

Abstract Book 2025

35th Congress of the European
Society of Clinical Microbiology
and Infectious Diseases

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ESCMID Global 2025 Abstract Programme – Note from the Directors

This comprehensive collection of the abstracts presented at ESCMID Global 2025, held in Vienna from 11 to 15 April 2025, is a testament to the outstanding contributions of the ESCMID scientific community to the congress. The engagement from the global scientific community continues to grow, further enriching ESCMID Global as a hub for groundbreaking research.

This year, ESCMID Global saw 7,183 abstracts submitted during the regular call and 344 late-breaker abstracts, confirming the upward trend observed in 2024. Abstract submission rates by category have remained stable, with confirmed notable contributions in fields like bacterial susceptibility and resistance, and bacterial and viral infections (16%, 14.5% and 13% of total submissions, respectively). A new category in public health and vaccinology was introduced this year, receiving 4.3% of submissions. Overall, 126 countries contributed to the abstract submission; 49% of submissions came outside of Europe, including 15% from low- and middle-income countries.

Of the 7,527 submitted abstracts, 5,368 were presented during the congress and are collected in this book. Among them, 1,015 abstracts were selected for oral presentations across various sessions in halls and arenas, while 4,353 abstracts were designated as paper posters, contributing to an overall acceptance rate of 71%. The diversity and excellence of the research presented form the foundation of the congress' scientific exchange and educational value. The insights and breakthroughs shared at this year's congress are expected to drive future advancements, ultimately enhancing patient care and public health worldwide.

Once again, we extend our heartfelt thanks to all abstract submitters, whose invaluable contributions will significantly enrich the congress. A special appreciation goes to the more than 1,117 dedicated reviewers, who collectively generated a total of 36,381 reviews, ensuring a robust and high-quality review process, and to the ESCMID Global 2025 Programme Committee members, whose insight and dedication were instrumental in shaping an innovative, diverse and well curated programme.

Giulia De Angelis
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About ESCMID Global Abstract Book

We are pleased to present the abstract book for ESCMID Global 2025, held in Vienna, Austria, 11-15 April 2025. This book is a collection of over 5000 abstracts presented during the congress, whether delivered as oral presentations or uploaded to the ESCMID ePoster repository per congress guidelines. Abstracts are organised into 13 categories, representing the main research topics covered by the congress in addition to late breaking submissions. Poster abstracts are further organised by subcategories, providing a more granular subdivision of all topics.

Each abstract underwent a peer-review process, and was evaluated by at least three reviewers. Our esteemed panel of over 1,000 reviewers consisted of ESCMID Global faculty who participated in the congress as a speaker or chair in the last five years and who, with expertise and diligence, have ensured the high quality of the selected abstracts. The average number of reviews per abstract was 5. This year, the cut-off score for acceptance and inclusion in congress materials was 3.5 out of a maximum score of 6 points.

The abstracts included in this book remain unedited, with no alterations made to the text or figures, ensuring that the original contributions of the authors are preserved. Authors provided their consent to publish their abstracts during submission. The abstract submitters are solely responsible for the content presented, its quality and originality, and abstract authorship. ESCMID does not assume responsibility for any abstract content.

We extend our deepest gratitude to the contributors and reviewers for their invaluable efforts, not only enriching this abstract book but also being the cornerstone of this congress' success. Your dedication and expertise have ensured that high-quality research is presented at ESCMID Global. We hope this abstract book serves as a valuable resource, and as a testament to your outstanding contributions.

Sincerely,
ESCMID Office

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Graph: *C. auris* growth in the anaesthesia intensive care unit within one year



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Measles outbreaks in wartime Ukraine: causes, impact, and mitigation strategies

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Background

The ongoing Russian aggression in Ukraine has significantly impacted public health by damaging medical infrastructure, disrupting logistics, and limiting healthcare access. Many internally displaced persons (IDPs) in western regions lost contact with their primary care providers, missing essential medical and preventive services, including vaccinations. By late 2024, Ukraine experienced a 6.6-fold rise in measles cases, with most reported in Chernivtsi Oblast (CO) and Zakarpattia Oblast (ZO). Aim. To analyze measles outbreaks in western Ukraine during wartime and propose mitigation strategies.

Methods

Epidemiological analysis of measles cases in CO and ZO for 2024–early 2025 and vaccination coverage based on data from the Ministry of Health of Ukraine and regional Centers for Disease Control.

Results

CO, bordering Romania, where 12,040 cases were reported in 2024 (631.9 per million population) [1], saw measles cases rise in late 2024, reaching 97. From January 1 to February 10, 2025, 146 new cases were recorded (127 children, 19 adults), with one death (10-year-old girl). Low vaccination rates contributed to the outbreak: in 2024, only 83% of one-year-olds and 78% of six-year-olds were vaccinated instead of the required 95%.

ZO reported 219 cases in 2024 (compared to 3 in 2023), accounting for nearly half of Ukraine's 433 cases. The region saw 10 outbreaks, six within Roma communities. As of early 2025, one outbreak persists. Low vaccination rates - 85% for infants and 80.8% for six-year-olds - were the primary cause. Mobile vaccination units conducted 14 sessions in Roma settlements in January 2025. Family doctors were urged to vaccinate at-risk infants.

Conclusions

Western Ukraine has regions with high numbers of unvaccinated children, enabling measles transmission across borders. Low vaccination coverage is the primary cause of high incidence and is linked to misinformation, healthcare access barriers, and distrust in medical services. Given measles' high contagion, densely populated communities face rapid disease spread.

Outbreak control requires urgent vaccination efforts, mobile units, and international cooperation. Addressing vaccine-preventable outbreaks demands collaboration among health authorities, medical professionals, and communities. Strengthened EU-Ukraine public health cooperation is essential.

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