

## **Personal Data**

Mohammad Y. Alkawaldah, Ph.D., M.S.N., R.N.

Date of Birth: 09/28/1985

Nationality: American

Specialization(s): Nursing, Clinical Research, Clinical Research Methodologies, Clinical Informatics Research

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## **Summary**

Motivated and highly productive nurse scientist specialized in Nursing, Clinical Research, Clinical Research Methodologies, and Clinical Informatics Research. I discovered my passion for research when I designed my first mHealth application (ASSISTwell application) to support older adults with chronic illnesses during my doctoral education. Over the past eleven years, I have developed extensive research skills and experiences in educational and clinical settings. I have served as an evaluator, nursing faculty and mentor to trainees from diverse backgrounds on a national and international level. Prior to my current role as an Assistant Professor/Program Director at the Department of Obstetrics and Gynecology research division at UMass Memorial Medical Center and the University of Massachusetts, I directed the clinical research at the Spina Bifida Center at Boston Children's Hospital for nearly six years. Additionally, I developed extensive skills in directing institutional and sponsored clinical trials.

## **Education**

- Ph.D., (Philosophy in Nursing, Primary Care Nursing, Nursing Informatics/ Geriatric Nursing), University of Massachusetts Amherst, Amherst, MA/USA 05/2017  
Thesis Title: Tablet-based Self-Management Intervention for Diabetes Mellitus Type II Patients: Usability and Efficacy of The ASSISTwell Application  
Advisor: Dr. Jeungok Choi
- M.S.N., Stevens-Henager College, Salt Lake City, UT/USA 07/2012
- B.S.N., Nursing, Philadelphia University, Philadelphia, PA/USA 06/2008

## **Postdoctoral Training**

- Postdoctoral Fellowship 09/2017-09/2018  
Supervisor: Dr. Hae Ra Han  
Department of Medicine, Johns Hopkins University School of Nursing and School of Public Health, Baltimore, MD

## **Academic Appointments**

- Assistant Professor, College of Nursing, University of Massachusetts Medical School. Worcester, MA. 2020-present

- Assistant Professor, College of Nursing, Applied Science Private University. Online. 2020-2021
- Assistant Professor, Department of Obstetrics and Gynecology, University of Massachusetts Medical School. Worcester, MA (secondary appointment) 2020-present
- Assistant Professor, College of Nursing, University of Calgary. Qatar. 2018-2019
- Nursing Instructor, College of Nursing, University of Massachusetts. Amherst. 2014-2017

**Other Positions and Employment**

- Informatics Specialist/Quality Improvement Consultants, Boston Children’s Hospital, Vascular Anomalies Center, Boston, MA 01/2015–12/2018
- Postdoctoral Fellow/Research Associate, Johns Hopkins University School of Nursing and School of Public Health, Baltimore, MD 09/2017- 09/2018
- Medication Technician, Millcreek Assisted Living, Salt Lake City, UT 12/2010- 07/2014

**Major Leadership Positions**

- Director of Clinical Research, University of Massachusetts Medical School, OBGYN Department, Worcester, MA 01/2020- 01/2022
- Director of Clinical Research, Boston Children’s Hospital, Spina Bifida Center, Boston, MA 11/2014–01/2020

**Report of Technological and other Scientific Innovations**

1. In collaboration with an interdisciplinary team comprised of nurses, informatics scientists, data scientists, computer scientists and Psychiatrists and Diabetes, and Cardiologist Specialists, we are in the second phase of testing a mHealth application to support self-management for pregnant women with diabetes and hypertension. 2021-Present
2. In collaboration with an interdisciplinary team comprised of nurses, informatics scientist, data scientists and computer scientists, we are designing an application based on Natural Language processing to predict depression behaviors, provider assessments treatments, and ongoing care for prenatal and postpartum patients in Electronic Medical records. 2021-Present

3. In collaboration with an interdisciplinary team comprised of nurses, informatics scientists, computer scientists, and human factors engineers, we designed and developed the ASSISTwell, a tablet-based application to support the self-management activities and behaviors of individuals with chronic conditions. 2014-2020
4. In collaboration with a clinical research team at Boston Children's Hospital, I established a Spina Bifida Center Patient Registry. The goals of this project are to enroll and submit data on 600 patients with SB over the next five years. Second, enhance longitudinal data collection on health status, clinical care, and outcomes for consented patients to the NSBPR. 2015-2020
5. In collaboration with a Quality Improvement team at Boston Children's Hospital and Harvard Medical School, I established an online review application for international Vascular Anomalies patients. The goal of this project is to collect clinical data on rare Vascular. Anomalies conditions from an international population. 2015-2020

**Honors and Awards**

- New Faculty Award (\$60000) (University of Massachusetts) 2020
- Leadership and Management Mentoring Program (Harvard Medical School and Boston Children's Hospital) 2019
- Postdoctoral Fellowship (\$54,000) (Johns Hopkins University) 2017
- Summer Dissertation Fellowship (\$4000) (University of Massachusetts Graduate School) 2017
- Dissertation Research Grant (\$ 1000) (University of Massachusetts Graduate School) 2017
- International Nurse Leader Award (International Nurse Association, USA) 2016
- Nurse Faculty Loan Award (University of Massachusetts) 2014
- Sigma Theta Tau (University of Massachusetts) 2014
- Dean's List (Stevens Henagar College) 2012, 2011
- Recognition for achievements (Bal'ama Culture Center, Amman, Jordan) 2006

**Educational Activities**

**Educational Leadership, Administration and Service**

- Childresn360 and 12B2 Data Mining Consultant, Spina Bifida Center, Boston Children's Hospital, Boston, MA 2017-2020

**Teaching Activities in Programs and Courses**

- Nursing-DNP, Assistant Professor, University of Massachusetts, 22 students, Biomedical Informatics 2020-2021
- Nursing-BSN, Assistant Professor, Applied Since Private University, Geriatric Nursing, Community Health Nursing, Nursing Informatics, Health Promotion 2020-2021

- Nursing Graduate, Assistant Professor, University of Massachusetts, 16 students, Research Core/OBGYN Residents 2020-2021
- Clinical Research Residents, Clinical Research Director, Boston Children’s Hospital, 6 Residents, Informatics and Clinical Research 2018-2020
- Nursing Graduate, Assistant Professor, University of Calgary Qatar, 13 students, Qualitative Research Methods 2018-2019
- Nursing PhD, Postdoctoral instructor, Johns Hopkins University, 19 students, Technology and eTools to Conduct, Facilitate, Implement and Manage Research 2017-2018
- Nursing 110.815, Postdoctoral instructor, Johns Hopkins University, 38 students, Health Promotion 2017-2018
- Nursing 312, Teaching Assistant, University of Massachusetts, 45 students, Cultural Diversity in Health and Illness. 2016, 2017
- Nursing 498, Teaching Assistant, University of Massachusetts, 40 students, Nursing Care of Vulnerable and Underserved Populations 2016-2017
- Nursing 432, Teaching Assistant, University of Massachusetts, 45 students, Nursing Care of Adults: Acute 2014-2015
- Nursing 433, Teaching Assistant, University of Massachusetts, 45 students, Nursing Care of Adults: Chronic 2015, 2016
- Nursing 315, Teaching Assistant, University of Massachusetts, 63 students, Health and Physical Assessment in Nursing 2016, 2015

**Clinical Education**

- Trainer, Yr. 1 Nursing Students, “Health and Physician Assessment in Nursing, University of Massachusetts, 63 students, twice weekly 2014-2015

**Research Education**

- Longitudinal Surveys: UMLS-901 - Summer Research and Curriculum Exploration Program, Medical School, University of Massachusetts, Worcester, MA, Summer program. 2020-2021
- Nursing Informatics: Research Topics, College of Nursing, University of Massachusetts, Worcester, MA, weekly. 2020-present
- Clinical Research Scientific review, Urology Department, Boston Children’s Hospital, Boston, MA, monthly 2019-2020

**Educational Development: Curricula and Educational Materials**

- Developer, “Qualitative Research Methods” and Director, Spina Bifida Center, Boston Children’s Hospital, Boston, MA 2020-present
- Developer, “Clinical Research Manual” and Director, Spina Bifida Center, Boston Children’s Hospital, Boston, MA 2017-present

- Developer, “Nursing Informatics Research Topics” and Director, University of Massachusetts Medical School, Worcester, MA. 2020-present

**Advising and Mentoring**

**Clinical Research**

1. Hsin-Hsiao Wang, MD, Mentor, Clinical Research Fellow, Department of Urology, Boston Children’s Hospital. National Spina Bifida Patient Registry: A machine Learning Project 2019-present
2. Duncan Morhardt, MD, Mentor, Clinical Research Fellow, Department of Urology, Boston Children’s Hospital. Secondary Tethering and Urodynamic Findings after Prenatal Closure for Myelomeningocele. 2019-present
3. Briony Varda, MD, Mentor, Clinical Research Fellow, Department of Urology, Boston Children’s Hospital. Spina Bifida Patient Register at Boston Children’s Hospital. 2018-2019
4. Joseph McQuaid, MD, Mentor, Clinical Research Fellow, Department of Urology, Boston Children’s Hospital. Online Spina Bifida Quality Improvement Process. 2017-2019

**Medical Students**

1. Kristina Brewer, MD Candidate Class of 2024, Department of Obstetrics and Gynecology, UMass Medical School. The Impact of Spinning Babies ® on Childbirth Outcomes among Nulliparous Birthing Persons 2021-present
2. Anjana Gupta, MD Candidate Class of 2024, Department of Obstetrics and Gynecology, UMass Medical School. Incorporating Telehealth into Obstetric Care During the COVID-19 Pandemic: A Systematic Review 2020-present
3. Hannah Spalding, MD Candidate Class of 2023, Department of Obstetrics and Gynecology, UMass Medical School. Racial Disparities and Depression Screening and Treatments: A Cross-sectional Analysis of Pregnant and Postpartum Depressed Women. 2020-present
4. Amanda Lee, MD Candidate Class of 2023, Department of Obstetrics and Gynecology, UMass Medical School. Racial and Sociodemographic Disparities in Telehealth Access and Utilization During the COVID-19 Pandemic. 2020-present
5. Emily Chin, MD Candidate Class of 2023, Department of Obstetrics and Gynecology, UMass Medical School. Video Consultations for COVID-19. 2020-present
6. Molly Olmsted, MD Candidate Class of 2023, Department of Obstetrics and Gynecology, UMass Medical School. Impact of COVID-19 on Prenatal and Postpartum Care. 2020-present

**Pre-Medical Student**

1. Tracy Yeboah, Pre-Med Student, Mentor and Advisor, Department of Obstetrics and Gynecology, UMass Medical School, provided clinical research and career development guidance 2020-Present
2. James Lee, Pre-Med Student, Program Mentor and Advisor, Urology and Spina Bifida, provided clinical research and career development guidance. 2019-present

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| 3. Ian McCarthy, Pre-Med Student, Program Mentor and Advisor, Urology and Spina Bifida, provided clinical research and career development guidance.     | 2018-2020 |
| 4. Alyssia Venna, Pre-Med Student, Program Mentor and Advisor, Urology and Spina Bifida, provided clinical research and career development guidance.    | 2018-2020 |
| 5. Mahmoud Alqadi, Ph.D. Nursing, Program Mentor and Advisor, Urology and Spina Bifida, provided clinical research and career development guidance.     | 2016-2017 |
| 6. Maggie Leary, BSN, Program Mentor and Advisor, Urology and Spina Bifida, provided clinical research and career development guidance.                 | 2018-2019 |
| 7. Katherine Sexton, Pre-Med Student, Program Mentor and Advisor, Urology and Spina Bifida, provided clinical research and career development guidance. | 2019-2020 |
| 8. Ashley Shimel, Pre-Med Student, Program Mentor and Advisor, Urology and Spina Bifida, provided clinical research and career development guidance.    | 2018-2019 |

**Investigation**

**Grants**

***Submitted Grants***

1. Agency: Patient-Centered Outcomes Research Institute  
 PI: Sandra Carlos Estrada, MD, MHS  
 Title: *Community-based, family-centered, trauma-informed approach to timely detection and management of early postpartum hypertension*  
 The main goal of this project is to improve access to quality care for women of color who are at risk or are experiencing postpartum hypertension following a strong community engagement approach.  
 Total, direct & indirect costs: \$15,000000  
 Role: Co-I-Clinical Research Associate/Director (30% effort)

***Completed Grants***

2. Agency: Center for Disease Control and Prevention 2018-2021  
 PI: Sandra Carlos Estrada, MD, MHS  
 Title: *Comp B-National Spina Bifida Patient Registry at Boston Children’s Hospital*  
 The goals of this project are to enroll and submit data on 600 patients with SB over the next five years. Second, enhance longitudinal data collection on health status, clinical care, and outcomes for consented patients to the NSBPR.  
 Total, direct & indirect costs: \$340,000  
 Role: Clinical Research Associate/Director (30% effort)

3. Agency: Harvard Pilgrim HealthCare 2019 Quality Grant 2019-2021  
 PI: Richard Antonelli, MD  
 Title: *Transforming the process by which adults and young adults can safely and effectively transition their care from pediatrics to adult care.*  
 The goal of this study is to adapt, implement, and evaluate the effectiveness of components of integrated care delivery and care coordination for patients with spina bifida and identify the necessary elements and activities of an integrated, multidisciplinary care team that will support the safe and successful transition from a pediatric-only care model to an integrated care team which includes appropriate adult service components.  
 Total, direct & indirect costs: \$94,000  
 Role: Clinical Research Associate/Director (9% effort)
4. Agency: National Institute of Health 2017-2021  
 PI: Sandra Amaral, MD  
 Title: *Urological and Renal Disease Engaging Adolescents in Adherence Collaborative Trial (U REAACT)*  
 The goal of this study is to determine the effectiveness of behavioral feedback plus economic incentives to promote treatment adherence among a large, diverse population of adolescents and young adults (AYA) with a kidney transplant or spina bifida.  
 Total, direct & indirect costs: \$350,000  
 Role: Clinical Research Associate/Director (10% effort)
5. Agency: Department of Obstetrics and Gynecology 2020-2021  
 PI: Mohammad Alkawaldeh, Ph.D., MSN/NI, RN  
 Title: *Telehealth Consultations for Prenatal and Postpartum Patients During COVID-19.*  
 The goal of this project is to implement virtual consultations during the COVID-19 pandemic for prenatal and postpartum patients at the department of OBGYN.  
 Total, direct & indirect costs: \$50000  
 Role: PI/Director (50% effort)
6. Agency: Department of Obstetrics and Gynecology 2020-2021  
 PI: Mohammad Alkawaldeh, Ph.D., MSN/NI, RN  
 Title: *Impact of COVID-19 on Prenatal and Postpartum Care.*  
 The goal of this project is to examine the impact of the COVID-19 pandemic on prenatal and postpartum care at the department of OBGYN.  
 Total, direct & indirect costs: \$5000  
 Role: PI/Director (50% effort)

7. Agency: Internally funded, Boston Children's Hospital 2015-2019  
 PI: Mohammad Alkawaldeh, PhD  
 Title: Boston Children's Hospital- Vascular Anomalies Online Case Review.  
 The goal of this project is to establish an online application for the Vascular Anomalies Center to collect medical information regarding national and international rare vascular anomalies cases.  
 Total, direct & indirect costs: \$30,000  
 Role: PI (30% effort)
8. Agency: Internally funded, Boston Children's Hospital 2015-2018  
 PI: Dr. Denise Adams, MD, PhD  
 Title: *Pain and Functional Impairment Assessment Pre-Post Treatments for Patients Diagnosed with FAVA*  
 The goal of this project is to learn about patient-reported outcomes of various physical and mental health measures to determine what treatments are most helpful to patients and the duration of the effects of these treatments.  
 Total, direct & indirect costs: \$6,000  
 Role: Co-Investigator (10% effort)
9. Agency: Internally funded, Boston Children's Hospital 2016-2018  
 PI: Dr. Carlos Estrada, MD, Ph.D. Title: *A Neuropsychological Patient Registry Collecting Longitudinal Neurodevelopmental Data on Infant and Toddlers with Spina Bifida*  
 To collect neuropsychological data on patients with SB conditions who underwent shunt insertion or ETV.  
 Total direct & indirect costs: \$10,000  
 Role: Clinical Research Coordinator (5% effort)
10. Agency: Internally funded, Boston Children's Hospital 2015-2017  
 PI: Dr. Carlos Estrada, MD, PhD  
 Title: *Boston Children 's Hospital-Spina Bifida Patient Registry (BCH-SBPR)*  
 The goal of this project is to establish a patient registry and collect highly granular data on Spina Bifida patients.  
 Total, direct & indirect costs: \$180,000  
 Role: Co-Investigator (50% effort)
10. Agency: Internally funded, Boston Children's Hospital 2014-2017  
 PI: Dr. Carlos Estrada, MD, PhD  
 Title: *Boston Children 's Hospital-Spina Bifida Patient Registry (BCH-SBPR)*  
 The goal of this project is to establish a patient registry and collect highly granular data on Spina Bifida patients.  
 Total, direct & indirect costs: \$180,000  
 Role: Co-Investigator (50% effort)



11. Agency: Internally funded, UMass College of Nursing  
 PI: Mohammad Alkawaldeh, PhD  
 Title: Tablet-based Self-management Intervention for Diabetes Mellitus Type 11 Patients: Usability and Efficacy of The ASSISTwe11 Application  
 The purpose of this research is to assess the usability of the ASSISTwell application in an older adult population with Diabetes Type II (DMII) and explore whether the application can effectively enhance DMII patients' self-management.  
 Total, direct & indirect costs: \$5,000  
 Role: PI (80% effort)

## **Scholarships**

### ***Peer-reviewed publications***

1. **Alkawaldeh, M** & Moore Simas, T. (In review). Providers' experiences with telehealth provision of obstetrics care: a qualitative study. *BMC Health Services Research*.
2. **Alkawaldeh, M**; Moore Simas, T & Yeboah, T. (In review). Patients' experiences with telehealth provision of obstetrics care: a qualitative study. *BMC Public Health*.
3. **Alkawaldeh, M**; Moore Simas, T & Leung, K. (In review). Racial and sociodemographic disparities in telehealth access and utilization during the COVID-19 pandemic. *Journal of Racial and Ethnic Disparities*.
4. **Alkawaldeh, M**; Moore Simas, T & Byatt, N. (In review). Racial disparities in diagnosis and treatment of depression: a cross-sectional analysis. *Journal of Racial and Ethnic Disparities*.
5. **Alkawaldeh, M**; Moore Simas, T, Byatt, N; Brenckle, L. (In review). **Effects** of the **COVID-19** pandemic on the support system and social determinants of health in pregnant and postpartum women: a qualitative study. *Journal of Psychiatric Research*.
6. **Alkawaldeh, M**; Moore Simas, T, Byatt, N; Brenckle, L. (In review). **Effects** of the **COVID-19** pandemic on mental health and access to healthcare in pregnant and postpartum women: a qualitative study. *Journal of Psychiatric Research*.
7. **Alkawaldeh, M**; Moore Simas, T, Byatt, N; Brenckle, L. (In review). Impact of the COVID-19 pandemic on mental health, access to care, and health disparities in the perinatal and postpartum period. *Journal of Psychiatric Research*.
8. **Alkawaldeh, M** & Moore Simas, T. (In review). Telehealth in the era of COVID-19: OBGYN telehealth services. *Journal of Obstetrics, gynecology & Neonatal Nursing*.
9. **Alkawaldeh, M**; **Almatarneh, S**; Moore Simas, T. (In review). Using Natural Language Processing in Epic to identify prenatal and postpartum women with depression behaviors. *European Journal of Epidemiology*.
10. **Alkawaldeh, M**; **Brewer, K**; Moore Simas, T. (In review). The role of telehealth in Obstetrics and Gynecology during COVID-19 outbreak: A systematic review. *BMC Public Health*.
11. **Alkawaldeh, M** & Moore Simas, T. (In review). Telehealth in Obstetrics and Gynecology: Tips for using a new modality. *BMC Public Health*.
12. Szymanski K; Adams C; **Alkawaldeh M**; Austin P; Bowman R; Castillo J; Chu D; Estrada C; Fascelli M; Frimberger D; Gargollo P; Hamdan D; Hecht S; Hopson B; Husmann D; Jacobs M; MacNeily A; McLeod D. (In review). Causes of death among people with spina bifida due to myelomeningocele: a multi-institutional international retrospective study. *The Journal of Pediatric Urology*.
13. Verda B; McNamara E, Finklestein J, Wang H; **Alkawaldeh M**, Nelson C & Estrada C. (In review). Characterizing the relationship between lesion type, functional level and bladder

hostility among infants with spinal cord dysraphism based on two distinct CDC National Spina Bifida Patient Registry (NSBPR) definitions for bladder hostility. *The Journal of Pediatric Urology*.

14. **Alkawaldeh, M.**, Jacelon, C. & Choi, J. (In review). Meta-Synthesis: The Meaning of Self-Management for Chronic Conditions. *Nursing Forum*.
15. **Alkawaldeh, M. Y.**, Choi, J., & Jacelon, C. S. (2020). A diabetes self-management tablet-based application for older adults with type 2 diabetes: The ASSISTwell pilot study. *Geriatric nursing* (New York, NY), 41(6), 839-845.
16. **Alkawaldeh, M;** Choi, J & Jacelon, CS. (2020). Usability Testing of a Tablet-based Self-management Application for Older Adults with DMII: The ASSISTwell Application. *Gerontechnology*. 20(1):1-13. DOI:[10.4017/gt.2020.20.399.08](https://doi.org/10.4017/gt.2020.20.399.08)
17. **Alkawaldeh, M. Y.**, Jacelon, C. S., & Choi, J. (2020). Older adults' experiences with a tablet-based self-management intervention for diabetes mellitus type II: A qualitative study. *Geriatric Nursing*, 41(3), 305-312.
18. Han, H.R., McKenna, S., Nkimbeng, M., Wilson, P., Rives, S., Ajomagberin, O., **Alkawaldeh, M.**, Grunstra, K., Maruthur, N., and Sharps, P. A Systematic Review of Community Health Center-Based Interventions for People with Diabetes. *Journal of Community Health*, pp.1-28, (2019)
19. Jacelon, CS; LeBlanc, R; **Alkawaldeh, M;** Ridgway, JVER; Marquard, J; Choi, J. Developing ASSISTwell, a Tablet Application to Support Older Adult's Self-management of Symptoms of Chronic Conditions. (2018) *Gerontechnology*: 17(1) (DOI 10.1111/opn.12191) (2018)
20. **Alkawaldeh, M.**, Jacelon, C. & Choi, J. "Meta-Synthesis: The Meaning of Self-Management". *Nursing Research*: (Vol. 66, No.2) E95-E95. (2017)
21. **Alkawaldeh, M.**, Jacelon, C. & Choi, J. "Tablet-Based Self-Management Intervention for Diabetes Mellitus Type II Patients: Usability and Efficacy of the ASSISTwell Tool". *Nursing Research* (Vol. 66, No.2) E96-E96. (2017)
22. **Alkawaldeh, M.** Tablet-Based Self-Management Intervention for Diabetes Mellitus Type II Patients: Usability and Efficacy of the ASSISTwell Tool. *Doctoral Dissertations*. 1022 (2017)
23. Jacelon, CS, Ridgway, JVE, Choi, J., and **Alkawaldeh, M.** Participatory Development of ASSISTwell, a Self-management Application, *Gerontechnology*, 15(suppl), 128s. (2016)

### ***Books & Chapters***

1. Alkawaldeh M, Moor Simas T. Basic Steps to Developing a Successful Clinical Research Program. (In preparation). Philadelphia: Lippincott Williams and Wilkins.

### ***Published Abstracts***

1. **Alkawaldeh M;** Lee A MD(c); Moore Simas T; Leung K..Racial and sociodemographic disparities in telehealth access and utilization during the COVID-19 pandemic. 2020 University of Massachusetts Medical School Research Retreat.  
[https://scholarship.umassmed.edu/cgi/viewcontent.cgi?article=1014&context=research\\_retreat](https://scholarship.umassmed.edu/cgi/viewcontent.cgi?article=1014&context=research_retreat)
2. **Alkawaldeh M;** Moore Simas T; Leung K; Yeboah T; & Brewster H. Telehealth in the era of COVID-19: OB/GYN telehealth services. 2020 University of Massachusetts Medical School Research Retreat.  
[https://scholarship.umassmed.edu/cgi/viewcontent.cgi?article=1014&context=research\\_retreat](https://scholarship.umassmed.edu/cgi/viewcontent.cgi?article=1014&context=research_retreat)
3. **Alkawaldeh M;** Moore Simas T; Yeboah T. Obstetrics and gynecology providers' experiences with telehealth services during the COVID-19 pandemic. 2020 University of Massachusetts Medical

School Research Retreat.

[https://escholarship.umassmed.edu/cgi/viewcontent.cgi?article=1014&context=research\\_retreat](https://escholarship.umassmed.edu/cgi/viewcontent.cgi?article=1014&context=research_retreat)

4. **Alkawaldeh, M; Lee, A; Moore Simas, T** (2021). (Poster). Racial and Sociodemographic Disparities in Telehealth Access and Utilization During the COVID-19 Pandemic. ENRS Supplemental Journal for Conference Abstracts. Nursing Research, 70(3), E112.  
<https://doi.org/10.1097/NNR.0000000000000507>
5. **Alkawaldeh, M; Lee, A; Moore Simas, T** (2021). (Poster). Obstetrics and Gynecology Telehealth Services in the Era of COVID-19: A Cross-Sectional Web Survey. ENRS Supplemental Journal for Conference Abstracts. Nursing Research, 70(3), E112.  
<https://doi.org/10.1097/NNR.0000000000000507>
6. **Alkawaldeh, M; Lee, A; Moore Simas, T** (2021). (Poster). Obstetrics and Gynecology Providers' Experiences with Telehealth Services During the COVID-19 Pandemic: A Qualitative Study. ENRS Supplemental Journal for Conference Abstracts. Nursing Research, 70(3), E112.  
<https://doi.org/10.1097/NNR.0000000000000507>.
7. Han, H. R., McKenna, S., Nkimbeng, M., Wilson, P., Rives, S., Ajomagberin, O., **Alkawaldeh, M.**, Grunstra, K., & Sharps, P. (2019). (Presentation) A Systematic Review of Community Health Center- Based Interventions for People with Diabetes. <http://hdl.handle.net/10755/17931>
8. **Alkawaldeh, M.**, Jacelon, C., & Choi, J. (2019). (Presentation). The ASSISTwell Application. Usability testing of a Tablet-Based Self-management Application for Older Adults With DMII. Sigma's 30<sup>th</sup> International Nursing research Congress. Calgary, Canada (Abstract published).  
<https://sti.confex.com/sti/congrs19/webprogram/Paper94687.html>
9. Verda, B., McNamara, E., Finklestein, J., Wang, H., **Alkawaldeh, M.**, Nelson, C. & Estrada, C. (Poster) Characterizing the relationship between lesion type, functional level and bladder hostility among infants with spinal cord dysraphism based on two distinct CDC National Spina Bifida Patient Registry (NSBPR) definitions for bladder hostility. The Societies for Pediatric Urology. The 66<sup>th</sup> Annual Meeting. Francisco, CA. <https://spuonline.org/abstracts/2018/61.cgi>
10. **Alkawaldeh, M.**, Sherlock, R., Carlos, E., & Alkawaldeh, E. (2017). An Innovative Nurse-Managed Transition Clinic for Adolescents and Young Adults with Spina Bifida: A Pilot Study. UMass Center for Clinical and Translational Science Research Retreat. 9.  
[https://escholarship.umassmed.edu/cts\\_retreat/2017/posters/9/](https://escholarship.umassmed.edu/cts_retreat/2017/posters/9/)
11. **Alkawaldeh, M.**, Sherlock, R., Carlos, E., & Alkawaldeh, E. (2017). The BCH-SBPR: A Multi-disciplinary Registry Collecting Longitudinal Data on Patients with Spina Bifida. UMass Center for Clinical and Translational Science Research Retreat. 10.  
[https://escholarship.umassmed.edu/cts\\_retreat/2017/posters/10/](https://escholarship.umassmed.edu/cts_retreat/2017/posters/10/)
12. **Alkawaldeh, M.**, Cynthia, J., Choi, J., Marquard, J., & Ridgway, J. (2017). The Effectiveness of Tablet-based Application for Older Adults with Diabetes Mellitus Type II: A Pilot Study. UMass Center for Clinical and Translational Science Research Retreat  
[https://escholarship.umassmed.edu/cts\\_retreat/2017/posters/11/](https://escholarship.umassmed.edu/cts_retreat/2017/posters/11/)

## **OTHER PRESENTATIONS, POSTERS & ABSTRACTS**

### ***International Presentations, Posters & Abstracts***

1. Han, H. R., McKenna, S., Nkimbeng, M., Wilson, P., Rives, S., Ajomagberin, O., **Alkawaldeh, M.**, Grunstra, K., & Sharps, P. (2019). (Presentation) A Systematic Review of Community Health Center Based Interventions for People with Diabetes. Sigma's 30<sup>th</sup> International Nursing research Congress. Calgary, Canada (Abstract published). July 2019

2. Jacelon, CS; Ridgway, JVE; Choi, J; **Alkawaldeh, M**, (Presentation), Participatory Development of ASSISTwell, a Self-management Application. The 10th World conference of Geotechnology': Sustainable Humanity. France (abstract published). September 2016

### *National Presentations, Posters & Abstracts*

1. Morhard, D., Khoshbin, S., Warf, B., **Alkawaldeh, M.**, Nelson. C, Estrada. C, & Bauer, S. (Poster) Secondary Tethering and Urodynamic Findings after Prenatal Closure for Myelomeningocele. The Societies for Pediatric Urology. The 67<sup>th</sup> Annual Meeting. Scottsdale, AZ. September 2019.
2. Verda, B., McNamara, E., Finklestein, J., Wang, H., **Alkawaldeh, M.**, Nelson, C. & Estrada, C. (Poster) Characterizing the relationship between lesion type, functional level and bladder hostility among infants with spinal cord dysraphism based on two distinct CDC National Spina Bifida Patient Registry (NSBPR) definitions for bladder hostility. The Societies for Pediatric Urology. The 66<sup>th</sup> Annual Meeting. Francisco, CA. May 2018
3. **Alkawaldeh, M.**, Queally, J., & Estrada, C. (Poster) A Neuropsychological Patient Registry Collecting Longitudinal Neurodevelopmental data on infant and Toddlers with Spina Bifida. Third World Congress on Spina Bifida Research and Care. March 18, 2017 San Diego, CA. March 2017.
4. **Alkawaldeh, M.**, Estrada, C. & Sherlock, R. (Poster)The Boston Children's Hospital Spina Bifida Patient Registry: A Multi-disciplinary Registry Collecting Longitudinal Data on Patients with Spina Bifida. Third World Congress on Spina Bifida Research and Care. San Diego, CA. March 2017.
5. Queally, J; **Alkawaldeh, M** & Estrada, C. (Presentation), Developing a Systematic Neurodevelopmental Monitoring Program for Infant and Toddlers with Spina Bifida: Why Is It Important? Third World Congress on Spina Bifida Research and Care. San Diego, CA. March 2017.
6. Smith, K; **Alkawaldeh, M**; Betz, C; Bowman, R; Castillo, H; Castilo, J; Cheng, E; Clayton, J; Estrada, C; Freeman, K; Liu, T; Meyer, T; Speybroeck, A; Thibadeau, J; Tu, D; Walker, W & Yerkes, E., (Presentation), Differences in Continence Rates in Individuals with Spina Bifida Based on Ethnicity. Third World Congress on Spina Bifida Research and Care. San Diego, CA. September 2016.
7. Walker, J; **Alkawaldeh, M**, Lobelo, A; Jones, K., (Presentation), Measurement of Sociodemographic Variables in Nursing Research: Critical Analysis of Studies Published in 2014. 2016 State of the Science Congress on Nursing Research: Determinants of Heath in September. Washington, DC (abstract published). October 2016.

### *Regional Presentations, Posters & Abstracts*

1. **Brewer, K; Alkawaldeh, M**; Moore Simas, T. The role of telehealth in Obstetrics and Gynecology during COVID-19 outbreak: A systematic review. 2021. University of Massachusetts summer Research and Curriculum Exploration (RCE) program.
2. **Gupta A; Alkawaldeh, M**; Moore Simas, T. The Impact of Spinning Babies ® on Childbirth Outcomes among Nulliparous Birthing Persons. 2021. University of Massachusetts summer Research and Curriculum Exploration (RCE) program.

3. Spalding H; **Alkawaldeh M**; Moore Simas T. Racial disparities and depression screening and treatments: a cross-sectional analysis of pregnant and postpartum depressed women. 2020. University of Massachusetts summer Research and Curriculum Exploration (RCE) program.
4. Olmsted M; **Alkawaldeh M**; Moore Simas. Telehealth for OB/GYN patients in the time of COVID-19. 2020. University of Massachusetts summer Research and Curriculum Exploration (RCE) program.
5. **Alkawaldeh M**; Choi J; Jacelon C; Marquard J & Ridgway J., (Poster), Tablet-Based Technology for Diabetes Mellitus Type II Self-Management: The ASSISTwell Application. New England Doctoral Student Conference. Rivier University, Nashua, NH. March 2017.
6. **Alkawaldeh M** & Choi J., (Poster), Usability of Self-Management Technological Applications: A Literature Review. New England Doctoral Student Conference. Rivier University, Nashua, NH. March 2017.
7. Al-Qadi, M & **Alkawaldeh, M.**, The Impact of Training Program on Nurses' Attitudes Toward Workplace Violence in Jordan. New England Doctoral Student Conference. Rivier University, Nashua, NH. March 2017
8. **Alkawaldeh, M**; Estrada C & Sherlock, R., The BCH-SBPR: A Multi-disciplinary Registry Collecting Longitudinal Data on Patients with Spina Bifida. New England Doctoral Student Conference. Rivier University, Nashua, NH. March 2017.
9. **Alkawaldeh M**; Choi J; Jacelon C; Marquard J & Ridgway J., (Poster), Tablet-Based Self-Management Intervention for Diabetes Mellitus Type II Patients: Usability and Efficacy of the ASSISTwell Application. Eastern Nursing Research Society: The 29<sup>th</sup> Annual Scientific Sessions. Philadelphia, PA. April 2016.
10. **Alkawaldeh M**; Jacelon C & Choi J., (Poster), Meta-Synthesis: The Meaning of Self-Management. Eastern Nursing Research Society: The 29<sup>th</sup> Annual Scientific Sessions. Philadelphia, PA. April 2016.
11. **Alkawaldeh M**; Choi J; Jacelon C; Marquard J & Ridgway J.,(Poster), Tablet-Based Self-Management Intervention for Diabetes Mellitus Type II Patients: The ASSISTwell Application. Personal Health Monitoring, Institute for Applied Life Sciences, Amherst, MA. October 2016.
12. Adams, D; Fishman, S, Mulliken, J; Alomari, A & **Alkawaldeh, M.**, (Poster), The Vascular Anomalies Center (VAC) at Boston Children's Hospital: The Journey to a Comprehensive QIU Dashboard. The 2016 Elma leadership Forum, Boston, MA. April 2016.

**Academic Services**

***Internal Administration and Service/ Department***

- |  |                        |
|--|------------------------|
| 1. Spina Bifida Center Adult Patients Advisory Council (Director), Boston Children’s Hospital, Boston, MA        | 2019-2020t             |
| 2. Mentoring Network Group (Member), Harvard Medical School, Cambridge, MA.                                      | 2018-2019<br>2018-2019 |
| 3. Search Committee (Member) for Quality Improvement Specialist at Boston Children’s Hospital, Boston, MA        | 2018-2020              |
| 4. Clinical Research Committee (Member). Spina Bifida Center, Boston Children’s Hospital, Boston, MA.            | 2015-2020              |
| 5. Transition to Adult Care Advisory Group (Member). Spina Bifida Center, Boston Children’s Hospital, Boston, MA |                        |

***Internal Administration and Service/ School***

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|---|-----------|
| 1. Research Career Award (K Award) Club (Member), UMass Medical School, Worcester, MA | 2020-2021 |
| 2. ASSISTwell Advisory Group (Member). UMass Amherst, Amherst, MA                     | 2015-2017 |

***Professional Memberships and Activities***

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|--|--------------|
| 1. CDC National Spina Bifida Association and National Spina Bifida Quality of Life Working Group, Member | 2018-2021    |
| 2. CDC National Spina Bifida Patient Registry Working Group, Member                                      | 2015-2021    |
| 3. Nursing Informatics Association, Member   | 2015-Present |
| 4. Eastern Nursing Research Society, Member  | 2014-present |
| 5. Sigma Theta large Chapter, Member   | 2014-present |
| 6. American Medical Informatics Association, Member  | 2014-present |

***Editorial Responsibilities***

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| 1. Chief Editor, Journal of Medical and Advanced Clinical Case Reports         | 2020-present |
| 2. Editorial Board Member, American Journal of Nursing Science                 | 2020-present |
| 3. Editorial Board Member, Clinical Medical Reviews and Case Reports           | 2019-present |
| 4. Editorial Board Member, Journal of Medical & Advanced Clinical Case Reports | 2019-present |
| 5. Editorial Board Member, Journal of Diabetes Research and Metabolism         | 2020-Present |

***External Professional Service/ International***

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| 1. University of Calgary-Qatar Seed Grant Reviewer, Qatar  | 2018-2019    |
| 2. Jordan Nurses & Midwives Council (Member), Jordan Amman | 2008-present |

***External Professional Service/ National***

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|--|--------------|
| 1. Eastern Nursing Research Society Conference Reviewer                  | 2020-Present |
| 2. Clinical Research Consultant for Iterative Scopes, Boston, MA         | 2019-2020    |
| 3. Clinical Research and Digital Trials Consultant, Gerson Lehrman Group | 2019-present |

**Professional Development**

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|---|------|
| 1. Lean Six Sigma Whit Belt   | 2021 |
| 2. Instructional design for e-learning  | 2021 |
| 3. Leadership and Management Mentoring Program (Harvard Medical School, Boston Children’s Hospital), Boston, MA.  | 2019 |
| 4. Introduction to Qualitative methodologies. Sponsored by Boston Children's Hospital/Harvard Medical School. Faculty; David Williams, PhD. Boston Children's Hospital, Boston, MA.   | 2019 |
| 5. NIH Electronic Grant Submission. Sponsored by Boston Children's Hospital/Harvard Medical School. Boston Children's Hospital, Boston, MA.   | 2019 |
| 6. PIVOT, Johns Hopkins University, Baltimore, MD.  | 2018 |
| 7. Clinical Research Trials, Johns Hopkins University, Baltimore, MD.   | 2018 |
| 8. Survey Research: Design, Implementation and Analysis. Sponsored by Boston Children's Hospital/Harvard Medical School. Faculty; David Williams, PhD & Kathryn Williams, MS. Boston Children's Hospital, Boston, MA.   | 2017 |
| 9. Designing for People: Personal Health Monitoring Device Usability Workshop. Sponsored by the NIH P20-funded UManage Center. Faculty: Jenna Marquard, Associate Professor of Industrial Engineering. University of Massachusetts, Amherst, MA.  | 2017 |
| 10. Strategies for Academic Success: Quality Improvement. Sponsored by Boston Children's Hospital/Harvard Medical School. Faculty: Jon Finkelstine, MD, Vice Chair for Quality & Outcomes; Health Services Research Training Program; James Moses, MD, Associate Chief Quality Officer, Boston Medical Center & Melissa Sundberg, MD, Faculty, Pediatric Emergency Medicine and alumni, Harvard Medical | 2017 |

- School Patient Safety and Quality Fellowship. Boston Children's Hospital, Boston, MA.
11. Human Subject Research and NIH Clinical Research training, Boston Children's Hospital, Boston, MA. 2017
  12. Qualtrics Survey Software training, Boston Children's Hospital, Boston, MA. 2016
  13. STATA training, Boston Children's Hospital, Boston, MA. 2016
  14. Intermediate SAS training, Boston Children's Hospital, Boston, MA. 2015
  15. Introduction to SAS training, Boston Children's Hospital, Boston, MA. 2015
  16. Introduction to Statistics for Health Research, University of Massachusetts, Amherst, MA. 2015
  17. Intermediate Statistics, University of Massachusetts, Amherst, MA. 2015
  18. Nursing Informatics (University of Utah), Salt Lake City, UT. 2014