



AHMED AZEEZ HASAN

Curriculum Vitae

PhD in Public Health - Epidemiology of Infectious Diseases

from University Sains Malaysia. Kota Bharu, Kelantan, Malaysia.

Lecturer at Higher Health Institute of Wasit, Iraq

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PROFILE SUMMARY

Public health professional with a Ph.D. in Community Medicine and Public Health specialising in the epidemiology of infectious diseases and infectious disease modelling. Brings over 5 years of academic research experience in epidemiology, biostatistics, and instrument development, and more than 10 years of applied experience in community health programs and health-worker training in Iraq. Author of 8 peer-reviewed publications and 4 international conferences during the PhD period, with expertise in structural equation modelling, exploratory and confirmatory factor analysis, and Item Response Theory applied to infectious disease surveillance. Certified WHO e-instructor with Training of Trainers (ToT) qualification.

EDUCATION AND SKILLS

Degrees

- 2021-2025** **Ph.D. in Community Medicine and Public Health**, Universiti Sains Malaysia.
- Specialisation: Epidemiology of Infectious Diseases
 - Advanced quantitative methods: EFA, CFA, IRT, SEM, path analysis
 - Authored 7 peer-reviewed papers during the PhD period
- 2015-2018** **Master's Degree in Community Health**, Middle Technical University, Baghdad, Iraq.
College of Health and Medical Techniques
- 2006-2010** **Bachelor's Degree in Community Health**, Middle Technical University, Baghdad, Iraq.
College of Health and Medical Techniques

Other Skills

- Research** Epidemiological study design, infectious disease modelling, instrument development, adaptation and validation, public health surveillance
- Statistics** Structural Equation Modelling (SEM), path analysis, CFA/EFA, Item Response Theory (IRT), basic and intermediate statistical analyses
- Software** R, MPlus, JAMOV, JASP, SPSS
- Training** Health-worker Training of Trainers (ToT) certified; WHO certified e-instructor

RESEARCH EXPERIENCE

2021-2025 PhD Researcher. Universiti Sains Malaysia.

- Designed and conducted a cross-sectional epidemiological study on community-based infectious disease surveillance in Malaysia
- Developed, adapted, and validated questionnaire instruments for community leaders and representatives
- Applied advanced statistical and psychometric methods: EFA, CFA, IRT, SEM, and path analysis
- Software used: R, Mplus, JAMOV, JASP
- Produced 7 publications in international peer-reviewed journals during the PhD period

PROFESSIONAL EXPERIENCE

2025-present Lecturer. Higher Health Institute of Wasit, Iraq.

- Teach undergraduate students in emergency health, public health, and epidemiology
- Deliver lectures on infectious disease surveillance and research methods
- Supervise student research and provide academic mentoring
- Contribute to curriculum development and academic activities

2018-2021 Community Health Specialist. Public Health Department of Wasit, Iraq. *Maternal and Child Health Division*

- Conducted training for health workers and doctors on Antenatal Care (ANC)
- Conducted training on Integrated Management of Neonatal and Child Health (IMNCH)
- Conducted training on Emergency Obstetric and Neonatal Care (EmONC)

2010-2015 Public Health Officer. Public Health Department of Wasit, Iraq.

- Communicable Diseases and Health Visitor Units (2011–2013)
- Medical Unit and Pharmacy Unit at Wasit health centre (2013–2014)
- Antenatal and Postnatal Care Unit (2014–2015)

PUBLICATIONS DURING THE PHD PERIOD

Published Articles

- 2025** Hasan, A. A., Ghazali, A. K., Bachok, N., Yaacob, N. M., Hairon, S. M., Nadir, N. A. M., & Shukri, F. M. Modeling the determinants of community engagement in community-based surveillance of infectious diseases: Applying the Health Belief Model. *Journal of Public Health Research*, 14, 1–10. *[Published]*
- 2025** Hasan, A. A., Ghazali, A. K., Bachok, N., Yaacob, N. M., Hairon, S. M., Nadir, N. A. M., & Shukri, F. A confirmatory analysis of the knowledge, attitudes, and perceptions questionnaire for community-based surveillance of infectious diseases: A cross-sectional study in Malaysia. *Osong Public Health and Research Perspectives*, 16, 229–241. *[Published]*

- 2025** Hasan, A. A., Ghazali, A. K., Bachok, N., Yaacob, N. M., Hairon, S. M., Nadir, N. A. M., & Shukri, F. M. Community participation in community-based surveillance of infectious diseases: A structural equation modeling approach based on the theory of reasoned action. *International Journal of One Health*, 11(1), 178–185. *[Published]*
- 2025** Hasan, A. A., Bachok, N., Yaacob, N. M., Hairon, S. M., Nadir, N. A. M., & Ghazali, A. K. Assessing community leaders' knowledge, attitudes, and perceptions on community-based surveillance of infectious diseases: Development and validation of a questionnaire. *Medical Journal of Babylon*, 22, 156–163. *[Published]*
- 2026** Hasan, A. A., Ghazali, A. K., Bachok, N., Yaacob, N. M., Hairon, S. M., & Nadira, A. Role of self-efficacy in mediating the effect between perceived barriers and benefits and intention to be involved in community-based surveillance of infectious diseases. In *Building inclusive sustainability: Pathways to policy, community development & environmental innovation* (pp. 61–70). Universiti Pendidikan Sultan Idris. *[Book Chapter] [Published]*
- 2026** Hasan, A. A., Ghazali, A. K., Bachok, N. A., Yaacob, N. M., Hairon, S. M., Nadir, N. A. M., & Shukri, F. M. Modeling social and behavioral factors associated with community participation in community-based surveillance of communicable diseases: a cross-sectional study in Kelantan, Malaysia. *Osong Public Health and Research Perspectives*. *[Published]*

Under Review

- Hasan, A. A., Bachok, N., Yaacob, N. M., Hairon, S. M., Nadir, N. A. M., & Ghazali, A. K. Development and validation of a knowledge, attitudes, and perceptions questionnaire for community-based surveillance of infectious diseases among Malaysian community representatives. *BMC Public Health*. *[Under Review]*
- Hasan, A. A., Ghazali, A. K., Alkinani, A. A., & Jumaa, R. M. Understanding community engagement in infectious disease surveillance: A multi-theoretical predictive model. *IIUM Medical Journal Malaysia (IMJM)*. *[Accepted]*

Conferences

- Feb 2025** 14th IMT-GT UNINET Bioscience Conference 2025 — Oral Presenter.
- Jul 2025** 1st Kedah International Health Conference 2025 — Oral Presenter.
- Sep 2025** 4th International Conference on Medical and Health Sciences, in conjunction with the ASEAN Research Collaborative Fund Symposium and the 25th National Conference on Medical and Health Sciences — Poster Presenter.
- Sep 2025** Social Science Postgraduate International Seminar (SSPIS), Universiti Sains Malaysia — Oral Presenter.

Ongoing Works

- Spatiotemporal Dynamics of Four Zoonotic Public Health Threats in Wasit Governorate, Iraq, 2022–2025: A Bayesian Hierarchical and Negative Binomial Regression Analysis.

- Cross-Cultural Adaptation and Psychometric Validation of an Arabic Version of the Knowledge, Attitudes, and Practices (KAP) Questionnaire for Breast Cancer Screening.

ONLINE PROFILES

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REFERENCES

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