

Ms. Maria Abraham, Global Executive - Center of Excellence & Associate Director – Biostatistics, EMMES

Maria Abraham is an accomplished biostatistician with over 13 years of experience in clinical trials and biostatistical research, currently serving as the Global Executive – Centre of Excellence (CoE) and Associate Director – Biostatistics at Emmes Company, Bengaluru, India. She has made significant contributions to the field of biostatistics, playing key roles in the design, execution, and oversight of early- to late-phase clinical trials across diverse therapeutic areas.

Maria earned her BTech in Biotechnology from Vellore Institute of Technology, India, in 2009. Her passion for statistical sciences led her to pursue a ScM in Biostatistics from the prestigious Johns Hopkins Bloomberg School of Public Health, USA, which she completed in 2011. This robust academic foundation laid the groundwork for her career in clinical research and data science.

Maria began her professional journey at Statistics Collaborative, Inc. in Washington, DC, where she worked as Biostatistician I and II from 2011 to 2014. During this time, she was instrumental in supporting the design and analysis of clinical trials, developing her expertise in regulatory submissions and statistical programming. In 2014, she joined Emmes Company in India, where she has steadily risen through the ranks, taking on roles including Biostatistician II, Manager, and Senior Manager before her current executive leadership position.

At Emmes, Maria leads the Centre of Excellence for vaccine trials in India, providing strategic direction, oversight, and leadership across multiple projects. Her work involves coordinating multidisciplinary teams, ensuring methodological rigor in trial design and data analysis, and engaging in business development to expand the organization's research footprint. She also serves as Co-Principal Investigator for the National Eye Institute's (NEI, NIH, USA) intramural program, overseeing more than 40 research protocols.

Her statistical leadership extends to serving as the Principal Investigator for multiple Phase I and II studies in the UK and acting as a DSMC Statistician for a Phase II trial on a nebulized surfactant therapy for severe COVID-19. She has also been an independent statistician reporting to Data and Safety Monitoring Boards and the lead biostatistician for several clinical trials, including those focusing on ophthalmology, hepatology, and hematology.

Maria's scholarly contributions include numerous peer-reviewed publications in high-impact journals such as *JAMA Ophthalmology*, *Nature Bone Marrow Transplantation*, and *Hepatology*. She has also presented her research at major scientific conferences, including ARVO, the Society for Clinical Trials, and the IASCT Conference.

In recognition of her leadership and excellence, Maria has received multiple awards, including the President's Leadership Award (2021), Morale and Collaboration Award (2019), and a Spot Award (2016). Her professional affiliations include membership in the American Statistical

Association and the Society for Clinical Trials.

With a career distinguished by technical expertise, visionary leadership, and a strong commitment to advancing clinical research, Maria Abraham continues to drive impact in global health through statistical science.