Turki Bin Hammad

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EDUCATION

MSc in Epidemiology 09/2021-09/2022
London School of Hygiene and Tropical Medicine (LSHTM), United Kingdom

- **GPA:** 4.64/5; Distinction; Adrian Root Prize

- **Master's thesis:** Effectiveness and safety of apixaban (compared to warfarin) in atrial fibrillation by BMI: a non-interventional study using the UK's Clinical Practice Research Datalink (CPRD); **Supervisor:** Dr. Kevin Wing

B.Sc. in Pharmaceutical Sciences (B. Pharm.) 09/2012-05/2017
College of Pharmacy, King Saud University (KSU), Saudi Arabia

- **GPA:** 4.64/5; Excellent grade with a second class of honors and at the top of my class (56 students) based on GPA

PROFESSIONAL CERTIFICATES

Professional Certificate in Data Science (ongoing)
HarvardX

- Completed modules: R Basics, Visualization, Probability, Inference and Modeling, Productivity Tools.

- In progress: Wrangling, Linear Regression, Machine Learning, Capstone

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EXPERIENCE

Efficacy and safety department, **Benefit-risk evaluation executive directorate**
Saudi Food and Drug Authority (SFDA)

Methodology and biostatistics team lead 04/2023-Present

- Lead a team of 3 reviewers to evaluate the methodology, statistical analysis plan, and protocols of the submitted trials/observational studies (i.e. real-world evidence) pertaining to medicinal products and vaccines seeking approvals in Saudi Arabia to assess the overall benefit/risk balance

- Re-analyze individual-level data of submitted studies to ensure the robustness of the results

- Contribute to employees' educational development on statistical topics

Scientific reviewer   10/2017-08/2020 & 10/2022-04/2023

- Reviewing the clinical, methodological, and statistical parts of clinical development programs (Phase I-III studies) for medicinal products and vaccines seeking approvals in Saudi Arabia to assess the overall benefit/risk balance

- This includes reviewing study protocol, statistical analysis plan, results, and re-analysis of the individual-level data to craft a scientific report on the efficacy and safety of the product

Vaccines team lead   08/2020-08/2021

- Leading a team of 4 reviewers assessing the efficacy and safety of vaccines

- My responsibility included providing scientific support to team members, reviewing reports drafted by team members, maintaining good review practice within the team, and ensuring the reviews are completed within the regulatory timelines

National Center for Evidence-Based Health Practice
Saudi Health Council

Consultant   09/2020-05/2021

- Member of the scientific committee that is responsible for setting nationwide guidelines, promoting scientific research, and building national capacities focusing on evidence-based health practices

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PUBLICATIONS

Manuscripts in preparation:

i. **Turki M Bin Hammad**, *Emma Powell, Kevin Wing. Moderation of the comparative effectiveness and safety of apixaban and warfarin by obesity in non-valvular atrial fibrillation: emulating a target trial using electronic health records (Working title and author order)*

ii. *Emma Powell, Usha Gungabissoon, John Tazare, Liam Smeeth, Paris Baptiste,* **Turki M Bin Hammad**, *Angel YS Wong, Ian J Douglas, Kevin Wing. Comparative treatment effects of oral anticoagulants for stroke prevention in AF: analysis of routinely collected data with validation against results from a randomised controlled trial (Working title and author order)*

Projects

i. Real-world data and real-world evidence to support regulatory decision-making on establishing the effectiveness of medicinal products, SFDA (Lead person)

ii. Collaborating with universities and research centers to support innovations in the research and development of medicinal products and vaccines, SFDA (Strategic project manager)

SHORT COURSES

12-16/08/2019	**Statistics and Regressions with R: An Introduction**
	Center for Applied Statistics Courses (CASC), University College London, London, United Kingdom
6–10/08/2018	**Principles of Research in Medicine and Epidemiology**
	Erasmus Summer Program, Erasmus University Medical Center Rotterdam, the Netherlands
6–10/08/2018	**Pharmaco-epidemiology**
	Erasmus Summer Program, Erasmus University Medical Center Rotterdam, the Netherlands

HONORS AND AWARDS

2022	The Adrian Root Prize for the best Electronic Health Records (EHR) project on the MSc Epidemiology program at LSHTM, as selected by the board of examiners
2021	Distinguished employee at the Saudi FDA
2020 & 2021	Exceptional annual performance at the Saudi FDA
2016	College of Pharmacy Dean's award for academic achievements

ACTIVITIES

2023-present	Founder and organizer of the causal inference, epidemiological methods, and biostatistics group at the Saudi Food and Drug Authority
2022	Facilitator of a pentacell group of MSc Epidemiology students at LSHTM
2015-2017	Students' representative in the advisory council, College of Pharmacy, KSU
2015-2017	Founder and head of Mentorship Program, College of Pharmacy, KSU
2014-2017	Cohort Lead, College of Pharmacy, KSU

TECHNICAL SKILLS

- Data cleaning, wrangling, and analysis using R (IDEs: RStudio or VS Code), Python, and STATA
- Data version control using Git and GitHub
- LaTeX, Quarto, Microsoft Office, and Google Sheets

LANGUAGES

Arabic (Native); English: IELTS (Overall 7.5: Listening 8, Reading 8.5, Writing 7, Speaking 7)