

# Olla Hamdan

## Education

---

<b>Vanderbilt University</b> , Nashville- Tennessee Master of Public Health (MPH), Epidemiology	Aug 2022 – May 2024
<b>University of Jordan</b> , Amman-Jordan Bachelor of Pharmacy	Sep 2016 – Jun 2021
<b>Jubilee School</b> , Amman-Jordan General Secondary Year Examination	Sep 2012 – Jun 2016

## Professional Experience

---

<b>Vanderbilt University Medical Center</b> , Nashville-Tennessee TempForce Res Student Worker	Oct 2022 – Present
<ul style="list-style-type: none"><li>• Collect, interpret, and document data in the New Vaccine Surveillance Network (NVSN), Centers for Disease Control and Prevention (CDC).</li><li>• Assist in ensuring adherence to protocols and regulations.</li><li>• Document vaccine data and perform chart reviews.</li></ul>	
<b>The Eastern Mediterranean Public Health Network (EMPHNET)</b> , Amman-Jordan Research and Policy Department Intern	July 2023
<ul style="list-style-type: none"><li>• Joined the ENGAGE internship program at the research and policy department of EMPHNET, focusing on conducting a national survey assessing mental health and psychosocial issues among children and adolescents in Jordan.</li></ul>	
<b>Clarity Drug Store</b> , Amman-Jordan Medical Representative	Sep 2021 – Aug 2022
<ul style="list-style-type: none"><li>• Built strong relationships with healthcare professionals through effective communication and adaptability to maximize engagement and drive product adoption.</li><li>• Delivered compelling product presentations and demonstrations, leveraging market knowledge and expertise to influence prescribing behaviours.</li><li>• Ensured compliance with industry regulations and ethical standards while collaborating with cross-functional teams to address customer needs and advance company objectives.</li></ul>	
<b>Beauty Path Health Solutions</b> , Amman-Jordan Intern Medical Representative	Jun 2020 – Jun 2021
<ul style="list-style-type: none"><li>• Introduced and marketed Ultraviolet C (UVC) technology for viral and bacterial disinfection to the Jordanian market.</li><li>• Arranged lectures, meetings, and presentations for potential targeted customers and institutions.</li></ul>	
<b>Al-Bashir Hospital/ Vanderbilt University</b> , Amman-Jordan Research Assistant	Dec 2019 – May 2020

- Conducted comprehensive interviews and collected clinical samples to evaluate RSV and other respiratory viruses' circulation among children with acute respiratory illnesses and to evaluate the sensitivity and specificity of RSV and Influenza rapid diagnostic testing compared to PCR.

**Jordan Pharmaceutical Students' Association**, Amman-Jordan  
Public Health Coordinator

Aug 2017 – Aug 2018

- Implemented and organized workshops, campaigns, and events to help raise awareness of common medical issues and prevalent diseases.

**U.S Alumni Social Innovation Program**, Amman-Jordan  
Volunteer

Oct 2019 – Apr 2020

- Participated in a six-month project led by the U.S. Embassy in Amman that aimed to engage participants with local community organizations and small businesses to amplify their social impact.

**TechGirls Exchange**, Washington DC-USA  
TechGirls Exchange International Student

Jul 2014 – Aug 2014

- Participated in a summer exchange program that empowers young women to pursue higher education and careers in science, technology, engineering, and math (STEM) fields through hands-on skills development training, mentorship, and cultural exchange.

### Research Work

---

#### Published Articles:

- D.A. Rankin, N.K. Khankari, Z. Haddadin, **O. Hamdan**, A. Yanis, S. Faouri, A. Shehabi, J.V. Williams, N. Khuri-Bulos, N.B. Halasa (2021). Antibiotic use for respiratory syncytial virus in the Middle East: A surveillance study in hospitalized Jordanian children. *PloS One*, 16(11), e0260473.

#### Conference Abstracts and Presentations:

- **O. Hamdan**, T. Stopczynski, A. Stahl, D.A. Rankin, Z. Haddadin, A. Yanis, Y. Shawareb, H. Hayek, J.Z. Amarin, Y.Z. Qwaider, A. AlHajajra, B. Marrar, A.J. Spieker, J.D. Chappell, N. Khuri-Bulos, N.B. Halasa (2023). Patterns of Antibiotic Use in Young Children Hospitalized with RSV in Amman, Jordan. *Journal of the Pediatric Infectious Diseases Society*, 12(Supplement\_1), S15–S16, Abstract. St. Jude's/PIDS. Memphis, Tennessee. March 2023. Oral presentation. Edwards Vaccinology and Infectious Diseases Symposium 2023. Nashville, Tennessee. April 2023. Poster presentation.
- **O. Hamdan**, T. Stopczynski, J.Z. Amarin, Y.Z. Qwaider, H. Hayek, L.S. Stewart, R. McHenry, A.J. Spieker, J. Chappell, M. Wikswo, S. Mirza, N.B. Halasa (2023). Viral and Bacterial Etiology of Acute Gastroenteritis in Children < 5 Years Old at a Major Pediatric Referral Center Before and During the COVID-19 Pandemic. *Open Forum Infectious Diseases*, 10(Suppl 2), Abstract. IDWeek 2023. Boston. October 2023. Poster presentation
- J.Z. Amarin, **O. Hamdan**, J.W. Antoon, A.J. Spieker, L.S. Stewart, M.G. Michaels, J.V. Williams, E.J. Klein, J.A. Englund, G.A. Weinberg, P.G. Szilagyi, J.E. Schuster, R. Selvarangan, J.A. Boom, F.M. Munoz, M.A. Staat, E.P. Schlaudecker, J. Chappell, B.R. Clopper, H.L. Moline, ... N.B. Halasa (2023). Predictors of Antiviral Receipt for Influenza in Hospitalized U.S. Children, New Vaccine Surveillance Network (NVSN), 2016–2020. *Open Forum Infectious Diseases*, 10(Suppl 2), Abstract. IDWeek 2023. Boston. October 2023. Poster presentation

- J.Z. Amarin, H. Hayek, Y.Z. Qwaider, T. Stopczynski, M. Potter, **O. Hamdan**, A.J. Spieker, J.D. Chappell, J. Schmitz, J.O. Wrenn & N.B. Halasa. Association Between Social Vulnerability Index Theme Percentile Ranks and the Number of Respiratory Viruses Detected in People Who Underwent Multiplex Testing in Nashville, Tennessee, 2018–2022. 2023 St. Jude/PIDS Pediatric Infectious Diseases Research Conference. Memphis, Tennessee. March 2023, Journal of the Pediatric Infectious Diseases Society, Volume 12, Issue Supplement\_1, November 2023, Page S1, Poster presentation.
- Z. Haddadin, D.A. Rankin, A. Yanis, Y. Shawareb, **O. Hamdan**, M. Saada, S. Hilal, A. Alhajajra, B. Marar, N. Khuri-Bulos (2020). Respiratory Syncytial Virus Acute Respiratory Infections in Young Children in Jordan: A Prospective Surveillance Study. Open Forum Infectious Diseases, 7(Suppl 1), S430–S431, Abstract. IDWeek 2020, Virtual, Poster presentation.
- T. Stopczynski, J.Z. Amarin, J.W. Antoon, **O. Hamdan**, L.S. Stewart, J. Chappell, A.J. Spieker, E.J. Klein, J.A. Englund, G.A. Weinberg, P.G. Szilagyi, R. Hickey, M.G. Michaels, F.M. Munoz, J.A. Boom, M.A. Staat, E.P. Schlaudecker, J.E. Schuster, R. Selvarangan, A.P. Campbell, ... N.B. Halasa (2023). Antiviral Prescription in Children with Influenza in Emergency Departments (ED): New Vaccine Surveillance Network (NVSN), 2016–2020. Open Forum Infectious Diseases, 10(Suppl 2), Abstract. IDWeek 2023. Boston. October 2023. Oral presentation
- J.D. Johnson, J.Z. Amarin, T. Stopczynski, H. Hayek, Y.Z. Qwaider, **O. Hamdan**, L.S. Stewart, R. McHenry, A.J. Hall, D.C. Payne, M. Wikswo, J.R. Dunn, A.J. Spieker, J. Chappell, N.B. Halasa (2023). Clinical Characteristics and Enteric Viral Detection Among Children with One Vomiting Episode in the Absence of Diarrhea. Open Forum Infectious Diseases, 10(Suppl 2) Abstract. IDWeek 2023. Boston. October 2023. Poster presentation
- H. Hayek, J.Z. Amarin, Y.Z. Qwaider, T. Stopczynski, A.J. Spieker, **O. Hamdan**, J. Schmitz, J.D. Chappell, J.O. Wrenn, N.B. Halasa (2023). Common Cold Coronaviruses Detection at an Academic Hospital Before and During COVID-19 Pandemic. Journal of the Pediatric Infectious Diseases Society, 12(Supplement\_1), S4–S5. Abstract. St. Jude’s/PIDS. Memphis, Tennessee. March 2023, Poster presentation.
- Y.Z. Qwaider, J.Z. Amarin, H. Hayek, T. Stopczynski, A.J. Spieker, **O. Hamdan**, J. Schmitz, J.D. Chappell, J.O. Wrenn, N.B. Halasa (2023). Circulation of Parainfluenza Virus in Nashville, Tennessee Before and During the COVID-19 Pandemic. Journal of the Pediatric Infectious Diseases Society, 12(Supplement\_1), S7–S8 Abstract Jude/PIDS Pediatric Infectious Diseases Research Conference. Memphis, Tennessee. March 2023. Poster presentation.
- **O. Hamdan**, Z. Haddadin, A. Yanis, Y. Shawareb, D.A. Rankin, M. Potter, H. Rahman, R. Talj, J.Z. Amarin, A.J. Spieker, R. Haddadin & N.B. Halasa. Seasonal Influenza Vaccination: Attitudes, Practices, and Perceptions of Healthcare Workers in Jordan. ISIRV-WHO Virtual Conference. Online. October 2021. Poster presentation.
- Y.Z. Qwaider, J.Z. Amarin, H. Hayek, T. Stopczynski, **O. Hamdan**, J.D. Chappell, A.J. Spieker, J.O. Wrenn, N.B. Halasa. Bacterial Co-detection in Adults with Respiratory Syncytial Virus. RSVVW’24, Mumbai, India. February 2024. Poster presentation.
- **O. Hamdan**, T. Stopczynski, J.Z. Amarin, H. Hayek, Y.Z. Qwaider, L.S. Stewart, A.J. Spieker, J. Chappell, N.B. Halasa (2023). Association Between Cycle Threshold Values and Disease Severity in Children with Respiratory Syncytial Virus Infection at Vanderbilt University Medical Center (2016–2020). Translational Research Forum, Vanderbilt University, poster presentation. RSVVW’24, Mumbai, India. February 2024. Poster presentation.

- J.Z. Amarin, Y.Z. Qwaider, P. Kumar, T. Stopczynski, H. Hayek, **O. Hamdan**, J.D. Chappell, A.J. Spieker, J.O. Wrenn, N.B. Halasa. Bacterial Co-detection in Children with Respiratory Syncytial Virus. RSVVW'24, Mumbai, India. February 2024. Poster presentation.
- Q. Odeh, J.Z. Amarin, H. Hayek, Y.Z. Qwaider, **O. Hamdan**, R. Salim, A. Khader, T. Khraise, A. Alhajajra, L.M. Howard, A.J. Spieker, J.D. Chappell, N. Khuri-Bulos, N.B. Halasa. Sex Differences in Outcomes of Children <2 Years Old Hospitalized with Respiratory Syncytial Virus Infection in Amman, Jordan. RSVVW'24, Mumbai, India. February 2024. Poster presentation.
- H. Hayek, J.Z. Amarin, **O. Hamdan**, Y.Z. Qwaider, R. Salim, A. Khader, T. Khraise, Q. Odeh, A. Alhajajra, Y. Khader, B. Al-Zoubi, L.M. Howard, A.J. Spieker, J.D. Chappell, N. Khuri-Bulos, N.B. Halasa. Seasonality and Outcomes of Respiratory Viruses Among Hospitalized Children in Amman, Jordan, Over Multiple Respiratory Seasons. RSVVW'24, Mumbai, India. February 2024. Poster presentation.
- R. Salim, H. Hayek, J.Z. Amarin, **O. Hamdan**, Y.Z. Qwaider, A. Khader, Q. Odeh, T. Khraise, A. Alhajajra, Y. Khader, B. Al-Zoubi, L.M. Howard, A.J. Spieker, J.D. Chappell, N. Khuri-Bulos, N.B. Halasa. Differences in Clinical Characteristics, Symptom Presentation, and Hospital Outcomes Among Children <2 Years Old with Respiratory Infections Admitted to Al-Bashir Hospital: Impact of Prehospitalization Antibiotics. RSVVW'24, Mumbai, India. February 2024. Poster presentation.
- A. Khader, **O. Hamdan**, J.Z. Amarin, H. Hayek, Y.Z. Qwaider, R. Salim, T. Khraise, Q. Odeh, A. Alhajajra, Y. Khader, B. Al-Zoubi, L.M. Howard, A.J. Spieker, J.D. Chappell, N. Khuri-Bulos, N.B. Halasa. Clinical Characteristics and Outcomes of Hospitalized Children with Respiratory Syncytial Virus (RSV), Human Metapneumovirus (HMPV), and RSV-HMPV Co-detection in Amman, Jordan. RSVVW'24, Mumbai, India. February 2024. Poster presentation.
- T. Khraise, Y.Z. Qwaider, J.Z. Amarin, H. Hayek, **O. Hamdan**, R. Salim, A. Khader, Q. Odeh, A. Alhajajra, B. Al-Zoubi, L.M. Howard, A.J. Spieker, J.D. Chappell, N. Khuri-Bulos, N.B. Halasa. The Smoking Exposure Epidemic: Trends Among Hospitalized Children in Amman, Jordan (2007–2023). RSVVW'24, Mumbai, India. February 2024. Poster presentation.
- H. Hayek, J.Z. Amarin, **O. Hamdan**, Y.Z. Qwaider, S.E. Katz, R. Banerjee, L.M. Howard, A.J. Spieker, J.D. Chappell, N. Khuri-Bulos, N.B. Halasa; for the Jordan Viral Surveillance Studies Group. Long-Term Trends in Antibiotic Use in a Low-Resource Medical Setting: Amman, Jordan (2010–2023). St. Jude/PIDS Conference, March 2024. Oral presentation.

### Grants and Awards

---

- Goldberger Scholarship from the Master of Public Health Program at Vanderbilt University
- RSVVW'24 Travel Grant

### Professional Memberships

---

- Pediatric Infectious Diseases Society (PIDS)
- Jordan Pharmacists Association
- International Society for Pharmacoepidemiology (ISPE)