

# Muhammad Ahmed Alshyyab

## **Assistant Professor**

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## **EDUCATION:**

- **Doctor of Philosophy (PhD), Queensland University of Technology (QUT)**, Faculty of Health, School of Public Health and Social Work, Kelvin grove campus, Brisbane, Australia, 2016-2020.
    - Research Centre: Public Health
    - Field of Education: Public and Health Care Administration
    - Field of Research (FOR): 160205 – Health Care Administration
    - Socioeconomic Objective (SEO Code): 920204 – Evaluation of Health Outcomes
    - Commencement Date: 20/06/2016
    - Completion Date: 03/03/2020
    - **Thesis title:** “*Exploring Safety Culture in Emergency Department (ED) in Australia: A Mixed Method Study.*”
  - **Master Degree, Queensland University of Technology (QUT)**, Faculty of Health, School of Public Health and Social Work, Kelvin grove campus, Brisbane, Australia, 2014-2016.  
**Major:** Public Health, **Minor:** Epidemiology  
**Dissertation:** “*Vitamin D supplementation and calcium interventions for the prevention of osteoporosis in postmenopausal Jordanian women: A review of the evidence and knowledge translation*”.
  - **Bachelor degree, Aleppo university**, College of Dentistry, Aleppo, Syrian Arab Republic, Bachelor of Dental Surgery (BDS), 2001-2006.
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## WORK EXPERIENCE

### Assistant Professor

Department of Public Health and Community Medicine, Faculty of Medicine, Jordan University of Science and Technology, Irbid, Jordan. September 2020– present.

### Researcher

At the Emergency research group of the emergency Departments for both; The Prince Charles Hospital and Royal Brisbane and Women's Hospital. Brisbane, Australia, 2017/2019.

### Research Assistant

School of Public Health and Social Work, Faculty of Health, Queensland University of Technology, Brisbane, Australia, 2016/2020.

### General Dentist

Farah Dental Center, Al-Mafraq, Jordan, February 2007- July 2013

Provided dental treatment for patients including restorative, simple surgery, prosthodontics, periodontics, removable orthodontics, and preventive dentistry.

### Internship at the Jordanian Ministry of Health

June 2006-January 2007.

This included Emergency Room Intern, which involved managing dental trauma, suturing, observation of urgent and various emergency cases. Dental Hospital Intern, which involved rounding at all of the dental clinics of Princess Basma Hospital and performing minor oral surgeries, orthodontics treatment, periodontics, restorative, paedodontics, and endodontics. General Dentistry Intern at Al-Sareeh Comprehensive Health Center, Irbid, Jordan, which entailed various dental procedures for adults and children.

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## PUBLICATIONS

1. **Alshyyab, M. A.**, FitzGerald, G., Dingle, K., Ting, J., Bowman, P., Kinnear, F., & Borkoles, E. (2019). *Developing a conceptual framework for patient safety culture in emergency department: A review of the literature*. The International Journal of Health Planning and Management, 34 (1), 42-55. doi:10.1002/hpm.2640
2. **Alshyyab, Muhammad Ahmed Yassin** (2020) *Exploring Safety Culture in Emergency Department (ED) in Australia: A Mixed Method Study*. PhD thesis, Queensland University of Technology.
3. Malik, M. A., Akhtar, S. N., Albsoul, R. A., & **Alshyyab, M. A.** (2021). Conflict driven displacement and child health: Evidence based on mother's nationality from Jordan Population and Family Health Survey. PloS one, 16(9), e0257080.

4. **Alshyyab, M. A.**, FitzGerald, G., Albsoul, R. A., Ting, J., Kinnear, F. B., & Borkoles, E. (2021). Strategies and interventions for improving safety culture in Australian Emergency Departments: A modified Delphi study. *The International Journal of Health Planning and Management*.
5. Albsoul, R. A., FitzGerald, G., Hughes, J. A., & **Alshyyab, M. A.** (2021). Missed nursing care and complexity theory: a conceptual paper. *Journal of Research in Nursing*, 26(8), 809-823.
6. **Alshyyab, M. A.**, Albsoul, R. A., Kinnear, F. B., Saadeh, R. A., Alkhaldi, S. M., Borkoles, E., & Fitzgerald, G. (2022). Assessment of patient safety culture in two emergency departments in Australia: a cross sectional study. *The TQM Journal*.
7. **Alshyyab, M.A.**, Albsoul, R. and Fitzgerald, G. (2022), "Factors influencing patient safety culture in operating room in a teaching hospital in Jordan: a qualitative descriptive study", *The TQM Journal*, Vol. ahead-of-print No. ahead-ofprint. <https://doi.org/10.1108/TQM-04-2022-0133>
8. **Alshyyab, M. A.**, Borkoles, E., Albsoul, R. A., Kinnear, F. B., & FitzGerald, G. (2022). Safety culture in emergency medicine: An exploratory qualitative study. *International Journal of Risk & Safety in Medicine*, (Preprint), 1-19.
9. Albsoul, R. A., **Alshyyab, M. A.**, Hughes, J. A., Jones, L., & FitzGerald, G. (2022). Examining the reasons for missed nursing care from the viewpoints of nurses in public, private, and university hospitals in Jordan: A cross-sectional research. *Collegian*.
10. Albsoul, R., **Alshyyab, M. A.**, Al Odat, B. A., Al Dwekat, N. B., Al-masri, B. E., Alkubaisi, F. A., ... & Fitzgerald, G. (2022). Surgical team perceptions of the surgical safety checklist in a tertiary hospital in Jordan: a descriptive qualitative study. *The TQM Journal*, (ahead-of-print).
11. Albsoul, R. A., FitzGerald, G., & **Alshyyab, M. A.** (2022). Missed nursing care: a snapshot case study in a medical ward in Australia. *British Journal of Nursing*, 31(13), 710-716.
12. RA Albsoul, **MA Alshyyab**, JA Hughes, L Jones, G Fitzgerald. (2023). A Cross-sectional Study Evaluating the Association Between the Nursing Practice Environment and Missed Nursing Care in Medical and Surgical Wards in Jordan. *Journal of Nursing Care Quality* 38 (3), E34-E41,1.
13. R Ali Albsoul, G FitzGerald, JA Hughes, **MA Alshyyab**. (2023). Risk factors for in hospital patient falls: a retrospective analysis. *British Journal of Healthcare Management* 29 (7), 182-190.
14. RA Albsoul, RR Safadi, **MA Alshyyab**, G FitzGerald, JA Hughes, M Ahmad. (2023).

Missed Nursing Care in Medical and Surgical Wards in Jordan: A Cross-Sectional Study. *Policy, Politics, & Nursing Practice* 24 (2), 140-150.

15. A Fendi, SM Alkhalidi, A Othman, Z Al-Hamdan, **M Alshyyab**. (2023). Predictors of early initiation of breastfeeding among women in Jordan. *British Journal of Midwifery* 31 (4), 196-203.
16. RA Albsoul, **MA Alshyyab**, JA Hughes, L Jones, G FitzGerald. (2023). Examining the reasons for missed nursing care from the viewpoints of nurses in public, private, and university hospitals in Jordan: A cross-sectional research. *Collegian* 30 (1), 110-118.
17. **Alshyyab, M. A.**, FitzGerald, G., Ababneh, E. Y., Zghool, A. W., Albsoul, R. A. (2023). Nurses' perceptions regarding the impact of teamwork on patient safety culture in the operating room: A qualitative study, *Perioperative Care and Operating Room Management*, Volume 33, 2023, 100345,
18. **Alshyyab MA**, Ebbini MAL, Alslewi A, et al. (2024). Factors Influencing Medication Administration Errors as Perceived by Nurses in Pediatric Units in a Jordanian Tertiary Hospital: A Qualitative Descriptive Study. *Western Journal of Nursing Research*. 2024;0(0). doi:10.1177/01939459241227768.
19. Albsoul, R.A., **Alshyyab, M.A.**, Alomari, S., AlHammouri, H., Al-Abed, Z., Kofahi, Z., Atiyeh, R., Alsyooof, R., Jamrah, A., Alkandari, A., Borkoles, E., Alkhalidi, S. and Fitzgerald, G. (2024), "Baseline assessment and benchmarking of patient safety culture in Jordan: a cross-sectional study", *Journal of Health Organization and Management*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/JHOM-02-2024-0066>.
20. **Muhammad Alshyyab**, Yousef Alasheh, Erika Borkoles, Gerard Fitzgerald, Sireen Alkhalidi, Rania Albsoul; Baseline evaluation of patient safety culture in a Jordanian tertiary hospital during the COVID-19 pandemic: a cross-sectional study. *J Health Organ Manag* 2025; <https://doi.org/10.1108/JHOM-07-2024-0294>,
21. **Alshyyab MA**, Albsoul RA, FitzGerald G, Arabiat D. A Cross-Sectional Examination of Missed Infection Control Practices Among Nurses in the Jordanian Hospitals. *Workplace Health Saf.* 2025 Jul;73(7):363-376. doi: 10.1177/21650799241305795. Epub 2025 Jan 23. PMID: 39846406.
22. Albsoul RA, **Alshyyab MA**, Abdallah L, et al. Perceptions of healthcare workers about medical errors: A cross-sectional study in a tertiary hospital in Jordan. *International Journal of Risk & Safety in Medicine*. 2025;0(0). doi:10.1177/09246479251346181
23. **Alshyyab, M.A.**, Albsoul, R.A., FitzGerald, G., Hughes, J. and Arabiat, D. (2025), Missed Infection Control Practices Among Nurses in Medical and Surgical Wards in Jordan: A Cross-Sectional Study. *Research in Nursing & Health*. <https://doi.org/10.1002/nur.70023>

## Accepted

1. **Muhammad Alshyyab**, Yousef Alasheh, Rania Albsoul; A narrative literature review by Characteristics of the Safety Attitude Questionnaire Dimensions during the COVID-19'. 2023. Int. J. of Reliability and Safety.

## Conferences and Workshops

1. **Emergency Medicine Foundation research symposium at the TRI in the Prince Alexander Hospital**, Brisbane, Australia. Acute care research and transitional workshop at the TRI in the Princess Alexandra Hospital. 24-25<sup>th</sup> August, 2017.
2. **The Joanna Briggs Institute (JBI) Comprehensive Systematic Reviewing Training Program (CSRTP)**. Held on September 26-29/2016 at Queensland University of Technology. Brisbane, Australia.
3. **Introduction to Qualitative analysis using ANOVA**, Queensland University of Technology. Brisbane, Australia.
4. **Introduction to Statistics using SPSS**, Queensland University of Technology. Brisbane, Australia.
5. **Teaching Advantage Program, Building Academic Careers**, Queensland University of Technology, 6/2019
6. **The 6th International Conference on Ethics in Jordan and the MENA and IBROMENA International Conference on Neuroethics**. Held on August 05-06/2021, at Jordan University of Science and Technology-Jordan.
7. **The First National Vaccination Congress; "BRIDGING THE GAPS"**, Jordanian Ministry of Health. Held on DECEMBER from 03-04/2021, Amman, Jordan
8. **Training course entitled " Exams and Assessment "**, held from 23/06/2021 to 24/06/2021, at Jordan University of Science and Technology-Jordan.
9. **Training course entitled " Developing national capacities to develop e-learning in higher education institutions "**, held from 29/06/2021 to 30/06/2021 at Jordan University of Science and Technology-Jordan.
10. **'HEALTH RESEARCH WRITING MASTERCLASS -Creating a culture of evidence'** with DR XIMENA ALVIRA, Elsevier, 9/2021.
11. **Classroom Basics for New Teachers course** with MAGNA publication, 12/2020.

12. **Structuring a publishing paper (in English)** with Emerald publishing, 3/2021.
13. **Training course entitled " Basics of Distance Education "**, held from 10/02/2021 to 11/02/2021 at Jordan University of Science and Technology-Jordan.
14. **website creating and hosting on JUST server**, held from 13-02-2022 to 14-022022 at Jordan University of Science and Technology-Jordan.
15. **Designing Effective E-Learning**, held from 04-10-2021 to 06-10-2021 at Jordan University of Science and Technology-Jordan.
16. **Basics of Distance Education Promotion Purpose**, held from 10-02-2021 to 11-022021 at Jordan University of Science and Technology-Jordan.
17. **Strategies of Anger Management and Positive Teacher-student Interaction**, held from 15-03-2023 to 16-03-2023 at Jordan University of Science and Technology Jordan.
18. **Introduction to the eLearning system**, held from 20-02-2022 to 21-02-2022 at Jordan University of Science and Technology-Jordan.

## Previous and current grant funding

Projects	Funding award type	Award amount	Role (e.g., Principal investigator, co-Investigator)	Years of award
<b>National</b>	Research Faculty at Jordan University of Science and Technology	JOD 1595	PI	2023
	Research Faculty at Jordan University of Science and Technology	JOD 3100	PI	2022
	Research Faculty at Jordan University of Science and Technology	JOD 1450	PI	2022
	Research Faculty at Jordan University of Science and Technology	JOD 2225	PI	2022
<b>International</b>	2023 Global Alliance for Chronic Diseases	USD 959,374.19	CI	2022

## Supervision and mentoring

Academic Supervision and Thesis Committees (Master Students):

**Main Advisor:**

### **Graduated:**

1. **Yousef Sameer Alasheh** (MS in Public Health, Dec, 2022). Thesis title:” *Assessment of patient safety climate during the COVID-19 in a Jordanian tertiary hospital: Cross-sectional study.*”
2. **Baker Suleiman Almomani** (MS in Public Health, Feb. 2024). Thesis title:” *Exploring resident physicians' perceptions regarding burnout in a Jordanian: A mixed method study.*”
3. **Rahaf Samir Albalas** (MS in Public Health. Apr, 2024). Thesis title: ‘ *Barriers to infection control practices in the intensive care unit at a Jordanian tertiary hospital: a qualitative study.*”
4. **Razan Ibrahim Aldakhnosh** (MS in Public Health. Jun, 2024). Thesis title: “*The Lived Experience of Mother Physicians in Jordan: A descriptive phenomenological study.*”

### **Current:**

1. **Abdullah Mohammad Rawashdeh** (MS in Health Management and Policy). Thesis title: “*Attitudes and barriers to medical error reporting in Jordan. A survey of healthcare providers in Teaching Hospital.*”.

### **Co-advisor (associate supervisor)**

#### **Current:**

1. **Razan Ibrahim Aldakhnosh** (PhD in Public Health. 2025). Griffith University, faculty of medicine and dentistry. Thesis title: “*Exploring challenges and solutions for mother doctors: a mixed methods study.*”
2. **Tuqa Alshorman** (MS in Public Health/ healthcare management, 2024). The University of Jordan, Faculty of Health sciences, School of Medicine, Thesis title: “*Cross-sectional study to assess the association between motivation, job satisfaction and turnover Intention among healthcare workers at Jordan University Hospital.*”

### **Committee Member (Internal Examiner)**

1. **Muna Alebini** (MS in Public Health, 2023). Thesis title: “*Prevalence and associated factors of poor glycemic control among diabetic patients: results of a national cross-sectional study in Jordan.*”
2. **Asmaa AbdulHakim Al-Selwi**. (MS in Public Health, 2024). Thesis title: “*Association of ambient temperature with cardiovascular hospital admissions: A time series study in Jordan.*”

### **Committee Member (External Examiner)**

1. **Razan Ahmad Abujbar** (MS in Public Health/ healthcare management, 2024). The University of Jordan, Faculty of Health sciences, School of Medicine, Thesis title: “*Job satisfaction among healthcare providers: A cross-sectional study in a tertiary hospital in Jordan.*”
2. **Haneen Ayman Hasan Barakat** (MS in Public Health/ healthcare management, 2025). The University of Jordan, Faculty of Health sciences, School of Medicine, Thesis title: “*Community Pharmacists’ Role in the Management of Anemia: A Survey of Attitudes and Barriers in Jordan.*”

## RESEARCH PROPOSALS

### Ongoing

1. Attitudes and barriers to medical errors reporting in Jordan: A Survey of healthcare providers in Teaching Hospital.  
Research Faculty at Jordan University of Science and Technology.  
Role: PI.
2. Quality of Life for Patients with Multiple Sclerosis in Jordan: A cross- sectional study.  
Role:PI

### Closed

1. Exploring Factors Influencing Patient Safety Culture in Operating Room in Teaching Hospital in Jordan.  
Granted from the Research Faculty at Jordan University of Science and Technology (JOD 2225). Role: PI.
2. Nurses' Perceptions regarding the Impact of Teamwork on Patient Safety Culture in the Operating Room: A Qualitative Study.  
Role: PI.
3. Factors influencing medication safety practices in pediatric care units in Jordan: an exploratory qualitative study.  
Research Faculty at Jordan University of Science and Technology.  
Role: PI
4. Assessment of patient safety culture during the COVID-19 in a tertiary hospital in Jordan: A cross sectional study.  
Granted from the Research Faculty at Jordan University of Science and Technology. Role: PI.
5. Barriers to infection control practices in the intensive care unit at a Jordanian tertiary hospital: a qualitative study  
Research Faculty at Jordan University of Science and Technology.  
Role: PI.



6. The Lived Experience of Mother Physicians in Jordan: A descriptive phenomenological study.  
Research Faculty at Jordan University of Science and Technology.  
Role: PI.
7. A Cross-Sectional Examination of Missed Infection Control Practices among Nurses in the Jordanian Hospitals  
Research Faculty at Jordan University of Science and Technology.  
Role: PI.
8. Missed infection control practices among nurses in medical and surgical wards in Jordan: A cross-sectional study.  
Granted from the Research Faculty at Jordan University of Science and Technology.  
Role: PI

## REFERENCES

- **Professor Gerard Fitzgerald (Health Management Research)**  
Professor of Public Health  
Faculty of Health, School of Public Health and Social Work, Queensland University of Technology, Kelvin grove campus, Brisbane, Australia.  
Email: [gj.fitzgerald@qut.edu.au](mailto:gj.fitzgerald@qut.edu.au)
  - **DR Erika Borkoles (Health Management Research and implementation sciences)**  
Associate Professor of Public Health, Department of Public Health, School of Medicine, Public Health, Griffith University, Gold Coast Campus, Southport, Queensland, Australia,  
Email: [e.borkoles@griffith.edu.au](mailto:e.borkoles@griffith.edu.au)
  - **Dr James Hughes; RN, PhD**  
Senior Lecturer in the School of Nursing, Queensland University of Technology, Brisbane, Australia. Email: [j1.hughes@qut.edu.au](mailto:j1.hughes@qut.edu.au),
  - **Professor Philip Baker (Epidemiology)**  
Professor Faculty of Health, School - Public Health and Social Work, Queensland University of Technology. Brisbane, Australia. Email: [p2.baker@qut.edu.au](mailto:p2.baker@qut.edu.au)
- **REFERENCES (in Emergency Medicine Research)**
- **Dr Frances B Kinnear**  
Senior Emergency Specialist, The Prince Charles Hospital. Rode Road, Chermside 4032, Brisbane, Australia. Senior Lecturer, University of Queensland, Brisbane, Australia. Email: [kinnearf@yahoo.com](mailto:kinnearf@yahoo.com)

- **Dr Joseph Ting MBBS MSc (London) BMedSc, PGDipEpi, DipLSTHM, FACEM,** Senior Staff Specialist, Department of Emergency Medicine, Mater Health Services, Adjunct Associate Professor, School of Public Health and Social Work, QUT, Brisbane, Australia.  
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