

**Cell phone:** +966 (55) 549-9975 (Saudi)  
+1 (503) 683-3332 (USA)  
**Office:** +966 (11) 806-8301  
**Assistant:** +966 (11) 806-8302  
**Fax:** +966 (11) 467-1967  
**Email:** [amrjamal@ksu.edu.sa](mailto:amrjamal@ksu.edu.sa)  
[a.jamal@scfhs.org.sa](mailto:a.jamal@scfhs.org.sa)  
[ajamal@cbahi.gov.sa](mailto:ajamal@cbahi.gov.sa)  
[ajamal@scot.gov.sa](mailto:ajamal@scot.gov.sa)  
[amrjamal@gmail.com](mailto:amrjamal@gmail.com)  
**Website:** <http://faculty.ksu.edu.sa/amrjamal>  
**LinkedIn:** <http://www.linkedin.com/in/amrjamal>  
**Mail:** P. O. Box 2925 (Internal Code 34),  
Riyadh 11461, Saudi Arabia



## Biography

Amr has been a professor and a practicing attending family physician and clinical informatician for 15 years. He has been the chairman of the family & community medicine department at King Saud University, RIYADH, Saudi Arabia, since 2018. He holds three boards in family practice and a Master of Biomedical & health informatics from Oregon Health & Science University in Portland, Oregon. Amr is a core faculty member at King Saud University, teaching clinical informatics, family practice, research methodology, and medical ethics courses. Amr was the founding program director of the Master of Health Informatics at King Saud University from 2012 to 2017. He has supervised King Saud University Research Chair for Evidence-Based Healthcare & Knowledge Translation and the Steering Committee for Clinical Practice Guidelines in King Saud University Medical City since 2018. Besides, he has worked as the General Supervisor of the Digital Transformation Strategy and the chairman of the National Health Informatics scientific committee in the Saudi Commission for Health Specialties, Riyadh, Saudi Arabia, since 2016. Also, he is the primary-healthcare surveyors' team leader (PHC-STL) in the Saudi Central Board for Accreditation of Health Care Institutions (CBAHI), Riyadh, Saudi Arabia. Amr represents the Ministry of Education in the Saudi National Center for Health Information and The National Center for Evidence-based Health Practice, Saudi Health Council. He has been elected as the chairman of the scientific committee of the HIMSS-Middle east Conferences since 2018. He has been a founding member and chair of the scientific committee of the GCC Taskforce on Workforce Development in Digital Healthcare (ZIMAM) since 2016. He was involved in the planning and implementation the electronic health records in three healthcare organizations in the country and the health-sciences content in the Saudi Digital Library (SDL).

## Appointments

**Aug. 2021 – Now** **Professor of Family Medicine and Clinical Informatics**  
King Saud University (KSU), College of Medicine, Department of Family & Community Medicine, Riyadh

**May 2018 – Now** **Chairman**  
King Saud University (KSU), College of Medicine, Department of Family & Community Medicine, Riyadh

Mar. 2017 – May 2018	<b>Deputy Chairman</b> King Saud University (KSU), College of Medicine, Department of Family & Community Medicine, Riyadh
Oct. 2016 – Aug. 2021	<b>Associate Professor of Family Medicine and Clinical Informatics</b> King Saud University (KSU), College of Medicine, Department of Family & Community Medicine, Riyadh
Sep. 2012 – Apr. 2017	<b>Founding Program Director, Master of Health Informatics track</b> King Saud University (KSU), Master of Public Health Joint program, Riyadh
Apr. 2012 – Oct. 2015	<b>Head of Medical Informatics and e-Learning Unit</b> King Saud University (KSU), College of Medicine, Department of Medical Education, Riyadh
Oct. 2011 – Now	<b>Certified Family Medicine Trainer and Examiner</b> Saudi Commission for Health Specialties, Saudi Board of Family Medicine
Mar. 2011 – Apr. 2012	<b>Deputy Head of Medical Informatics and e-Learning Unit</b> King Saud University (KSU), College of Medicine, Department of Medical Education, Riyadh
May. 2009 – Oct. 2016	<b>Assistant Professor of Family Medicine and Clinical Informatics</b> King Saud University (KSU), College of Medicine, Department of Family & Community Medicine, Riyadh
Apr. 2009 – Now	<b>Consultant Family Physician</b> King Saud University (KSU), King Khalid University Hospital (KKUH), Primary Care Clinics, Riyadh
Nov. 2008 – Apr. 2009	<b>Senior Registrar Family Physician</b> King Saud University (KSU), King Khalid University Hospital (KKUH), Primary Care Clinics, Riyadh
Oct. 2007 – Sep. 2008	<b>Chief Resident</b> National Guard Health Affairs, King Abdul-Aziz Medical City (KAMC), Department of Family & Primary Health Care (PHC), Riyadh
Jul. 2004 – Sep. 2008	<b>Resident in Family Medicine</b> King Saud University (KSU), College of Medicine, Department of Family & Community Medicine, Riyadh

## Leadership, Management and Administrative Experience

Apr. 2022 – Now	<b>Certified Institutional and Program Accreditation Surveyor</b> Saudi Commission for Health Specialties (SCFHS), Riyadh, Saudi Arabia
Jan. 2021 – Now	<b>Board Member - HIMSS EMEA Board of Advisors</b> Healthcare Information Management Systems Society (HIMSS), Chicago, IL, USA <a href="https://www.himss.eu/about-himss/governing-council">https://www.himss.eu/about-himss/governing-council</a>
Oct. 2020 – Now	<b>Primary Health Care Surveyors Team Leader (PHC-STL)</b> Saudi Central Board for Accreditation of Health Care Institutions (CBAHI), Riyadh

- Nov. 2019 – Now **HIMSS Future50 - Healthcare IT Leader**  
Healthcare Information Management Systems Society (HIMSS), Chicago, IL, USA  
<https://www.himssme.org/middle-east/2019/himss-future50-international>
- Aug. 2018- Now **Supervisor**  
Research Chair for Evidence-Based Health Care and Knowledge Translation, Deanship of Scientific Research, King Saud University, Riyadh
- Aug. 2018- Now **Board Member of the Scientific Committee and the Representative of the Ministry of Higher Education**  
The National Evidenced-Based Health Practice Center, Saudi Health Council (SHC), Riyadh
- Dec. 2017 – Now **Chairman of the scientific committee**  
HIMSS Saudi 2018 - 2022 Conferences
- Nov. 2016 – Now **Founding Member, Chair of the Scientific Committee**  
GCC Taskforce on Workforce Development in Digital Healthcare (ZIMAM), Dubai, United Arab Emirates  
◆ Initiated several programs to improve the eHealth skills and competencies in the fields of Health Informatics, Health Information Management and Health Information Technology through continuous training and career development pathways.
- Oct. 2016 – Now **Secretary General Advisor, General Supervisor of the Digital Transformation Strategy**  
Saudi Commission for Health Specialties (SCFHS), Riyadh Saudi Arabia  
◆ Advisor and team leader for the e-learning development, online CME/CPD accreditation and digital transformation projects
- Dec. 2014 – Now **Editor**  
Journal of Health Informatics in Developing Countries (JHIDC)
- Dec. 2014 – Now **Active Surveyor for health care facilities seeking accreditation**  
Saudi Central Board for Accreditation of Health Care Institutions (CBAHI)
- Apr. 2014 – Apr. 2015 **Advisor for the Vice-Rectorate for Health Specialties**  
Princess Nora Bint Abdulrahman University, Riyadh
- Nov. 2013- Now **Board Member of the Scientific Committee and the Representative of the Ministry of Higher Education**  
The National Health Information Center (NHIC), Saudi Health Council (SHC), Riyadh
- Aug. 2013 – May. 2015 **Member of the Medical Advisory Board for the Steering Committee of the Electronic Health Record Implantation Project (e-Sihi)**  
King Saud University Medical City, Riyadh
- Dec. 2012 – Now **Representative of the Ministry of Higher Education in the Unified Medical Record Project**  
The Saudi Counsel of Health Services, Riyadh
- Jan. 2012 – Mar. 2014 **Vice Rector Advisor for Health Specialties**  
Advisory Committee, Vice Rectorship for Health Specialties, King Saud University, Riyadh
- Aug. 2011 – Oct. 2013 **Advisor and Trainer for the Medical Content**  
Saudi Digital Library (SDL) at National Center for E-Learning & Distance Learning, Ministry of Higher Education, Riyadh

- Feb. 2011 – Mar. 2014 **Leader of the Media and Digital Content Improvement Team**  
Charitable Health Society for Patients Care (Enayah), Riyadh
- Jan. 2011 – Mar. 2014 **Chief Information Officer and Peer Reviewer**  
The Medical Ethics and Medical Jurisprudence Encyclopedia, Health Media, Riyadh
- Jun. 2016 – Jul. 2016, Feb. 2011 – Mar. 2011, Jun. 2009 – Oct. 2009 **Acting Chairman of Family and Community Medicine Department**  
King Saud University (KSU), College of Medicine
- Jun. 2009 – Jun. 2010 **Chief Executive Officer of the Health Promotion TV Chanel**  
Sponsored by the Saudi Society of Family and Community Medicine, Dammam, Saudi Arabia
- May. 2009 – Jan. 2010 **Head of the Organizing Committee of The Continuous Professional Development Course**  
King Saud University (KSU), College of Medicine in collaboration with the Royal College of General Practitioners (RCGP), UK
- May. 2009 – Now **Research Consultant**  
Princess Nora Bint Abdullah Chair for Women's Health, Riyadh
- Apr. 2009 – Now **Research Consultant**  
King Saud University Chair for Medical Education Research & Development, Riyadh

## Education

- Mar. 2012 – June. 2013 **Master of Biomedical Informatics (MBI)**  
Oregon Health & Science University (OHSU), Portland, OR, USA
- Jan. 2010 – Mar. 2011 **Graduate Certificate of Medical Informatics – Clinical Track**  
Oregon Health & Science University (OHSU), Portland, OR, USA
- July. 2009 – Nov. 2009 **AMIA 10x10 Course (Introduction to Biomedical & Health Informatics)**  
Oregon Health & Science University (OHSU), Portland, OR, USA
- Oct. 2004 – Dec. 2008 **Four-Year Structured Residency Training in Family Medicine**  
National Guard Health Affairs, King Saud bin Abdul-Aziz University for Health Sciences, King Abdul-Aziz Medical City (KAMC), Academic Affairs, Riyadh
- Oct. 2008 ♦ Best Resident of the Year Award (Oct. 07 – Sep. 08)
- Oct. 2007 – Sep. 2008 ♦ Chief Resident
- Jan. 2007 ♦ Co-examiner in the Introductory Course of family medicine Residency program
- Oct. 2006 – Sep. 2007 ♦ Organizer of the Half Day Release Course (HDRC) for Family Medicine Residents
- Mar. 2005 – Now ♦ Created & moderates National Guard Family Medicine Program (NGFMP) web site & mail group

- Feb. 2005 – ♦ Member of HDRC improvement committee
- Sep. 2008
- Oct. 2004 – ♦ Team Leader of the Half Day Release Course (HDRC) for Family Medicine Residents
- Sep. 2005
- Nov. 2004 – Bachelor of Law (part-time)
- Feb. 2009 Imam Muhammad ibn Saud Islamic University, Riyadh
- Jan. 2003 – Medical Internship
- Feb. 2004 King Khalid University Hospital (KKUH),  
King Abdul-Aziz University Hospital and  
National Guard Health Affairs, KAMC, Riyadh  
♦ CHIEF INTERN
- Jul. 1997 – Bachelor of Medicine and Surgery (MB BS)
- Jan. 2003 King Saud University (KSU), College of Medicine, Riyadh

## Qualifications

- Aug. 2021 Leading Digital Transformation in Health Care  
Harvard Medical School, Executive Education
- Jan. 2020 Good Clinical Practice (GCP) Certificate  
NIDA Clinical Trials Network  
♦ CTN Expiration Date: 30 January 2023
- Mar. 2019 Certified Professional in Health Information 2006-present Management Systems  
(CPHIMS)  
Healthcare Information Management Systems Society (HIMSS), Chicago, IL, USA  
♦ Certificate Number 700401465
- June. 2015 Master of Biomedical Informatics  
Oregon Health & Science University, Portland, OR, USA
- Dec. 2010 Graduate Certificate of Clinical Informatics  
Oregon Health & Science University, Portland, OR, USA
- Mar. 2009 MRCGP (International)  
Royal College of General Practitioners, London, UK
- Mar. 2009 Bachelor of Law  
Imam Muhammad ibn Saud Islamic University, Riyadh
- Feb. 2009 Arab Board of Family Medicine (ABFM)  
The Council of Arab Board of Medical Specializations
- Nov. 2008 Saudi Board of Family Medicine (SBFM)  
Saudi Commission for Health Specialties, Riyadh
- Jan. 2003 Bachelor of Medicine and Surgery (MBBS)  
King Saud University (KSU), College of Medicine, Riyadh  
♦ Comparable to a degree of Doctor of Medicine (MD) in North America according to the evaluation of  
my educational credentials by the American Association of Collegiate Registrars and Admissions  
Officers (AACRAO)

## Honors & Awards

- Oct. 2020 King Abdulaziz Medal of Merit of the Third Order for community service  
King Salman bin Abdulaziz, King of the Kingdom of Saudi Arabia
- Nov. 2019 HIMSS Future50 Award- Healthcare IT Leader  
Healthcare Information Management Systems Society (HIMSS), Chicago, IL, USA  
<https://www.himssme.org/middle-east/2019/himss-future50-international>
- Nov. 2015 National Research Grant as a Principal Investigator  
National Science, Technology and Innovation Plant, King Abdul-Aziz City for Science and Technology, Riyadh  
◆ Research Project 15-BIO4749-02 titled "Effects of electronic media and electronic games on children on Saudi Arabia"
- Feb. 2013 Distinguished Faculty Award - Outstanding Teaching  
King Saud University, College of Medicine
- Dec. 2012 Outstanding contribution in preparing and passing the accreditation from the American College of Surgeons Level One Comprehensive Education Institute  
King Saud University, College of Medicine
- May. 2009 The Representative of all Saudi Family Medicine Board Graduates to in front of the King of Saudi Arabia, King Abdullah bin Abdul-Aziz Al-Saud  
Saudi Commission for Health Specialties, Riyadh  
◆ During the 12th graduation ceremony of the Saudi Board
- Oct. 2008 Resident of the Year 2007-2008  
King Saud bin Abdul-Aziz University for Health Sciences, KAMC, Riyadh
- Oct. 2008 Best Post-Graduate Research Award  
King Saud bin Abdul-Aziz University for Health Sciences, KAMC, Riyadh  
◆ During the 11<sup>th</sup> Residents' day Symposium
- Sep. 2007 Appreciation of High HDRC Attendance (100%)  
Dr. Khalid Al-Jaber, Residency Training Program Director, Department of Family Medicine & PHC, KAMC  
◆ For the academic year Oct. 06- Sep. 07
- Feb. 2005 Certificate of Recognition - The best Presentation in the introductory course of family medicine program  
King Abdul-Aziz Medical City, Health Care Specialty Center, Riyadh
- Feb. 2004 Certificate of Appreciation  
Prof. Riyadh F. Talic, Chairman, Department of Surgery, College of Medicine, KSU  
◆ For obtaining an EXCELLENT report from my supervisors during internship training.
- Jul. 2003 Certificate of Gratitude and Recognition for sports activities participation  
Prof. Mohammed Al-Mugeirin, Dean, College of Medicine & Supervisor, University Hospitals, KSU



## Selected Publications

Updated list is available at

<http://orcid.org/0000-0002-4051-6592>  
<https://publons.com/researcher/2864054/amr-a-jamal/>  
<http://www.researcherid.com/rid/B-9495-2009>  
<https://king-saud.academia.edu/AmrJamal>  
<http://www.mendeley.com/profiles/amr-jamal>  
[https://www.researchgate.net/profile/Amr\\_Jamal](https://www.researchgate.net/profile/Amr_Jamal)  
<http://www.scopus.com/authid/detail.url?authorId=35487621700>  
<http://scholar.google.com/citations?user=e-bOc38AAAAJ>

### Selected Published Peer-reviewed Articles

1. Aljamaan F, Alenezi S, Alhasan K, Saddik B, Alhaboob A, Altawil ES, Jamal A, et al. Healthcare Workers' Worries and Monkeypox Vaccine Advocacy during the First Month of the WHO Monkeypox Alert: Cross-Sectional Survey in Saudi Arabia. *Vaccines*. 2022;10(9):1408.
2. Temsah MH, Aljamaan F, Alenezi S, Alhasan K, Saddik B, Al-Barag A, Jamal A, et al. Monkeypox caused less worry than COVID-19 among the general population during the first month of the WHO Monkeypox alert: Experience from Saudi Arabia. *Travel Med Infect Dis*. 2022;49:102426.
3. Jamal A, AlHokair A, Temsah M-H, Alsohime F, Al-Eyadhy A, El-Mouzan M, et al. Evaluation of the use of electronic growth charts customized for race and national values. *Journal of Nature and Science of Medicine*. 2022 July 1, 2022;5(3):286-91. doi: 10.4103/jnsn.jnsn\_89\_21.
4. Jamal A, Binkheder S, Aldekhyyel R, Almulhem J, Tharkar S, Batis A, et al. Bibliometric analysis of coronavirus disease 2019 medical research production from Saudi Arabia. *Journal of Nature and Science of Medicine*. 2022 April 1, 2022;5(2):109-19. doi: 10.4103/jnsn.jnsn\_91\_21.
5. Amer YS, Titi MA, Godah MW, Wahabi HA, Hneiny L, Abouelkheir MM, Jamal A, et al. International alliance and AGREE-ment of 71 clinical practice guidelines on the management of critical care patients with COVID-19: a living systematic review. *J Clin Epidemiol*. 2022 Feb;142:333-70. PMID: 34785346. doi: 10.1016/j.jclinepi.2021.11.010.
6. Aldekhyyel RN, Binkheder S, Aldekhyyel SN, Alhumaid N, Hassounah M, AlMogbel A, Jamal A. The Saudi Ministries Twitter communication strategies during the COVID-19 pandemic: A qualitative content analysis study. *Public Health in Practice*. 2022 2022/04/18/:100257. doi: <https://doi.org/10.1016/j.puhip.2022.100257>.
7. Jamal A, Al Ghamdi K, Tharkar S, Al-Rabiah I, Al-Shehri M, Al-Sahaf A, et al. Contemporary trends and ethical concerns in clinical photography in Saudi Arabia: A preliminary study. *Journal of Nature and Science of Medicine*. 2022 January 1, 2022;5(1):44-50. doi: 10.4103/jnsn.jnsn\_143\_20.
8. Temsah MH, Aljamaan F, Alenezi S, Alhasan K, Alrabiaah A, Assiri R, Jamal A, et al. SARS-CoV-2 Omicron Variant: Exploring Healthcare Workers' Awareness and Perception of Vaccine Effectiveness: A National Survey During the First Week of WHO Variant Alert. *Front Public Health*. 2022;10:878159. PMID: 35400032. doi: 10.3389/fpubh.2022.878159.
9. Temsah M-H, Alenezi S, Alarabi M, Aljamaan F, Alhasan K, Jamal A, et al. Healthcare Workers' SARS-CoV-2 Omicron Variant Uncertainty-Related Stress, Resilience, and Coping Strategies during the First Week of the World Health Organization's Alert. *International Journal of Environmental Research and Public Health*. 2022;19(4). doi: 10.3390/ijerph19041944.
10. Temsah M-H, Muaygil R, Al-Eyadhy A, Alhammad F, Aljmaan F, Alsohime F, Jamal A, et al. Caring for the sick healthcare worker during COVID-19 ethical considerations. *Teikyo Medical Journal*. 2022 February 1, 2022;45(01).
11. Temsah MH, Aljamaan F, Alhaboob A, Almosned B, Alsebaileh R, Jamal A, et al. Enhancing parental knowledge of childhood and adolescence safety: An interventional educational campaign. *Medicine (Baltimore)*. 2022 Jan 21;101(3):e28649. PMID: 35060555. doi: 10.1097/MD.00000000000028649.

12. Binkheder S, Aldekhyyel RN, AlMogbel A, Al-Twairish N, Alhumaid N, Aldekhyyel SN, [Jamal AA](#). Public Perceptions around mHealth Applications during COVID-19 Pandemic: A Network and Sentiment Analysis of Tweets in Saudi Arabia. *Int J Environ Res Public Health*. 2021 Dec 20;18(24). PMID: 34948997. doi: 10.3390/ijerph182413388.
13. Aljamaan F, Alkhattabi F, Al-Eyadhy A, Alhaboob A, Alharbi NS, [Jamal A](#), et al. Faculty Members' Perspective on Virtual Interviews for Medical Residency Matching during the COVID-19 Crisis: A National Survey. *Healthcare (Basel)*. 2021 Dec 22;10(1). PMID: 35052180. doi: 10.3390/healthcare10010016.
14. Alhazzani H, Alammari G, AlRajhi N, Sales I, [Jamal A](#), Almigbal TH, et al. Validation of an Arabic Version of the Self-Efficacy for Appropriate Medication Use Scale. *International Journal of Environmental Research and Public Health*. 2021;18(22):11983. PMID: doi:10.3390/ijerph182211983.
15. Temsah M-H, Alrabiaah A, Al-Eyadhy A, Al-Sohime F, Al Huzaimi A, Alamro N, [Jamal A](#), et al. COVID-19 Critical Care Simulations: An International Cross-Sectional Survey. *Frontiers in Public Health*. 2021 2021-September-21;9. doi: 10.3389/fpubh.2021.700769.
16. [Jamal A](#), Tharkar S, Babaier WS, Alsomali SF, Alsulayhim AS, Alayuni MA, et al. Blood Glucose Monitoring and Sharing Amongst People With Diabetes and Their Facilitators: Cross-sectional Study of Methods and Practices. *JMIR Diabetes*. 2021;6(4):e29178. PMID: 34704954. doi: 10.2196/29178.
17. Temsah M-H, Alhuzaimi AN, Aljamaan F, Bahkali F, Al-Eyadhy A, Alrabiaah A, [Jamal A](#), et al. Parental Attitudes and Hesitancy About COVID-19 vs. Routine Childhood Vaccinations: A National Survey. *Frontiers in Public Health*. 2021 2021-October-13;9. doi: 10.3389/fpubh.2021.752323.
18. Alammari G, Alhazzani H, AlRajhi N, Sales I, [Jamal A](#), Almigbal TH, et al. Validation of an Arabic Version of the Adherence to Refills and Medications Scale (ARMS). *Healthcare*. 2021;9(11):1430. PMID: doi:10.3390/healthcare9111430.
19. Almulhem JA, Aldekhyyel RN, Binkheder S, Temsah M-H, [Jamal A](#). Stress and Burnout Related to Electronic Health Record Use among Healthcare Providers during the COVID-19 Pandemic in Saudi Arabia: A Preliminary National Randomized Survey. *Healthcare*. 2021;9(10):1367. PMID: doi:10.3390/healthcare9101367.
20. [Jamal A](#), Tharkar S, Alenazi H, Julaidan BS, Al Hindawi DA, AlAkeel NS, et al. Usability Analysis of a Health Sciences Digital Library by Medical Residents: Cross-sectional Survey. *JMIR Form Res*. 2021 Jun 24;5(6):e23293. PMID: 34184992. doi: 10.2196/23293.
21. Temsah M-H, Alhboob A, Abouammoh N, Al-Eyadhy A, Aljamaan F, Alsohime F, [Jamal A](#), et al. Pediatric Intensive Care Hybrid-Style Clinical Round During COVID-19 Pandemic: A Pilot Study. *Frontiers in Pediatrics*. 2021 2021-August-19;9. doi: 10.3389/fped.2021.720203.
22. Alnobani O, Zakaria N, Temsah MH, [Jamal AA](#), Alkamel N, Tharkar S. Knowledge, Attitude, and Perception of Health Care Personnel Working in Intensive Care Units of Mass Gatherings Toward the Application of Telemedicine Robotic Remote-Presence Technology: A Cross-Sectional Multicenter Study. *Telemed J E Health*. 2021 Mar 9. PMID: 33691077. doi: 10.1089/tmj.2020.0469.
23. Almalki M, [Jamal A](#), Househ M, Alhefzi M. A multi-perspective approach to developing the Saudi Health Informatics Competency Framework. *Int J Med Inform*. 2021 Feb;146:104362. PMID: 33360116. doi: 10.1016/j.ijmedinf.2020.104362.
24. Titi MA, Alotair HA, Fayed A, Baksh M, Alsaif FAA, Almomani Z, [Jamal A](#), et al. Effects of Computerised Clinical Decision Support on Adherence to VTE Prophylaxis Clinical Practice Guidelines among Hospitalised Patients. *Int J Qual Health Care*. 2021 Mar 22;33(1). PMID: 33647102. doi: 10.1093/intqhc/mzab034.
25. Temsah MH, Barry M, Aljamaan F, Alhuzaimi AN, Al-Eyadhy A, Saddik B, [Jamal A](#), et al. SARS-CoV-2 B.1.1.7 UK Variant of Concern Lineage-Related Perceptions, COVID-19 Vaccine Acceptance and Travel Worry Among Healthcare Workers. *Front Public Health*. 2021;9:686958. PMID: 34123997. doi: 10.3389/fpubh.2021.686958.
26. Temsah MH, Barry M, Aljamaan F, Alhuzaimi A, Al-Eyadhy A, Saddik B, [Jamal A](#), et al. Adenovirus and RNA-based COVID-19 vaccines' perceptions and acceptance among healthcare workers in Saudi Arabia: a national survey. *BMJ Open*. 2021 Jun 21;11(6):e048586. PMID: 34155080. doi: 10.1136/bmjopen-2020-048586.
27. Temsah MH, Ashri A, Abouammoh N, Aleyadhy A, Alsohime F, Almazyad M, [Jamal A](#), et al. P0368 / #1873: Perceived Quality of Remote Handover Process during Covid-19 Crisis in Pediatric Intensive Care Setting: A



- Mixed-Method with Content Analysis. *Pediatr Crit Care Med*. 2021;22(Supplement 1 3S):193-4. PMID: 00130478-202103001-00426. doi: 10.1097/01.pcc.0000739812.37302.52.
28. Tamsah MH, Alruthia Y, Aleyadhy A, Abouammoh N, Alsohime F, Almazyad M, [Jamal A](#), et al. P0317 / #1844: Predictors and Direct Cost Estimation of Extended Length of Stay in Pediatric Intensive Care Units in Saudi Arabia: A Mixed Methods Study. *Pediatr Crit Care Med*. 2021;22(Supplement 1 3S):172-. PMID: 00130478-202103001-00375. doi: 10.1097/01.pcc.0000739608.00603.23.
29. Tamsah MH, Alkhatabi F, Aljamaan F, Alhasan K, Alherbish A, Philby M, [Jamal A](#), et al. Remote interviews for medical residency selection during the initial COVID-19 crisis: a national survey. *BMC Med Educ*. 2021 Aug 31;21(1):462. PMID: 34461872. doi: 10.1186/s12909-021-02890-7.
30. Tamsah MH, Al-Sohime F, Alhaboob A, Al-Eyadhy A, Aljamaan F, Hasan G, [Jamal A](#), et al. Adverse events experienced with intrahospital transfer of critically ill patients: A national survey. *Medicine (Baltimore)*. 2021 May 7;100(18):e25810. PMID: 33950984. doi: 10.1097/MD.00000000000025810.
31. Tamsah MH, Al Huzaimi A, Alrabiaah A, Alamro N, Al-Sohime F, Al-Eyadhy A, [Jamal A](#), et al. Changes in healthcare workers' knowledge, attitudes, practices, and stress during the COVID-19 pandemic. *Medicine (Baltimore)*. 2021 May 7;100(18):e25825. PMID: 33950990. doi: 10.1097/MD.00000000000025825.
32. Tamsah MH, Abouammoh N, Ashry A, Al-Eyadhy A, Alhaboob A, Alsohime F, [Jamal A](#), et al. Virtual Handover of Patients in the Pediatric Intensive Care Unit During the Covid-19 Crisis. *J Multidiscip Healthc*. 2021;14:1571-81. PMID: 34211276. doi: 10.2147/JMDH.S310028.
33. Tamsah MH, Abouammoh N, Al-Eyadhy A, AlRuthia Y, Hassounah M, Alsohime F, [Jamal A](#), et al. Predictors and Direct Cost Estimation of Long Stays in Pediatric Intensive Care Units in Saudi Arabia: A Mixed Methods Study. *Risk Manag Healthc Policy*. 2021;14:2625-36. PMID: 34188573. doi: 10.2147/RMHP.S311100.
34. Tamsah M-H, Alsohime F, Al-Eyadhy A, Hasan GM, Alhasan KA, [Jamal A](#). Comparison of conventional versus short training on Electronic Health Records among physicians at a tertiary, university hospital. *Comput Methods Programs Biomed*. 2021;205:105989.
35. Batais MA, Tamsah MH, AlGhofili H, AlRuwayshid N, Alsohime F, Almigbal TH, [Jamal A](#), et al. The coronavirus disease of 2019 pandemic-associated stress among medical students in middle east respiratory syndrome-CoV endemic area: An observational study. *Medicine (Baltimore)*. 2021 Jan 22;100(3):e23690. PMID: 33545936. doi: 10.1097/MD.00000000000023690.
36. Bashiri FA, Albatti TH, Hamad MH, Al-Joudi HF, Daghash HF, Al-Salehi SM, [Jamal A](#), et al. Adapting evidence-based clinical practice guidelines for people with attention deficit hyperactivity disorder in Saudi Arabia: process and outputs of a national initiative. *Child Adolesc Psychiatry Ment Health*. 2021 Feb 8;15(1):6. PMID: 33557914. doi: 10.1186/s13034-020-00351-5.
37. Barry M, Tamsah M-H, Alhuzaimi A, Alamro N, Al-Eyadhy A, Aljamaan F, [Jamal A](#), et al. COVID-19 vaccine confidence and hesitancy among health care workers: A cross-sectional survey from a MERS-CoV experienced nation. *PLoS One*. 2021;16(11):e0244415. doi: 10.1371/journal.pone.0244415.
38. Alshahrani A, [Jamal A](#), Tharkar S. How private are the electronic health records? Family physicians' perspectives towards electronic health records privacy. *Journal of Health Informatics in Developing Countries*. 2021;15(1).
39. AlRuthia Y, Alotaibi F, [Jamal A](#), Sales I, Alwhaibi M, Alqahtani N, et al. Cost Effectiveness of ACEIs/ARBs versus Amlodipine Monotherapies: A Single-Center Retrospective Chart Review. *Healthcare (Basel)*. 2021 Jun 25;9(7). PMID: 34202109. doi: 10.3390/healthcare9070798.
40. AlQuaiz AM, Alrasheed AA, Kazi A, Batais MA, Alhabeeb KM, [Jamal A](#), et al. Is 25-Hydroxyvitamin D Associated with Glycosylated Hemoglobin in Patients with Type 2 Diabetes Mellitus in Saudi Arabia? A Population Based Study. *Int J Environ Res Public Health*. 2021 Mar 10;18(6). PMID: 33801988. doi: 10.3390/ijerph18062805.
41. Tamsah MH, Alhuzaimi AN, Alamro N, Alrabiaah A, Al-Sohime F, Alhasan K, [Jamal A](#), et al. Knowledge, Attitudes, and Practices of Healthcare Workers During the Early COVID-19 Pandemic in a Main, Academic Tertiary Care Centre in Saudi Arabia. *Epidemiol Infect*. 2020 Aug 28;129:1-29. PMID: 32854806. doi: 10.1017/S0950268820001958.
42. Alkamel N, [Jamal A](#), Alnobani O, Househ M, Zakaria N, Qawasmeh M, et al. Understanding the stakeholders' preferences on a mobile application to reduce door to balloon time in the management of ST-elevated

- myocardial infarction patients – a qualitative study. BMC Medical Informatics and Decision Making. 2020 2020/08/31;20(1):205. doi: 10.1186/s12911-020-01219-6.
43. Tamsah MA, Al-Eyadhy AA, Al-Sohime FM, Hassounah MM, Almazyad MA, Jamal A, et al. Long-stay patients in pediatric intensive care units. Five-years, 2-points, cross-sectional study. Saudi Med J. 2020 Nov;41(11):1187-96. PMID: 33130838. doi: 10.15537/smj.2020.11.25450.
44. Wahabi HA, Fayed A, Esmaeil S, Elmorshedy H, Titi MA, Amer YS, Jamal A et al. Systematic review and meta-analysis of the effectiveness of pre-pregnancy care for women with diabetes for improving maternal and perinatal outcomes. PLoS ONE. 2020;15(8):e0237571. PMID: 32810195. doi: 10.1371/journal.pone.0237571.
45. Alenazi HA, Jamal A, Batais MA. Identification of Type 2 Diabetes Management Mobile App Features and Engagement Strategies: A Modified Delphi Approach. JMIR Mhealth Uhealth. 2020 Jun 3. PMID: 32678798. doi: 10.2196/17083.
46. Tamsah M-H, Al-Sohime F, Alamro N, Al-Eyadhy A, Al-Hasan K, Jamal A, et al. The psychological impact of COVID-19 pandemic on health care workers in a MERS-CoV endemic country. Journal of infection and public health. 2020 2020/06/01;13(6):877-82. doi: <https://doi.org/10.1016/j.jiph.2020.05.021>.
47. Jamal AA, Aldawsari ST, Almufawez KA, Barri RM, Zakaria N, Tharkar S. Twitter as a promising microblogging application for psychiatric consultation - Understanding the predictors of use, satisfaction and e-health literacy. Int J Med Inform. 2020 May 28;141:104202. PMID: 32506051. doi: 10.1016/j.ijmedinf.2020.104202.
48. Collaborators GBDCRD. Prevalence and attributable health burden of chronic respiratory diseases, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet Respir Med. 2020 Jun;8(6):585-96. PMID: 32526187. doi: 10.1016/S2213-2600(20)30105-3.
49. Al-Rabiaah A, Tamsah MH, Al-Eyadhy AA, Hasan GM, Al-Zamil F, Al-Subaie S, Jamal A, et al. Middle East Respiratory Syndrome-Corona Virus (MERS-CoV) associated stress among medical students at a university teaching hospital in Saudi Arabia. J Infect Public Health. 2020;13(5):687-91.
50. Alsubaie S, Hani Tamsah M, Al-Eyadhy AA, Gossady I, Hasan GM, Al-Rabiaah A, Jamal A, et al. Middle East Respiratory Syndrome Coronavirus epidemic impact on healthcare workers' risk perceptions, work and personal lives. J Infect Dev Ctries. 2019 Oct 31;13(10):920-6. PMID: 32084023. doi: 10.3855/jidc.11753.
51. Wahabi HA, Esmaeil SA, Bahkali KH, Titi MA, Amer YS, Fayed AA, Jamal A, et al. Medical Doctors' Offline Computer-Assisted Digital Education: Systematic Review by the Digital Health Education Collaboration. J Med Internet Res. 2019 Mar 1;21(3):e12998. PMID: 30821689. doi: 10.2196/12998.
52. Alsohime F, Tamsah M-H, Al-Eyadhy A, Bashiri FA, Househ M, Jamal A, et al. Satisfaction and Perceived Usefulness with Newly-Implemented Electronic Health Records System among Pediatricians at a University Hospital. Comput Methods Programs Biomed. 2018 2018/12/26/. doi: <https://doi.org/10.1016/j.cmpb.2018.12.026>.
53. Jamal AA, Al-Furaih IM, Binsufayan SA, Jamalaldeen MR, Abunohaiah IS, Alhuzaymi AM, et al. Factors Determining the Choice of Medical Specialty and Work Environment Among Saudi Physicians: Results from A National Cross-Sectional Survey. International Journal of Pharmaceutical Research & Allied Sciences. 2018;7(2).
54. Access GBDH, Quality C. Measuring performance on the Healthcare Access and Quality Index for 195 countries and territories and selected subnational locations: a systematic analysis from the Global Burden of Disease Study 2016. Lancet. 2018 Jun 2;391(10136):2236-71. PMID: 29893224. doi: 10.1016/S0140-6736(18)30994-2.
55. AlFaris E, Irfan F, Ponnampuruma G, Jamal A, Van der Vleuten C, Al Maflehi N, et al. The pattern of social media use and its association with academic performance among medical students. Med Teach. 2018;1-6. doi: 10.1080/0142159X.2018.1465536.
56. Jamal A, Almazyad A, AlKhamis K, Alturki T, Alotaibi T, Alshuweishi F, et al. Use of medical applications and tools in smartphones and tablets among King Saud University medical students: a cross sectional study. International Journal of Academic Scientific Research. 2017;5(1):1-8.
57. Collaborators GS. Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related Sustainable Development Goals for 195 countries and territories: a systematic analysis for the Global Burden of

- Disease Study 2017. Lancet. 2018 Nov 10;392(10159):2091-138. PMID: 30496107. doi: 10.1016/S0140-6736(18)32281-5.
58. Collaborators GBDLRI. Estimates of the global, regional, and national morbidity, mortality, and aetiologies of lower respiratory infections in 195 countries, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet Infect Dis. 2018 Sep 19. PMID: 30243584. doi: 10.1016/S1473-3099(18)30310-4.
59. Jamal A, Alrajhi A, Aldubaib A, et al. Effect of discussing Framingham risk score on smoke cessation: pilot randomized clinical trial. International Journal of Advanced Research 2016;4(12):2697-702. doi: 10.21474/IJAR01/2695. <http://www.journalijar.com/article/13875/>
60. AlFaris E, Irfan F, Qureshi R, Naeem N, Alshomrani A, Ponnampereuma G, Jamal A, et al. Health professions' students have an alarming prevalence of depressive symptoms: exploration of the associated factors. BMC Med Educ. 2016;16(1):279. doi: 10.1186/s12909-016-0794-y. <https://www.ncbi.nlm.nih.gov/pubmed/27769235>
61. Bukhari EE, Tamsah MH, Aleyadhy AA, Alrabiaa AA, Alhboob AA, Jamal AA, et al. Middle East respiratory syndrome coronavirus (MERS-CoV) outbreak perceptions of risk and stress evaluation in nurses. J Infect Dev Ctries. 2016;10(8):845-50. PMID: 27580330. doi: 10.3855/jidc.6925. <https://www.ncbi.nlm.nih.gov/pubmed/27580330>
62. Househ M, Hossain N, Jamal A, Zakaria N, Elmetwally A, Alsalamah M, et al. A cross-sectional content analysis of Android applications for asthma. Health Informatics J. 2016 March 3, 2016. doi: 10.1177/1460458215627289. <https://www.ncbi.nlm.nih.gov/pubmed/26940137>
63. Jamal A, Tamsah MH, Khan SA, Al-Eyadhy A, Koppel C, Chiang MF. Mobile Phone Use Among Medical Residents: A Cross-Sectional Multicenter Survey in Saudi Arabia. JMIR Mhealth Uhealth. 2016;4(2):e61. <https://www.ncbi.nlm.nih.gov/pubmed/27197618>
64. Househ MS, Shubair MM, Yunus F, Jamal A, Aldossari B. The use of an adapted health IT usability evaluation model (Health-ITUEM) for evaluating consumer reported ratings of diabetes mHealth applications: implications for diabetes care and management. Acta Inform Med. 2015 Oct;23(5):290-5. PMID: 26635437. doi: 10.5455/aim.2015.23.290-295. <https://www.ncbi.nlm.nih.gov/pubmed/26635437>
65. Jamal A, Khan SA, AlHumud A, Al-Duhyim A, Alrashed M, Bin Shabr F, et al. Association of Online Health Information-Seeking Behavior and Self-Care Activities Among Type 2 Diabetic Patients in Saudi Arabia. J Med Internet Res. 2015;17(8):e196. PMID: 26268425. doi: 10.2196/jmir.4312. <https://www.ncbi.nlm.nih.gov/pubmed/26268425>
66. Alsadan M, El Metwally A, Ali A, Jamal A, Khalifa M, Househ M. Health information technology (HIT) in Arab countries: a systematic review study on HIT progress. J Health Inform Dev Ctries. 2015 June 1;9(2):32-49. <http://www.jhidc.org/index.php/jhidc/article/viewFile/138/187>
67. Alquaiz AM, Kazi A, Qureshi R, Siddiqui AR, Jamal A, Shaik SA. Correlates of cardiovascular disease risk scores in women in Riyadh, Kingdom of Saudi Arabia. Women Health. 2015;55(1):103-17. PMID: 25569108. doi: 10.1080/03630242.2014.972020. <https://www.ncbi.nlm.nih.gov/pubmed/25569108>
68. Al Faris EA, Naeem N, McAleer S, Qureshi R, Van der Vleuten C, Irfan F, Jamal A, et al. Why a teacher centered medical school curriculum may result in a poor educational environment. J Contemp Med Edu. 2014;2(2):85-90. <http://www.scopemed.org/?mno=48945>
69. Al-Faris H, Al-Faris H, Al-Faris E, Naghma N, Jamal A, AlQuaiz AM, et al. A history of childhood maltreatment among spouses predicts violence against women. Ann Saudi Med. 2013;33(6):595-600. doi: doi:10.5144/0256-4947.2013.595. <https://www.ncbi.nlm.nih.gov/pubmed/24413865>
70. Zakaria N, Jamal A, Bisht S, Koppel C. Embedding a learning management system into an undergraduate medical informatics course in Saudi Arabia: lessons learned. Medicine 20. 2013;2(2):e13. <https://www.ncbi.nlm.nih.gov/pubmed/25075236>
71. Tamim H, Hejaili F, Jamal A, Al Shamsi H, Al Sayyari A. Professional Boundary Ethics Attitudes and Awareness Among Nurses and Physicians in a University Hospital in the Kingdom of Saudi Arabia. Ethics & Behavior. 2010;20(1):21-32. <http://www.tandfonline.com/doi/abs/10.1080/10508420903482475>

72. Jamal A. Perception of physicians regarding the prevalence of unprofessional behavior among their colleagues in a tertiary care hospital in Saudi Arabia. Journal of Taibah University Medical Sciences. 2009;4(1):94-107. <http://www.sciencedirect.com/science/article/pii/S165836120970085X>

## Books

1. Jamal A. Physicians' perception toward elements of professionalism in Saudi: LAP LAMBERT Academic Publishing; 2014 April 7, 2014. 96 p. ISBN: 978-3659527685. <https://www.amazon.com/Physicians-perception-toward-elements-professionalism/dp/3659527688>
2. AlQuaiz A, Jamal A, Siddiqui A, Fouda Neel M, Habeeb F, AlMuneef M, et al. Women's health in Saudi Arabia: a changing pattern: Princess Nora bint Abdullah chair For women's health research; King Saud University; 2014.

## Book Chapters

1. Dana A, Mohamed K, Amr J, Nasria Z, Suleiman A, Ashraf E-M, et al. The Role and Use of Telemedicine by Physicians in Developing Countries: A Case Report from Saudi Arabia. E-Health and Telemedicine: Concepts, Methodologies, Tools, and Applications. Hershey, PA, USA: IGI Global; 2016. p. 946-60.
2. Househ M, Alshammari R, Almutairi M, Jamal A, Alshoib S. Building a Culture of Health Informatics Innovation and Entrepreneurship: A New Frontier. Stud Health Technol Inform2015. p. 237-40.
3. Alajmi D, Khalifa M, Jamal A, Zakaria N, Alomran S, El-Metwally A, et al. The Role and Use of Telemedicine by Physicians in Developing Countries: A Case Report from Saudi Arabia. Transforming Public Health in Developing Nations: IGI Global; 2015. p. 293.

## Selected Published Abstracts

1. Dabbagh R, Jamal A, Temsah M-H, Masud JHB, Titi M, Amer Y, et al. Machine learning models for predicting diagnosis or prognosis of COVID-19: A systematic review. Comput Methods Programs Biomed. 2021 2021/06/01/;205:105993. doi: <https://doi.org/10.1016/j.cmpb.2021.105993>.
2. Alnobani O, Jamal A, Zakaria N, Temsah M-H, Alkamel N, Tharkar S. Knowledge and attitude of healthcare professionals toward the use of telemedicine-robotic remote presence during Hajj. Comput Methods Programs Biomed. 2021 2021/06/01/;205:105986. doi: <https://doi.org/10.1016/j.cmpb.2021.105986>.
3. Temsah M-H, Al Hokair A, Jamal A, Al-Sohaime F, Al-Eyadhy A, Hasan G, et al. Evaluation of utilization of electronic growth charts after customization for race and Saudi national values. Comput Methods Programs Biomed. 2021;205:105985.
4. Almalki M, Jamal A, Elhassan O, Zakaria N, Alhefzi M. Toward the development of the GCC Health Informatics Career Paths and Matrix. Comput Methods Programs Biomed. 2021;205:105987.
5. Alkamel N, Jamal A, Househ M. Stakeholder's preferences for an ST-elevation myocardial infarction patient management mobile application. Comput. Methods Programs Biomed. 2019;171:6 doi: <https://doi.org/10.1016/j.cmpb.2018.12.014>[published Online First: Epub Date]].
6. Temsah M-H, Alsohime F, Al-Eyadhy A, Hasan GM, Alhasan KA, Jamal A. Comparison of conventional versus short training on Electronic Health Records among physicians at a tertiary, university hospital. Comput Methods Programs Biomed. 2021 2021/06/01/;205:105989. doi: <https://doi.org/10.1016/j.cmpb.2021.105989>.
7. Alenazia H, Alradhia S, Alghamdia M, Househb M, Jamal A, Zakariaa N. Readiness to Use Mobile Health Features among Diabetic Patients in Saudi Arabia: Survey Validation. Age. 2017;18(35):36-55.
8. Zakaria N, Jamal AA, Aldawsari ST, Almufawez KA, Barri RM, Tharkar S, editors. Twitter as a promising microblogging application for psychiatric consultation - Understanding the predictors of use, satisfaction and e-health literacy. 6th Regional "Stress and Behavior" ISBS Conference; 2015 July 26, 2015; Kobe, Japan.
9. Amer YSAD, Jamal A, Baksh M, Aljonaieh K, editors. Assessment of the readiness to implement a computerized provider order entry (CPOE) system: a pilot study from king Saud university medical city. ISQua; 2015; Doha, Qatar.

10. Jamal A, Khan SA, AlHumud A, Al-Duhyim A, Alrashed M, Shabr FB, et al., editors. The impact of online health information seeking behavior on self-care activities among adult diabetic type-2 patients. Medicine 20'14 Europe (Malaga, Spain); 2014: JMIR Publications Inc.
11. Zakaria N, Jamal A, Bisht S, Koppel C. Embedding a learning management system into an undergraduate medical informatics course in Saudi Arabia: lessons learned. Medicine 20. 2013;2(2):e13.

## Professional Affiliations & Memberships

May. 22 – Now	Member – International Society for Telemedicine & eHealth (ISfTeH), Basel, Switzerland
Feb. 22 – Now	Partner – Global Digital Health Partnership, Office of the National Coordinator for Health Information Technology, Washington, D.C., USA
Nov. 21 – Now	Member – Guidelines International Network (GIN), Scotland, UK
Jul. 21 – Now	Member – Artificial Intelligence Society, Riyadh
Feb. 19 – Now	Founding Member – Saudi Health Information Management Association (SHIMA), Riyadh
Mar. 11 – Now	Founding Chairman – Riyadh Club of Clinical Informatics, Riyadh
Feb. 11 – Now	Member – Saudi Hypertension Management Society (SHMS), Riyadh
Jan. 11 – Now	Member – Charitable Health Society for Patients Care (Enayah), Riyadh
Jan. 11 – Now	Founding Member – Saudi Society of Medical Juridical Studies, Riyadh
May. 09 – Now	Member – American Medical Informatics Association, Bethesda, Maryland
May. 09 – Apr. 11	Board Member - Saudi Family & Community Medicine Society, Riyadh Office
Mar. 09 – Now	Founding Member - Saudi Society of Evidenced Based Medicine, Riyadh
Feb. 09 – Now	Direct Member - World Organization of Family Doctors (WONCA), Singapore
Nov. 08 – Now	Member - Saudi Society of Medical Education, Abha, Saudi Arabia
Nov. 08 – Now	Founding Member - Riyadh Medical Education Club, Riyadh
Sep. 08 – Now	International Member - American Academy of Family Physicians (AAFP), USA
Jul. 08 – Now	Member - The National Family Safety Program (NFSP), Riyadh
Jun. 06 – Now	Member - Saudi Federation of Sport Medicine, Riyadh
May 06 – Now	Member - Saudi Association for Health Informatics (SAHI), Riyadh
Sep. 04 – Now	Member - Riyadh Medical Ethics Club, Riyadh
Aug. 04 – Now	Member - Saudi Family & Community Medicine Society, Dammam, Saudi Arabia