

Ahmad Ali Alrawashdeh, PhD

Assistant professor, Emergency Public Health, Data Analyst
Faculty of Applied medical Sciences, Jordan University of Science and Technology
Irbid, Jordan, +962 79 986 4033
aaalrawashdeh@just.edu.jo, ahm.rawashdeh@gmail.com, [Google Scholar](#), [Research Gate](#)

SUMMARY OF SKILLS

An Assistant Professor in Cardiopulmonary Emergencies at Jordan University of Science and Technology (JUST). Demonstrated exceptional academic, research, data management and analysis, and professional achievements in his career. Extensive academic experience includes teaching graduate and undergraduate courses, supervising multiple master's and doctoral students, and coordinating curriculum development for cardiopulmonary and emergency health programs.

Research portfolio encompasses over 50 peer-reviewed publications in prestigious international journals, focusing on cardiopulmonary emergencies, emergency medical systems, epidemiology, and public health interventions. Notably, contributed to significant national and international projects evaluating public health responses, particularly during the COVID-19 pandemic, collaborating closely with entities such as MOH, DAAD, and WHO.

Professional expertise includes advanced statistical analyses, big-data analytics, and machine-learning applications, enhancing the quality and impact of his research. Actively engaged in national committees addressing healthcare accreditation, regulatory standards, and quality assurance. Dr. Alrawashdeh significantly contributes to policy-making and healthcare system improvements. His consistent academic excellence, research productivity, and impactful community engagement support his strong candidacy for promotion.

CORE COMPETENCIES

- Research Design & Methodology
 - Advanced Data management, Analytics & Machine Learning
 - Public-Health Surveillance & EHR Informatics
 - Cardiopulmonary Emergency & Critical Care
 - Teaching, Mentorship & Curriculum Development.
 - Technical & Software Proficiency
 - Project & Program Management
 - Bilingual Scientific Communication
-

EDUCATION

- **PhD in Community Emergency Health and Paramedic practice.** July 2016 – November 2020
Monash University, Melbourne, VIC, Australia
Concentration: Epidemiology and management of Acute myocardial infarction in the prehospital setting.
 - **MSc. in Emergency Health Services.** 2009 – 2011
Department of EHS at University of Maryland, Baltimore County (UMBC). Baltimore, MD, USA
Concentration: Emergency and Disaster Health Management
 - **BSc. in Nursing.** 2004-2008
Faculty of Nursing, Jordan University of Science and Technology (JUST), Irbid, Jordan.
-

EMPLOYEMENT & COMPETENCIES

Employment positions

- **Assistant Professor** - October 2020 - present
Department of Allied Medical Sciences/ Respiratory care and Paramedic program
Jordan University of Science and Technology (JUST), Irbid, Jordan
- **Epidemiologist Activity Manager** -November 2020 - October 2021
Doctors Without Borders (MSF-OCA), Irbid Syrian refugees- PHC-NCD project
- **Part-time Research Associate** – May 2018- February 2020
Department of electronic health record and data analysis, Ambulance Victoria, Melbourne, VIC
- **Full-time Paramedic Lecturer.** Feb.2013 – May. 2016
Paramedic program at Jordan University of Science and Technology, Irbid, Jordan
- **Registered Nurse/ Clinical Performance Coordinator.** January 2010 – December 2012
Benchmark Health Corp. Chicago, IL
- **Staff Nurse, Intensive Care Unit.** 2008 – 2009
King Hussein Cancer Center, Amman, Jordan

License and certificate

- Registered Nurse License from the USA (California) and Jordan.
 - Paramedic Specialist license from Jordan Ministry of Health
 - Emergency Medical Technician-Basic (EMT-B) Certificate (Chicago, Illinois)
 - Disaster management certificate
-

ACADEMIC EXPERIENCE

Teaching and supervision

- **Teaching experience/Classes at JUST**
 - Advanced Management of Cardiopulmonary Emergencies.
 - Research design and biostatistics.
 - Ethics in Applied Medical Sciences.
 - Advanced Management of Medical Emergencies.

- Respiratory Care Techniques.
 - Advanced management of infectious and toxicology emergencies.
 - **Graduate student supervision**
 - Nine Master students: six students as a primary supervisor and three students as co-supervisor (JUST).
 - One PhD student (Quality indicators for respiratory distress in emergency care, University Sains Malaysia, External supervisor).
 - **Administrations**
 - **Respiratory therapy Program coordinator**, Department of Allied Medical sciences, Faculty of Applied Medical Sciences, Jordan University Science and Technology.
-

TECHNICAL EXPERIENCE

Consultation

| | | |
|--------------------|--|---------------------------------------|
| <u>2023</u> | <u>Senior Data Analyst of Infectious Diseases (COVID-19)</u> | <u>Abt. Associates, Jordan</u> |
| | Evaluated Jordan's response to COVID-19 using Jordan's COVID-19 call center data and surveillance systems for 3 million records. Identified gaps associated with contact tracing, active surveillance activities, migrants' access to free MOH services and suggested surveillance activities to be considered during public health emergencies. | |
| <u>2023</u> | <u>Data Analyst, COVID-19 Vaccine effectiveness</u> | <u>MOH, WHO, Jordan</u> |
| | Evaluate the effectiveness of vaccination among hospitalized COVID-19 patients. Identified the effectiveness of different vaccine product to different demographics population of three years of mass vaccination. | |
| <u>2024</u> | <u>Data Analyst for Global COVID-19 Platform Data</u> | <u>MOH, WHO, Jordan</u> |
| | Conducted advanced statistical analysis of hospitalized COVID-10 patients and evaluate the impact of different patients and clinical factors on mortality, intensive care admission, and other clinical complications using R statistical package. | |

National committees

- Accreditation and Quality Assurance Commission for Higher Education Institutions, Accreditation committee member for respiratory care programs, Member
- Jordan Food and Drug Administration (JFDA), Committee of laboratory Issues for Medical Devices, Member

Academic committees

- Representative of the Department of Allied Medical Sciences at the College Council.
- Faculty Scientific Research Committee, Member
- Faculty Scientific, Conferences, and Academic Events Committee, Member

- Faculty Journal Club Committee, Member
 - Faculty Laboratories, Training, and Practical Courses Follow-up Committee, Member
 - Faculty Procurement, Supplies, and Maintenance Committee, Member
 - Faculty Community Service Committee, Member
 - Department Procurement, Supplies, and Maintenance Committee, Chairperson
 - Department Scientific Research Committee, Member
 - Department Curriculum Committee, Member
 - Department Media Committee, Member
 - Department Public Safety Committee, Member
 - Department Quality Assurance Committee, Member
 - Department Community Service Committee, Chairperson
 - Department Student Affairs Committee, Chairperson
 - Department Course Accreditation and Equivalency Committee, Member
-

RESEARCH PROFILE

Publication

1. **Alrawashdeh, A.**, Nehme, Z., Williams, B., Stub, D. Emergency medical service delays in ST-elevation myocardial infarction: a meta-analysis. *Heart*. 2020; 106:365-373. <https://doi.org/10.1136/heartjnl-2019-315034>
2. **Alrawashdeh, A.**, Nehme, Z., Williams, B., Stub, D. Review article: Impact of 12-lead electrocardiography system of care on emergency medical service delays in ST-elevation myocardial infarction: A systematic review and meta-analysis. *Emergency Medicine Australasia*. 2019; Oct 31(5):702-709. <https://doi.org/10.1111/1742-6723.13321>
3. **Alrawashdeh, A.**, Nehme, Z., Williams, B., Smith, K., Stephenson, M., Bernard, S., ... & Stub, D. (2020). Factors associated with emergency medical service delays in suspected ST-elevation myocardial infarction in Victoria, Australia: a retrospective study. *Emergency Medicine Australasia*, 32(5), 777-785. <https://doi.org/10.1111/1742-6723.13512>
4. **Alrawashdeh, A.**, Nehme, Z., Williams, B., Smith, K., Stephenson, M., Bernard, S., ... & Stub, D. (2021). Factors influencing patient decision delay in activation of emergency medical services for suspected ST-elevation myocardial infarction. *European Journal of Cardiovascular Nursing*, 20(3), 243-251. <https://doi.org/10.1177/1474515120953737>
5. Alqudah, Z., Nehme, Z., **Alrawashdeh, A.**, Williams, B., Oteir, A., Smith, K. Paediatric traumatic out-of-hospital cardiac arrest: A systematic review and meta-analysis. *Resuscitation*. 2020; 149: 65-73. <https://doi.org/10.1016/j.resuscitation.2020.01.037>
6. **Alrawashdeh, A.**, Nehme, Z., Williams, B., Smith, K., Brennan, A., Dinh, D. T., ... & Stub, D. (2021). Impact of emergency medical service delays on time to reperfusion and mortality in STEMI. *Open Heart*, 8(1), e001654. <https://doi.org/10.1136/openhrt-2021-001654>
7. Mahmoud T Alwidyan, Alaa O Oteir, **Ahmad Alrawashdeh**, et al. Road user perceptions of appropriateness of ambulance lights and sirens use in developing countries. *International emergency nursing*. (2022), 62, 101157. <https://doi.org/10.1016/j.ienj.2022.101157>
8. Carrion-Martin, A. I., **Alrawashdeh, A.**, Karapanagos, G., Mahmoud, R., Ta'anii, N., Hawari, M., ... & Reddy, A. (2023). Socioeconomic and medical vulnerabilities among Syrian refugees with non-communicable diseases attending Médecins Sans Frontières services in Irbid, Jordan. *Journal of Immigrant and Minority Health*, 25(2), 331-338. <https://doi.org/10.1007/s10903-022-01408-7>

9. Nawafleh, S., **Alrawashdeh, A.**, Ababneh, O. et al. Perception and practices of depth of anesthesia monitoring and intraoperative awareness event rate among Jordanian anesthesiologists: a cross-sectional study. *BMC Anesthesiol* 22, 402 (2022). <https://doi.org/10.1186/s12871-022-01941-w>
10. Ibdah, R, **Alrawashdeh, A.**, Rawashdeh, S, Melhem, N Y., Hammoudeh, A., Jarrah, M I., Statin Eligibility according to 2013 ACC/AHA and USPSTF Guidelines among Jordanian Patients with Acute Myocardial Infarction: The Impact of Gender, *Cardiovascular Therapeutics*, 2023, 5561518. <https://doi.org/10.1155/2023/5561518>
11. Alwidyan, M. T., Alkhatib, Z. I., **Alrawashdeh, A.**, Oteir, A. O., Khasawneh, E. A., Alqudah, Z., Albataineh, S. A., & Abukheat, Y. (2023). Knowledge and willingness of schoolteachers in Jordan to perform CPR: a cross-sectional study. *BMJ open*, 13(8), e073080. <https://doi.org/10.1136/bmjopen-2023-073080>
12. Alzoubi A, Al Bashir S, Smairat A, **Alrawashdeh A**, Haddad H, Kheirallah K. PTEN loss is not a determinant of time to castration-resistance following androgen-deprivation therapy in prostate cancer: a study from Jordan. *Journal of medicine and life*. 2023 Apr;16(4):593-598. doi: 10.25122/jml-2023-0034. PMID: 37305830; PMCID: <https://doi.org/10.25122/jml-2023-0034>
13. Kheirallah, K. A., **Alrawashdeh, A.**, Alsaleh, A., Megdadi, M., Obeidat, S., Elfauri, K. A., Al-Mistarehi, A. H., & Elbarazi, I. (2023). Domestic violence against women in Jordan: analysis of the demographic and health survey dataset 2017-2018. *Journal of medicine and life*, 16(8), 1264–1273. <https://doi.org/10.25122/jml-2023-0111>
14. **Alrawashdeh, A.**, Al-Dekah, A. M., & Kheirallah, K. A. (2023). Bibliometric Analysis and Predictors of Citations for Publications of a Higher Institution. *International Journal*, 10(3), 3469-3489. <https://doi.org/10.15379/ijmst.v10i3.3387>
15. Alalwan, M. A., Alshammari, T., Alawjan, H., Alkhayat, H., Alsaleh, A., Alamri, I., ... & Alqahtani, S. (2023). Electrocardiographic interpretation by emergency medical services professionals in Saudi Arabia: A cross sectional study. *Plos one*, 18(10), e0292868. <https://doi.org/10.1371/journal.pone.0292868>
16. Rashaideh, A., Al-Nusair, M., **Alrawashdeh, A. A.**, Rababah, T., Khassawneh, A., Akkam, Y., ... & Kheirallah, K. A. (2023). Factors contributing to the comprehensive use of food labels in Jordan. *Nutrients*, 15(23), 4893. <https://doi.org/10.3390/nu15234893>
17. Brauer, Michael et al., **Global burden and strength of evidence for 88 risk factors in 204 countries** and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021, *The Lancet*, Volume 403, Issue 10440, 2162 – 2203. [https://doi.org/10.1016/S0140-6736\(24\)00933-4](https://doi.org/10.1016/S0140-6736(24)00933-4)
18. Vollset, Stein Emil et al., **Burden of disease scenarios for 204 countries and territories**, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021, *The Lancet*, (2024), Volume 403, Issue 10440, 2204 – 2256. [https://doi.org/10.1016/S0140-6736\(24\)00685-8](https://doi.org/10.1016/S0140-6736(24)00685-8)
19. Nazzal, M. S., Oteir, A. O., **Alrawashdeh, A.**, Alwidyan, M. T., Obiedat, Q., Almhdawi, K. A., ... & Williams, B. (2024). Prevalence of work-related musculoskeletal disorders and associated factors affecting emergency medical services professionals in Jordan: a cross-sectional study. *BMJ open*, 14(4), e078601. <https://doi.org/10.1136/bmjopen-2023-078601>
20. Alzoubi, A., Shirazi, H., **Alrawashdeh, A.**, Al-Dekah, A. M., Ibraheem, N., & Kheirallah, K. A. (2024). The Status Quo of Pharmacogenomics of Tyrosine Kinase Inhibitors in Precision Oncology: A Bibliometric Analysis of the Literature. *Pharmaceutics*, 16(2), 167. <https://doi.org/10.3390/pharmaceutics16020167>
21. Alkhazali, I. E., **Alrawashdeh, A.**, Fauzi, M. H., & Ab Rahman, N. H. N. (2024). Quality Indicators of Pediatric Asthma Care in the Emergency Department; a Systematic Review and Meta-Analysis. *Archives of Academic Emergency Medicine*, 12(1), e26. <https://doi.org/10.22037/aaem.v12i1.2214>

22. **Alrawashdeh A**, Alqahtani S, Alkhatib ZI, et al. Applications and Performance of Machine Learning Algorithms in Emergency Medical Services: A Scoping Review. *Prehospital and Disaster Medicine*. 2024;39(5):368-378. <https://doi.org/10.1017/S1049023X24000414>
23. Albadayneh, Bilal Attallah, **Ahmad Alrawashdeh**, Naser Obeidat, Arwa M. Al-Dekah, Ahmad Waleed Zghool, and Mostafa Abdelrahman. "Medical magnetic resonance imaging publications in Arab countries: A 25-year bibliometric analysis." *Heliyon*, 10 (7), e28512. <https://doi.org/10.1016/j.heliyon.2024.e28512>
24. Runge, M.; Karimian, Z.; Kheirandish, M.; Borghi, G.; Wodniak, N.; Fahmy, K.; Mantel, C.; Cherian, T.; Nabil Ahmed Said, Z.; Najafi, F.; et al. COVID-19 Vaccine Effectiveness Studies against Symptomatic and Severe Outcomes during the Omicron Period in Four Countries in the Eastern Mediterranean Region. *Vaccines* 2024, 12, 906. <https://doi.org/10.3390/vaccines12080906>
25. Alkhazali, I. E., **Alrawashdeh, A.**, Fauzi, M. H., & Ab Rahman, N. H. N. (2024). Quality Indicators for Pediatric Bronchiolitis and Croup Care in the Emergency Department; a Systematic Review and Meta-Analysis. *Archives of Academic Emergency Medicine*, 12(1), e52. <https://doi.org/10.22037/aaem.v12i1.2288>
26. Naghavi, Mohsen et al. **Global burden of bacterial antimicrobial resistance 1990–2021: a systematic analysis with forecasts to 2050.** *The Lancet*, Volume 404, Issue 10459, 1199 – 1226. [https://doi.org/10.1016/S0140-6736\(24\)01867-1](https://doi.org/10.1016/S0140-6736(24)01867-1)
27. Feigin, Valery L et al. **Global, regional, and national burden of stroke and its risk factors, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021.** *The Lancet Neurology*, Volume 23, Issue 10, 973 – 1003. [https://doi.org/10.1016/S1474-4422\(24\)00369-7](https://doi.org/10.1016/S1474-4422(24)00369-7)
28. Sirota, S. B., Doxey, M. C., Dominguez, R. M. V., Bender, R. G., Vongpradith, A., Albertson, S. B., ... & Ed-Dra, A. (2025). **Global**, regional, and national burden of upper respiratory infections and otitis media, 1990–2021: a systematic analysis from the Global Burden of Disease Study 2021. *The Lancet Infectious Diseases*, 25(1), 36-51. [https://doi.org/10.1016/S1473-3099\(24\)00430-4](https://doi.org/10.1016/S1473-3099(24)00430-4)
29. **Alrawashdeh, A.**, Simmons, N., Alhawarat, M., Maayeh, M. S., & Kheirallah, K. A. (2024). A Retrospective Analysis of Jordan's National COVID-19 Call Center: Operations, Effectiveness, and Lessons Learned. *Journal of Multidisciplinary Healthcare*, 17, 5079–5089. <https://doi.org/10.2147/JMDH.S475335>
30. Alsulaiman, J. W., Kheirallah, K. A., **Alrawashdeh, A.**, et al (2024). Risk Stratification of Penicillin Allergy Labeled Children: A Cross-Sectional Study from Jordan. *Therapeutics and Clinical Risk Management*, 20, 505–514. <https://doi.org/10.2147/TCRM.S464511>
31. **GBD 2021 Diarrhoeal Diseases Collaborators.** Global, regional, and national age-sex-specific burden of diarrhoeal diseases, their risk factors, and aetiologies, 1990–2021, for 204 countries and territories: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Infectious Diseases*, Volume 0, Issue 0. [https://doi.org/10.1016/S1473-3099\(24\)00691-1](https://doi.org/10.1016/S1473-3099(24)00691-1)
32. Alwidyan, M. T., **Alrawashdeh, A.**, & Oteir, A. O. (2024). Attitude and Behavior of Road Users Responding to EMS Ambulances in Developing Countries: a Cross-sectional Study. *Archives of Academic Emergency Medicine*, 12(1), e57. <https://doi.org/10.22037/aaem.v12i1.2262>
33. Mokdad, Ali H et al. **Burden of disease scenarios by state in the USA, 2022–50: a forecasting analysis for the Global Burden of Disease Study 2021.** *The Lancet*, Volume 404, Issue 10469, 2340–2370. [https://doi.org/10.1016/S0140-6736\(24\)02246-3](https://doi.org/10.1016/S0140-6736(24)02246-3)
34. Alsulaiman JW, Alzoubi A, **Alrawashdeh A**, et al. Mapping trends and hotspots of research on COVID-19 vaccine effectiveness: A comprehensive bibliometric analysis of global research. *J Infect Public Health*. 2024 Nov 22;18(1):102597. <https://doi.org/10.1016/j.jiph.2024.102597>
35. Alkhazali, I., Nik Ab Rahman, N., **Alrawashdeh, A.**, & Fauzi, M. (2024). Development of respiratory disease quality indicators for pediatric patients in Jordanian emergency departments: a RAND/UCLA appropriateness method. *Journal of Emergency and Critical Care Medicine*, 9. doi:10.21037/jeccm-24-90. <https://doi.org/10.21037/jeccm-24-90>

36. **Alrawashdeh, A., & Alkhatib, Z. I. (2024).** Incidence and outcomes of in-hospital resuscitation for cardiac arrest among paediatric patients in Jordan: a retrospective observational study. *BMJ Paediatrics Open*, 8(1), e003013. <https://doi.org/10.1136/bmjpo-2024-003013>
37. Alqahtani, S. A., Alshammari, T. M., Alzahrani, et al. (2025). Outcomes of COVID-19 During the First Wave in Saudi Arabia: An Observational Study of ICU Cases from a Single Hospital. *Journal of Clinical Medicine*. 2025; 14(6):1915. <https://doi.org/10.3390/jcm14061915>
38. **GBD 2021 Adult BMI Collaborators (2025).** Global, regional, and national prevalence of adult overweight and obesity, 1990-2021, with forecasts to 2050: a forecasting study for the Global Burden of Disease Study 2021. *Lancet (London, England)*, 405(10481), 813–838. [https://doi.org/10.1016/S0140-6736\(25\)00355-1](https://doi.org/10.1016/S0140-6736(25)00355-1)
39. **GBD 2021 Adolescent BMI Collaborators (2025).** Global, regional, and national prevalence of child and adolescent overweight and obesity, 1990-2021, with forecasts to 2050: a forecasting study for the Global Burden of Disease Study 2021. *Lancet (London, England)*, 405(10481), 785–812. [https://doi.org/10.1016/S0140-6736\(25\)00397-6](https://doi.org/10.1016/S0140-6736(25)00397-6)
40. Zghool AW, **Alrawashdeh A**, Alkhatib ZI, Nasser SA, Kostandova N, et al. (2025) Temporal trends in the incidence and case severity of COVID-19 cases among the Syrian refugees in Azraq camp in Jordan: A retrospective observational study. *PLOS Neglected Tropical Diseases* 19(2): e0012875. <https://doi.org/10.1371/journal.pntd.0012875>
41. **Alrawashdeh, A., Al-Nusair, M., Rawashdeh, S., Abdi, D., Kheirallah, K. A., Alqahtani, S., Alwidyan, M., Oteir, A., Raffee, L., & Nehme, Z. (2025).** Temporal trends in the incidence and outcomes of cardiopulmonary arrest events treated in the emergency department at a tertiary hospital in Jordan. *Resuscitation plus*, 22, 100907. <https://doi.org/10.1016/j.resplu.2025.100907>
42. **GBD 2021 Europe Life Expectancy Collaborators (2025).** Changing life expectancy in European countries 1990-2021: a subanalysis of causes and risk factors from the Global Burden of Disease Study 2021. *The Lancet. Public health*, 10(3), e172–e188. [https://doi.org/10.1016/S2468-2667\(25\)00009-X](https://doi.org/10.1016/S2468-2667(25)00009-X)
43. Al-Dekah, A. M., **Alrawashdeh, A.**, Bellizzi, S., Al-Mistarehi, A. H., & Kheirallah, K. A. (2025). The status quo of psychology research on refugees, asylum-seekers and displaced people: a global bibliometric analysis. *International Journal of Migration, Health and Social Care*, 21(1), 84-110. <https://doi.org/10.1108/IJMHSC-01-2024-0012>
44. Oh, J., Kim, S., Kim, M. S., Abate, Y. H., ... & Gandhi, A. P. (2025). Global, regional, and national burden of asthma and atopic dermatitis, 1990–2021, and projections to 2050: a systematic analysis of the Global Burden of Disease Study 2021. *The Lancet Respiratory Medicine*. [https://doi.org/10.1016/S2213-2600\(25\)00003-7](https://doi.org/10.1016/S2213-2600(25)00003-7)
45. Alsulaiman, J. W., Yehya, S., Kheirallah, K. A., **Alrawashdeh, A.**, Wahsheh, M., Fraij, A., ... & Al-Resheq, Y. (2025). Beyond cigarettes: waterpipe tobacco use as a key driver of paediatric asthma in Jordan. *BMJ Paediatrics Open*, 9(1), e003208. <https://doi.org/10.1136/bmjpo-2024-003208>
46. Dalky, A., Altawalbih, M., Alshanik, F., Khasawneh, R. A., Tawalbeh, R., Al-Dekah, A. M., **Alrawashdeh, A.**, Quran, T. O., & ALBashtawy, M. (2025). Global Research Trends, Hotspots, Impacts, and Emergence of Artificial Intelligence and Machine Learning in Health and Medicine: A 25-Year Bibliometric Analysis. *Healthcare*, 13(8), 892. <https://doi.org/10.3390/healthcare13080892>
47. Alsulaiman, J. W., Kheirallah, K. A., **Alrawashdeh, A.**, Abu Sanad, Z., Al-Mnayyis, A. M., Yassin, A., ... Alzoubi, H. (2025). Clinical and Demographic Characteristics of Hospitalized Pediatric Measles Cases; The 2023 Outbreak in Northern Jordan. *Infection and Drug Resistance*, 18, 1773–1783. <https://doi.org/10.2147/IDR.S518009>
48. **GBD 2021 Global Subarachnoid Hemorrhage Risk Factors Collaborators.** Global, Regional, and National Burden of Nontraumatic Subarachnoid Hemorrhage: The Global Burden of Disease Study 2021. *JAMA Neurol.* Published online May 23, 2025. <https://doi:10.1001/jamaneurol.2025.1522>
49. Obeidat, N., Khasawneh, R., **Alrawashdeh, A.**, Abdel Kareem, A. M., Al-na'asan, M. K., Alkhatatba, M., & Bani Essa, S. (2025). Shoulder Injury Related to Vaccine Administration

- (SIRVA) Following COVID-19 Vaccination: Correlating MRI Findings with Patient Demographics. *Tomography*, 11(5), 53. <https://doi.org/10.3390/tomography11050053>
50. **Alrawashdeh, A.**, Ihtoub, S., I. Alkhatib, Z., Alwidyan, M., S Khader, Y., et al. (2025). Prehospital ECG Interpretation Methods for ST-Elevation MI Detection and Catheterization Laboratory Activation: A Systematic Review and Meta-Analysis. *Archives of Academic Emergency Medicine*, 13(1), e47. <https://doi.org/10.22037/aaemj.v13i1.2627>
 51. Alsulaiman, J. W., Slaihat, A., Kheirallah, K. A., **Alrawashdeh, A.**, Haddad, S. Z., Abdel Al, A. M., AlZoubi, H. (2025). Shawarma and Salmonella Enteritidis: Tracing a 2020 Foodborne Outbreak in Ain Al-Basha, Jordan. *International Journal of General Medicine*, 18, 3011–3019. <https://doi.org/10.2147/IJGM.S517468>
 52. Kjær J, Milling L, Brøchner AC, Lippert F, Blomberg SN, Christensen HC, Holgate R, Morrison LJ, Bakhsh A, Mikkelsen S; Global Prehospital Resuscitation Network. Prehospital cardiac arrest resuscitation practices differ around the globe. *Resusc Plus*. 2025 Jun 24;25:101017. <https://doi.org/10.1016/j.resplu.2025.101017>
 53. Dalky A, Osaid Malkawi RM, **Alrawashdeh A**, ALBashtawy M, Hani SB. Perceptions, barriers, and risk of artificial intelligence Among healthcare professionals: A cross-sectional study. *DIGITAL HEALTH*. 2025;11. <https://doi.org/10.1177/20552076251360924>
 54. **Alrawashdeh, A.**, Ihtoub, S., Alkhatib, Z. I., Alwidyan, M., Khader, Y. S., Rawashdeh, S., Alqahtani, S., Stub, D., Alhamouri, R., Alkhazali, I. E., & Nehme, Z. (2025). Prehospital ECG Interpretation Methods for ST-Elevation MI Detection and Catheterization Laboratory Activation: A Systematic Review and Meta-Analysis. *Archives of academic emergency medicine*, 13(1), e47. <https://doi.org/10.22037/aaemj.v13i1.2627>
 55. Rawshdeh, M., Obeidat, S., Alwadi, M. et al. Characteristics of emergency department visits in Jordanian public hospitals. *Int J Emerg Med* 18, 166 (2025). <https://doi.org/10.1186/s12245-025-00952-x>
 56. Islam Alkhazali, Nik Ab Rahman, **Ahmad Alrawashdeh**, Mohd Hashairi Fauzi. (2025). Barriers and facilitators in implementing quality indicators for pediatric respiratory diseases in Jordanian emergency departments: A qualitative study. *Journal of Emergency Medicine, Trauma and Acute Care*, 3, 2025. <https://doi.org/10.5339/jemtac.2025.26>
 57. GBD 2023 Vaccine Coverage Collaborators. Global, regional, and national trends in routine childhood vaccination coverage from 1980 to 2023 with forecasts to 2030: a systematic analysis for the Global Burden of Disease Study 2023. *The Lancet*, Volume 406, Issue 10500, 235 – 260. [https://doi.org/10.1016/S0140-6736\(25\)01037-2](https://doi.org/10.1016/S0140-6736(25)01037-2)
 58. GBD 2023 Cancer Collaborators. The global, regional, and national burden of cancer, 1990–2023, with forecasts to 2050: a systematic analysis for the Global Burden of Disease Study 2023. *The Lancet*, Volume 406, Issue 10512, 1565 – 1586. [https://doi.org/10.1016/S0140-6736\(25\)01635-6](https://doi.org/10.1016/S0140-6736(25)01635-6)
 59. GBD 2021 Global AMD Collaborators. Global burden of vision impairment due to age-related macular degeneration, 1990–2021, with forecasts to 2050: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Global Health*, Volume 13, Issue 7, e1175 - e1190. [https://doi.org/10.1016/S2214-109X\(25\)00143-3](https://doi.org/10.1016/S2214-109X(25)00143-3)

Conferences

1. **Alrawashdeh, A.**, Nehme, Z., Williams, B., Stub, D. Emergency medical service delays in contemporary ST-elevation myocardial infarction systems-of-care: a systematic review and meta-analyses. Paper presented at Paramedicine Research Symposium. 6th July 2018, Monash University, Melbourne, Australia.
2. **Alrawashdeh, A.**, Nehme, Z., Williams, B., Stub, D. Emergency medical service delays in managing ST-elevation myocardial infarction: Global overview. Keynote speaker at Jordan

- Paramedic International Conference 2018. 4th Nov 2018, Jordan University of Science and Technology, Irbid, Jordan.
3. **Alrawashdeh, A.,** Nehme, Z., Williams, B., Stub, D. A meta-analysis of ambulance delays and its impact on treatment and mortality in ST-elevation myocardial infarction, School Research Symposium (SPAHC-2019)
 4. **Alrawashdeh, A.,** Nehme, Z., Williams, B., Smith, K., Stephenson, M., Bernard, S., Cameron, P., Stub, D. Factors associated with emergency medical service delays in suspected ST-elevation myocardial infarction. Paramedics Australasia International Conference 2019. Tasmania.
 5. **Ahmad Alrawashdeh,** Epidemiology and outcome of in-hospital sudden cardiac arrest in Jordan: A national study. 51st Jordan Society of Surgeons (JSS) Conference & The 11th Conference of Surgical Specialty / Ministry of Health (MOH). 26-28 Oct. 2023, Amman , Jordan.
 6. **Ahmad Alrawashdeh,** Zaid Alkhateb, Nebras Melhem, Characteristics and performance of machine learning algorithms predicting clinical outcomes after out-of-hospital cardiac arrest: a systematic review and analysis”, European Resuscitation Council Congress – Resuscitation 2023. 02-04 November 2023. Barcelona, Spain
 - 7- Fatima Thnebat, **Ahmad Alrawashdeh.** COVID-19 vaccine effectiveness using test-negative case-control study in severe acute respiratory infections: Results from four hospital in Jordan. Technical consultative meeting for the “EM Regional COVID-10 Vaccine Effectiveness Study”. 12-13 November 2023, **EMR WHO,** Cairo, Egypt.
 - 8- **Ahmad Alrawashdeh,** Keynote Speaker: Beyond the Ambulance: EMS Models, Competencies, and Public Health Innovation. EMPHENT Technical Monthly Day. January 4, 2025. Virtual meeting

Research awards

1. Best research poster award (1st place joint), School Research Symposium (SPAHC-2019). **Alrawashdeh, A.,** Nehme, Z., Williams, B., Stub, D. Poster title: A meta-analysis of ambulance delays and its impact on treatment and mortality in ST-elevation myocardial infarction.
2. Best paper award (1st place), Higher Degree Research Student Publication Award-2019 Department of Paramedicine, Monash University. **Alrawashdeh, A.,** Nehme, Z., Williams, B. Stub, D. Oral presentation title: Emergency medical service delays in ST-elevation myocardial infarction: a meta-analysis.
3. Best research poster award (1st place). Paramedics Australasia International Conference 2019. **Alrawashdeh, A.,** Nehme, Z., Williams, B., Smith, K., Stephenson, M., Bernard, S., Cameron, P., Stub D. Poster title: Factors associated with emergency medical service delays in suspected ST-elevation myocardial infarction.

Research grants

Ongoing

| year | Title |
|-----------|---|
| 2023-2025 | Fostering Global Health Dialogue between Jordan and Germany DAAD-Germany in collaboration with Heidelberg University Role: PM |
| 2025 | Incidence and outcomes of in-hospital cardiac arrest among adult patients in Northern Jordan |

| | |
|------|---|
| 2024 | Diagnostic accuracy of prehospital ST-elevation myocardial infarction identification and Cath lab activation: a systematic review and meta-analysis |
| 2024 | Incidences and Outcomes of In-hospital Cardiac Arrest among Neonatal and Pediatric Patients in Northern Jordan |
| 2023 | Map, review, and evaluate existing legislations, policies, strategies, standards operational procedures, related documents, and registries for non-communicable diseases related to surveillance, prevention, and control |
| 2023 | Developing quality indicators for the care of pediatric patients presenting to the emergency department with respiratory diseases in Jordan |
| 2022 | Epidemiological and clinical characteristics of sudden cardiac arrest: a national study of Jordan |
| 2022 | Clinical simulation laboratory for airway and ventilation management |

Closed

| | |
|------|---|
| 2023 | Map, review, and evaluate existing legislations, policies, strategies, standards operational procedures, related documents, and registries for non-communicable diseases related to surveillance, prevention, and control |
| 2023 | The Epidemiological Characteristics of the COVID-19 Cases and the Side Effects of COVID-19 Vaccines among the Syrian Refugees in Al-Azraq Camp, Jordan |
| 2023 | Barriers and facilitators of electronic health record documentation quality in emergency department: a mixed methods study |
| 2021 | Applications of machine learning in emergency medical services; a systematic review |
| 2021 | Applications of machine learning in out-of-hospital cardiac arrest; a systematic review |