

Matteo Morra

PhD Student • MD • MSc • Infectious Disease

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I am a Medical Doctor and Infectious Diseases specialist, currently a PhD student in Applied Life and Health Sciences. My research focuses on infectious disease epidemiology, antimicrobial stewardship, PK/PD of antibiotics and reproducible analytical methods.

Education

PhD in Applied Life and Health Sciences

University of Verona, Italy

Doctoral research focused on model-informed precision dosing of antibiotics, PK/PD integration, and reproducible analytical workflows.

Oct 2025 – present

Master in Principles and Practice of Systematic Reviews and Meta-Analysis

University of Padua, Italy

Advanced training in systematic reviews and meta-analysis applied to biomedical and clinical research.

Dec 2024 – Oct 2025

Specialization in Infectious Disease

University of Verona, Italy

Postgraduate medical training in infectious diseases. Final thesis: “Data-Driven Antimicrobial Stewardship: Integrating Susceptibility Reports with Local Guidelines”.

Jan 2021 – Feb 2025

II Level Master in Advanced Biostatistics for Clinical Research

University of Padua, Italy

Advanced biostatistical methods for clinical research, including regression modeling, causal inference, and adaptive trial designs.

Dec 2022 – Sep 2023

Postgraduate Course in Systematic Reviews and Meta-Analyses

University of Verona, Italy

Evidence synthesis methods to support evidence-based guidelines in the health sector.

Apr 2022 – Jun 2022

Medical Board Qualifying Exam

University of Ferrara, Italy

National medical board qualifying exam (score: 100%).

Oct 2019 – Feb 2020

MD in Medicine and Surgery

University of Ferrara, Italy

Medical degree with honors (110/110 cum laude). Thesis on PD-L1 expression in non-small cell lung cancer.

Sep 2013 – Oct 2019

Work Experience

Clinical Researcher

Verona, Italy

Clinical research in infectious diseases with a focus on epidemiological studies, data-driven antimicrobial stewardship, and reproducible analytical workflows.

Feb 2025 – present

Infectious Diseases Resident (Observership)

Herston, Australia

Observership focused on population pharmacokinetics, model-informed precision dosing, and implementation of MIPD tools in clinical practice.

May – Jun 2024

Infectious Diseases Resident

Verona, Italy

Postgraduate clinical training in infectious diseases, including inpatient care, consultation services, and participation in clinical research projects.

Jan 2021 – Feb 2025

Infectious Diseases Resident (Observership)

Rome, Italy

Short-term clinical training with emphasis on clinical microbiology, diagnostics, and management of infectious diseases.

Jun – Jul 2022

Medical Doctor — GP Substitutions

Vicenza, Italy

Primary care clinical activity as general practitioner substitute, providing outpatient medical care.

Mar – Dec 2020

Medical Doctor — USCA (COVID-19 Community Care)

Vicenza, Italy

Community-based medical care during the COVID-19 pandemic within the USCA network, supporting home-based patient management.

Mar – Dec 2020

Research Projects

ORCHESTRA

Contributor · European cohorts for SARS-CoV-2 research

European Union (Horizon
2020)

2020 – 2023

WHO Ancillary COVID-19 Health Systems Project

eCRF development, data curation, and analysis

World Health Organization

2020 – 2022

VERDI (GA 101045989)

WP7 collaborator · Preparedness for future outbreaks

European Union

2025

COMECT (GA 101136531)

WP3 collaborator · Coordination of cohorts and trials

European Union

2025 – present

Skills

Languages

Italian (native), English (excellent), French (very good)

Programming & Reporting

R, Quarto, Shiny, STATA

Statistical Methods

Regression models, propensity scores (PSM/IPTW), meta-analysis, adaptive and Bayesian designs

Clinical Research Tools

REDCap, Power BI, Excel, reproducible workflows