



# FACULTY FULL NAME: Saja Abdullah A. Al-Rayes

Vice Dean of female Student Affairs in the College of Public Health

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## Personal Data

Nationality | Saudi

Date of Birth | 08 – 01

Department | health information management and technology

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## Bio

Dr. Saja A. Al-Rayes is an assistant professor at the College of Public Health (CPH) on the Imam Abdulrahman bin Faisal University (IAU) in Saudi Arabia. She is also the vice dean of the female students' affairs in the college, the Head of Health Information Management and technology department and the coordinator for the Master of Sciences program in healthcare quality and patient safety. Her undergraduate degree was earned from the IAU with a degree on health information management and technology. She offered to be one of the demonstrators in the department after she was graduated. Afterwards, Dr. Saja's master's degree was on Health informatics. It was granted from the University of Leeds in the United Kingdom. The final year project for her master's degree was about identifying the requirement of Virtual Microscopy with extension to the Virtual Reality Powerwall in training sessions at St. James's University Hospital in Leeds. This degree allowed her to be promoted as a lecturer in the CPH. Later, she earned her PhD from the school of medicine at the University of Leeds in the United Kingdom. The PhD thesis was about understanding the factors influencing patient acceptance toward using electronic patient reported outcome measures (e-PROMs). Currently, she has around 13 publications in multiple peer reviewed journals and conference proceedings. Her interest in conducting research in the field of health informatics including digital health, mobile health, and technology user's behavior. As an assistant professor, she is teaching different courses relevant to the health informatics field including system analysis and design and for both bachelor and master's degree. She is also supervising and defend multiple master thesis relevant to the health informatics and the public health specialty.

## Language Proficiency



Language	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent

### Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
05- 2016	PhD.	University of Leeds	Leeds, UK
10- 2010	Master in Health informatics	University of Leeds	Leeds, UK
08- 2007	Bachelor degree	University of Dammam	Dammam, Saudi Arabia

### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

<b>PhD</b>	Development and early-stage validation of a questionnaire measuring patient acceptance of electronic patient reported outcome measures.
<b>Master</b>	Identifying the requirement of Virtual Microscopy with extension to the Virtual Reality Powerwall in training sessions at St. James's University Hospital in Leeds.
<b>Fellowship</b>	---

### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Assistant Professor	Imam Abdulrahman bin Faisal University	Dammam	Saudi Arabia	2016 – present
Lecturer	Imam Abdulrahman bin Faisal University	Dammam	Saudi Arabia	2010 - 2016
Demonstrator	Imam Abdulrahman bin Faisal University	Dammam	Saudi Arabia	2008- 2010

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Acting dean	College of Public Health - IAU	July 2021
Head of the health information management and technology department	College of Public Health - IAU	Jan 2021 - present
Acting dean	College of Public Health - IAU	August 2020
Vice Dean of student affairs	College of Public Health - IAU	Aug. 2019 – present
Coordinator of the master program	Department of health information management and technology at the College of public health in the Imam Abdulrahman bin Faisal University.	Sept. 2018 – present
Head of graduation project committee	Department of health information management and technology at the College of public health in the Imam Abdulrahman bin Faisal University.	2016 – 2018
Quality manager in the college of public health	College of public health – Imam Abdulrahman bin Faisal University.	2016



## Scientific Achievements

### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
	Shayma-a Hijlis, Turki Alanzi, Fahad Alanezi, Hala Alhodaib, Arwa Althumairi, Afnan Aljaffary, Duaa Aljabri, Saja Alrayes, Demah Als Salman, Asma Al-Fayez, Sumaiah Alrawiai, Bashair AlThani, Zahraa Alakrawi, Amjad Saadah, Norah Alyousif.	Use of social media for the improvement of radiation safety knowledge among Saudi Arabian radiographers.	International Health. (2021)
	Al-Rayes SA, Alumran A, Aljabri D, Aljaffary A, Aldoukhi E, Alahmedalyousif Z, Al Madani R.	Public Awareness and Utilization of 937-Telephone Health Services in the Kingdom of Saudi Arabia Before and During the COVID-19 Pandemic: Longitudinal Study.	Journal of Medical Internet Research. 2021
	Sarah Al-zahrani, Arwa Althumairi, Afnan Aljaffary, Asma Alfayez, Demah Als Salman, Fahad Alanezi, Hala Alhodaib, Saja Al-Rayes, Sumaiah Essa Alrawiai, Duaa I. Aljabri, Bashair AlThani, Amjad Saadah, Turki M. Alanzi.	Opinion of mental healthcare providers on the impact of electronic games on psychiatric patients in Saudi Arabia.	Informatics in Medicine Unlocked.(2021)
	Zainab Alzain, Asma Alfayez, Demah Als Salman, Fahad Alanezi, Beyan Hariri, Saja Al-Rayes, Hala Alhodaib, Turki Alanzi.	The role of social media in the training and continuing education of healthcare professionals in Eastern Saudi Arabia.	Informatics in Medicine Unlocked. (2021)
	Turki M Alanzi, Arwa Althumairi, Afnan Aljaffary, Asma Alfayez, Demah Als Salman, Fahad Alanezi, Hala Alhodaib, Maha M AlShammari, Reem AL-Dossary, Saja Al-Rayes, Beyan Hariri, Bashair AlThani	Evaluation of the Mawid mobile healthcare application in delivering services during the COVID-19 pandemic in Saudi Arabia.	International Health. (2021)
	Doaa Alhabib, Arwa Alumarn, Saja Alrayes.	Emergency room visualization dashboard user satisfaction in Saudi Arabia.	Informatics in Medicine Unlocked. (2020)
	Al-Rayes, S. A., Aldar, F., Al Nasif, N., Alkhadrawi, Z., Al-Fayez, A., & Alumran, A.	The use of electronic incident reporting system: Influencing factors.	Informatics in Medicine Unlocked. (2020)
	Demah Als Salman, Arwa Alumran, Saja Alrayes, Arwa Althumairi, Sama'a Almubarak, Sumaiah	Implementation status of health information systems in hospitals in the eastern province of Saudi Arabia.	Informatics in Medicine Unlocked. (2020)



	Alrawiai, Zahraa Alakrawi, Beyan Hariri, Turki Alanzi		
	Alrawiai S, Aljaffary A, Al-Rayes S, Alumran A, Alhuseini M, Hariri B.	The OPTION Scale: Measuring Patients' Perceptions of Shared Decision-Making in the Kingdom of Saudi Arabia.	J Multidiscip Healthc. (2020)
	Reem Al Madani, Saja A Al-Rayes, Arwa Alumran	Policies vs Practice of Medical Error Disclosure at a teaching hospital in Saudi Arabia	Risk Management and Healthcare Policy (2020)
	Saja A. Alrayes, Hessah Aldossary, Ethar Aldoukhi, Zainab Alahmedalyousif, Ghadeer Aldawood, Arwa Alumran	The awareness and utilization of 937-telephone health services in Saudi Arabia: Cross-sectional survey study	Informatics in Medicine Unlocked (2020)
	SA Al-Rayes, A Alumran, W AlFayez	The Adoption of the Electronic Health Record by Physicians	Methods of Information in Medicine (2019)
	Alumra, A., Aldossary, H., Almulhim, L., Almolhim, B., Bakodah S., Alrayes, S. A.	Are dental care providers in Saudi Arabia prepared to treat patients with special needs?	Journal of Dental Research (2019)

#### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

#### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Saja A. Al-Rayes, Maryam Al-Meshkhas	Preparing legal electronic medical record case: A process analysis and improvement plan	19th Distributed Computing and Applications for Business Engineering and Science from October 16 to 19 of year 2020 conducted at China Mining University, Xuzhou, Chin
2	Saja A. Al-Rayes, Fatimah Ali Al-Shatti	Speech Therapy Clinic Workflow at One of the Government Hospitals in Saudi Arabia: Process Analysis and Recommendations	19th Distributed Computing and Applications for Business Engineering and Science from October 16 to 19 of year 2020 conducted at China Mining University, Xuzhou, Chin

#### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Faculty: Dr. Saja A. Al-Rayes and Ms. Ohood alKhaldi	Factors influencing caregivers' use of Electronic Patient Reported Outcome Measures (E-PROMs) in Eradah	May 2021



	Student: Aisha Fuad Alkhamis, Atheer Meteb Alrashidi, Horaya Abdulbaset Amin	Complex for Mental Health on Dammam Eastern Region	
2	Faculty: Dr. Saja A. Al-Rayes and Ms. Asma Alfayez Student: Falak Adel Aldar, Nada Saud Al Nasif and Zainab Ibrahim Alkhadrawi	FACTORS INFLUENCING THE USE OF ELECTRONIC INCIDENT REPORTING SYSTEM	June 2020
3	Faculty: Dr. Saja A. Al-Rayes and Ms. Hessa Aldossary Student: Ethar Abdulaziz Al-Doukhi, Zainab Tawfiq Al-Yousef, Ghadeer Ghazi Al-Dawood	THE SATISFACTION AND UTILIZATION OF 937- TELEPHONE HEALTH SERVICES IN SAUDI ARABIA: CROSS-SECTIONAL SURVEY STUDY	April 2019
4	Faculty: Dr. Saja A. Al-Rayes, Dr. Arwa Althumairi Student: Baraq Awani and Gufran Alzubil	THE AWARENESS OF CHEMOTHERAPY SIDE EFFECTS AND ITS RELATED FACTORS: A SYSTEMATIC REVIEW	May 2018

#### Current Researches

#	Research Title	Name of Investigator(s)
1	Factors influencing the use of Virtual Clinic in Eradah Complex for Mental Health on Dammam Eastern region	Faculty: Dr. Saja A. Al-Rayes Students: Sarah Alzahrani

#### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	MEIbioeng 15	Leeds, UK - 2015	Poster presentation
2	International Digital Health and Care Congress 2015	London, UK - 2015	Poster presentation
3	European Medical Informatics Conference	Istanbul, Turkey- 2014	Poster presentation

#### Membership of Scientific and Professional Societies and Organizations

- Head of the graduation project committee in the department of Health information management and technology.
- Member of the quality committee in the department of health information management and technology and the college of public health



- member of the strategic planning committee in both the department of health information management and technology and the college of public health.
- Member of graduation project committee for academic affairs initiatives.

## Teaching Activities

### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	System analysis and design I	HIMT 221	Main course instructor
2	System analysis and design II	HIMT 314	Main course instructor
3	Graduation project	HIMT 4	Supervisor

### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	System analysis and design I – HIMT 221: aims at providing the student with the key techniques to analyze the current process within the healthcare centers and facilitate the process improvement by introducing new systems of modifying the old ones.
2	System analysis and design I – HIMT 221: aims at analyzing structured decisions, designing effective input, designing effective output and quality assurance of information systems.
3	Graduation project – HIMT4: accomplish a scientific research using the techniques studied during the undergraduates courses and following the academic way. It includes applying the appropriate methodology and running the appropriate statistical test toward reaching the study aim and objectives.

### Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Health information management and technology	MQPS 601	Lectures
2	The landscape of healthcare quality in Saudi Arabia	MQPS 613	Lectures and course coordinator
3	Thesis	MQPS 690	Supervisor

### Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	Health information management and technology -MQPS 601: introduction of health information management and technology and the its main applications including (digital health and mobile health)
2	The landscape of healthcare quality in Saudi Arabia MQPS 613: it provides the student with the recent developments of the Quality in Saudi Arabia.
3	Thesis MQPS 690: supervise one of the student's thesis toward awarding her master degree.



### Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
1	The landscape of healthcare quality in Saudi Arabia	X	---	---	X	2018	Present
2	Seminars in Healthcare Improvement and Patient Safety	X	---	---	X	2018	Present

### Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	Teaching a lecture	Mixed method research approach	Health information management and technology department- College of public health – IAU	2017, 2018 and 2019
2	Teaching a lecture	Mixed method research approach	Public health department - College of public health – IAU	2019

### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	Bachelor students	5	2019	present
2	Bachelor students	5	2018	2019
3	Bachelor students	5	2017	2018
4	Bachelor students	5	2016	2017

### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Master	Toward the Saudi National Electronic Health Record, The Barriers to the adoption of the EHR by the physicians at KFMMC during the Implementation Stage	CPH - IAU	2018-2019
2	Master	Physician's Perception toward Disclosing of Patient Safety Event and Barriers to Disclose at King Fahd Hospital of The University, Eastern Province, Saudi Arabia	CPH - IAU	2019-2020

### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
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1	Master	Factors influencing caregivers' use of Electronic Patient Reported Outcome Measures	Department of health information management and technology – CPH - IAU	2020-2021
2	Master	(E-PROMs) in Eradah Complex for Mental Health on Dammam Eastern region.	Department of health information management and technology – CPH - IAU	2020-2021

### Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

#### Administrative Responsibilities

#	From	To	Position	Organization
1	2021	Present	Head of HIMT department	College of public health - IAU
2	2019	Present	Vice dean of student affairs	College of public health - IAU
3	2018	Present	Coordinator of master program	Department of health information management and technology – college of public health - IAU
4	2016	2018	Head of graduation project committee	Department of health information management and technology – college of public health - IAU
5	2016	2017	Quality manager	College of public health - IAU

#### Committee Membership

#	From	To	Position	Organization
1	2020	Present	Member in the crises management committee	College of public health - IAU
2	2019	Present	Member in demonstrator committee	Department of health information management and technology – college of public health - IAU
3	2016	Present	Member of quality committee	Department of health information management and technology – college of public health - IAU
4	2016	Present	Member of strategic planning committee	Department of health information management and technology – college of public health - IAU

#### Scientific Consultations

#	From	To	Institute	Full-time or Part-time
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#### Volunteer Work

#	From	To	Type of Volunteer	Organization
1	2018	2018	Presenting a lecture for gifted students	Alfaisalia Islamic School in Alkhobar

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)





1	Computer and information technology
2	Web designing and graphics – Adobe photoshop
3	SPSS and Amos software for statistics tools
4	Mplus statistics tools

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### Last Update

Sept. 9<sup>th</sup>, 2021.