وزارة الصحـــة العامـــة
Ministry of Public Health
State of Qatar - دولـة قطـر

جامعة قطر
QATAR UNIVERSITY
القطاع الصحي
HEALTH SECTOR

Evidence Based Medicine Workshop on
Generalized Linear Models

Activity Code: AGI-03-P193

May 6th 2025, 3:30-7:00 PM

Venue: College of Medicine Building H12, Room 126, Qatar University

Target Audience: Physicians and Allied Healthcare Practitioners

Aim:

Generalized Linear Models (GLMs) offer a flexible framework for modeling relationships between a dependent variable and one or more independent predictors, accommodating outcomes that deviate from a normal distribution—such as binary responses (e.g., yes/no), counts (e.g., number of incidents), or proportions. This workshop is designed to equip clinical researchers with the skills to effectively apply and interpret GLMs, with a specific focus on logistic regression. Our primary goal is to enhance participants' understanding and practical expertise in using GLMs to address real-world challenges in clinical research and practice.

This workshop is hosted by the Department of Population Medicine at Qatar University by clinicians who are also epidemiologists and bridges the gap between clinical epidemiology and clinical practice.

Speakers are from Department of Population Medicine, College of Medicine, QU Health, Qatar University:

- Dr. Salma M. Khaled, PhD
- Dr Muhammad Naseem Khan. MBBS, MSPH, PhD

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Activity schedule:

Time and Speakers	Schedule and Learning outcomes
May 6th 2025 03:30-05:00 Dr. Salma M. Khaled	• Distinguish between commonly used Generalized Linear Models (GLMs) and their applications to various outcome measures in clinical research. • Explore the theoretical foundations of Generalized Linear Models (GLMs)
05:00-05:30	Coffee Break
05:30-07:00 Dr. Muhammad Naseem Khan	• Perform and interpret results of common GLMs used for binary effect measures in clinical research including the selection of appropriate predictor variables and the evaluation of model fit.

* The scientific planning committee has reviewed all disclosed financial relationships of speakers, moderators, facilitators and/or authors in advance of this CPD activity and has implemented procedures to manage any potential or real conflicts of interest.

* "This activity is an Accredited group learning activity (Category 1) as defined by Ministry of Public Health's Department of Healthcare Professions - Accreditation Section and is approved for a maximum number of 3 Hours."

* "CPD-HP (QU—Health) is accredited by Ministry of Public Health's Department of Healthcare Professions - Accreditation Section (DHP – AS) as a provider of continuing professional development."