Jonathan Kissi

Senior Lecturer · Department of Health Information Management
University of Cape Coast

ORCID 0000-0003-2942-5654 · Homepage ucc.edu.gh · Google Scholar scholar.google.com/citations?user=HtJvl8gAAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/d6c00df3-a694-444b-9bcd-b362ebdccf5d

PROFILE

Dr. Jonathan Kissi is a Lecturer at the Department of Health Information Management, School of Allied Health Sciences, University of Cape Coast – Ghana. Jonathan's research area is a scientific field that comprises electronic health records, telehealth services, Information and Communication Technology in healthcare services and management information systems. The research area enlightens individuals on the interpretations of scientific research that emphasizes healthcare policy formulation, development and management. The area also provides immense contributions to complex structures of healthcare and broadens management strategies in healthcare systems for protecting under-served communities around the world. He can be contacted at email: jonathan.kissi@ucc.edu.gh

RESEARCH

Interests	Electronic Health Records · Telehealth Services
Areas	General Health Professions · Public Health, Environmental and Occupational Health · Health Information Management · Education · Health · Information Systems

RESEARCH SUMMARY

39	497	11	12	2.88	39%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 39 publications listed below, 2018–2026. Field-weighted impact is the mean over the 31 works scored for it; 1.00 is the world average for works of the same field, type and year. 12 of the 31 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer 2020–present
Health Information Management, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

Doctorial 2017–present
Managment Science, Jiangsu University, Zhenjiang, China

PUBLICATIONS

Journal articles 38

1. Ernest Osei, Joana Apenkwa, Lydia Sarponmaa Asante, **Jonathan Kissi**, Sabina Ampon-Wireko, Helena Agyei Lartey (2026). Digital health interventions for managing medication and healthcare service delivery by health professionals in Sub-Saharan Africa: a scoping review. *BMC Digital Health*. https://doi.org/10.1186/s44247-026-00285-6
2. Joseph Owusu-Marfo, Mark Anthony Azongo, **Jonathan Kissi** (2026). Users' opinions on the use of electronic health records at the Upper East Regional Hospital, Ghana: a qualitative study. *BMC Medical Informatics and Decision Making*. https://doi.org/10.1186/s12911-026-03714-8
3. Godwin Adzakpah, Nathan Kumasenu Mensah, Richard Okyere Boadu, **Jonathan Kissi** (2025).

Determining patients' willingness to pay for telemedicine services and associated factors amidst fear of coronavirus disease 2019 (COVID-19) in Ghana (vol 9, e19191, 2023). *HELIYON*. https://scholar.google.com/scholar?cluster=9893313005916036107&hl=en&oi=scholarr

4. Nathan Kumasenu Mensah, Godwin Adzakpah, **Jonathan Kissi**, Christabell Opoku, Emmanuel Osei, Jessica Abakah, Hawawu Ahmed, Hawa Mustapha, Precious Mensah, Richard Okyere Boadu, Daniel Kwame Kwansah Quansah, Hannah Benedicta Taylor-Abdulai (2025). Evaluation of Health Information Management students' internship program: A mixed methods study. *Evaluation and Program Planning*. https://doi.org/10.1016/j.evalprogplan.2025.102677
5. **Jonathan Kissi**, Vivian Kruh, Godwin Adzakpah, Caleb Annobil, Daniel Kwame Kwansah Quansah, Sarkodie Yaw Appiah, Veronica Adwubi, Kerzia Jacobell Owusuwa, Daniel Opare, Joseph Owusu-Marfo (2025). Healthcare Providers and Patients Perception on Telehealth Services Adoption for Post-Operative Follow-Ups at the Korle Bu Teaching Hospital (Ghana). *Health Services Insights*. https://doi.org/10.1177/11786329251361611
6. **Jonathan Kissi**, Godwin Adzakpah, Caleb Annobil, Nathan Kamasenu Mensah, Daniel Kwame Kwansah Quansah, Kennedy Dzamvivie, Vivian Kruh, Grace Amoah-Anomah, Abdul-Basit Kassim (2025). Telehealth services for acute diseases management: principles, trends and challenges in selected health facilities in the greater Accra region, Ghana. *BMC Family Practice*. https://doi.org/10.1186/s12875-025-02961-4
7. **Jonathan Kissi**, Caleb Annobil (2025). The Advantageous Impact of Telestroke: Global Insights and Implications for Africa: A Scoping Review of Literature. *Stroke Research and Treatment*. https://doi.org/10.1155/srat/5635369
8. Louis Jean Piu, Joseph Owusu-Marfo, Yaa Nyarko Agyeman, Augusta Soninour Kolekang, **Jonathan Kissi** (2024). Assessment of expanded programme on immunization routine data quality in the upper east region of Ghana. *BMC Health Services Research*. https://doi.org/10.1186/s12913-024-11347-8
9. Lulin Zhou, Jonathan Aseye Nutakor, Ebenezer Larnyo, Stephen Addai-Dansoh, Yupeng Cui, Alexander Kwame Gavu, **Jonathan Kissi** (2024). Exploring socioeconomic status, lifestyle factors, and cardiometabolic disease outcomes in the United States: insights from a population-based cross-sectional study. *BMC Public Health*. https://doi.org/10.1186/s12889-024-19685-2
10. Nathan Kumasenu Mensah, Godwin Adzakpah, **Jonathan Kissi**, Hannah Taylor-Abdulai, Stephen Benyi Johnson, Princilla Awudu Agbeshie, Christabell Opoku, Jessica Abakah, Emmanuel Osei, Ama Yeboaa Agyekum, Richard Okyere Boadu (2024). Health Professionals' Ethical, Security, and Patient Safety Concerns Using Digital Health Technologies: A Mixed Method Research Study. *Health Services Insights*. https://doi.org/10.1177/11786329241303379
11. Nathan Kumasenu Mensah, Godwin Adzakpah, **Jonathan Kissi**, Kasim Abdulai, Hannah Taylor-Abdulai, Stephen Benyi Johnson, Christabell Opoku, Cephas Hallo, Richard Okyere Boadu (2024). Health professionals' perceptions of electronic health records system: a mixed method study in Ghana. *BMC Medical Informatics and Decision Making*. https://doi.org/10.1186/s12911-024-02672-3
12. **Jonathan Kissi**, Godwin Azakpah, Nathan Kumasenu Mensah, Kennedy Dzamvivie, Twisty Ampofowaa Bosompem, Victor Adu Wireko, Grace Amoah-Anomah (2024). Healthcare professionals' perception on emergence of security threat using digital health technologies in healthcare delivery. *Digital Health*. https://doi.org/10.1177/20552076241260385
13. Richard Okyere Boadu, Godwin Adzakpah, Nathan Kumasenu Mensah, Kwame Adu Okyere Boadu, **Jonathan Kissi**, Christiana Dziyaba, Rosemary Bermaa Abrefa (2024). Healthcare providers' perception towards utilization of health information applications and its associated factors in healthcare delivery in health facilities in Cape Coast Metropolis, Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0297388
14. Ernest Osei, Felix Apiribu, **Jonathan Kissi**, Lydia Sarpomaa Asante, Sabina Ampon-Wireko, Tivani P. Mashamba-Thompson (2024). Healthcare workers' perspectives on the availability and use of mobile health technologies for disease diagnosis and treatment support in the Ashanti Region of Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0294802
15. **Jonathan Kissi**, Wisdom Wise Kwabla Pomegbe, Godwin Adzakpah, Nathan Kumasenu Mensah, Joseph Owusu-Marfo, Zenobia Wooduwa Asmah, Gloria Ekua Tawiah, Grace Amoah-Anomah (2024). Unmasking

the coronavirus pandemic impact on students' academic performance (University of Cape Coast—Ghana). *PLOS Global Public Health*. https://doi.org/10.1371/journal.pgph.0003409

16. Edith Antor, Joseph Owusu-Marfo, **Jonathan Kissi** (2024). Usability evaluation of electronic health records at the trauma and emergency directorates at the Komfo Anokye teaching hospital in the Ashanti region of Ghana. *BMC Medical Informatics and Decision Making*. https://doi.org/10.1186/s12911-024-02636-7
17. Jonathan Aseye Nutakor, Lulin Zhou, Ebenezer Larnyo, Stephen Addai-Dansoh, Yupeng Cui, **Jonathan Kissi**, Nana Ama Asi Danso, Alexander Kwame Gavu (2023). A multiplicative effect of Education and Wealth associated with HIV-related knowledge and attitudes among Ghanaian women. *BMC Public Health*. https://doi.org/10.1186/s12889-023-16311-5
18. Anthony Lirase Apio, **Jonathan Kissi**, Emmanuel Kusi Achampong (2023). A systematic review of artificial intelligence-based methods in healthcare. *International Journal of Public Health Science (IJPHS)*. https://doi.org/10.11591/ijphs.v12i3.22298
19. **Jonathan Kissi**, Baozhen Dai, Emmanuel Kusi Achmpong, Alex Boadi Dankyi, Joseph Antwi (2023). An empirical study of healthcare professionals' willingness to utilise telehealth services based on protection motivation theory. *International Journal of Healthcare Technology and Management*. https://doi.org/10.1504/ijhtm.2023.130314
20. Godwin Adzakpah, Nathan Kumasenu Mensah, Richard Okyere Boadu, **Jonathan Kissi**, Michael Dogbe, Michael Wadere, Dela Senyah, Mavis Agyarkoaa, Lawrencia Mensah, Amanda Appiah-Acheampong (2023). Determining patients' willingness to pay for telemedicine services and associated factors amidst fear of coronavirus disease 2019 (COVID-19) in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e19191
21. **Jonathan Kissi**, Caleb Annobil, Ahmed Tijani, Andrews Agyei Kissi (2023). Electronic health record impact on data quality: An integrated review. *Integrated Health Research Journal*. https://doi.org/10.47963/ihrj.v1i2.1376
22. Nathan Kumasenu Mensah, Godwin Adzakpah, **Jonathan Kissi**, Richard Okyere Boadu, Obed Uwumbornyi Lasim, Martha Khainde Oyenike, Abigail Bart-Plange, Maxwell Ayindenaba Dalaba, Felix Sukums (2023). Health professional's readiness and factors associated with telemedicine implementation and use in selected health facilities in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e14501
23. Nathan Kumasenu Mensah, Godwin Adzakpah, **Jonathan Kissi**, Richard Okyere Boadu, Queensly Kyerewaa Acheampongmaa, Hannah Taylor-Abdulai, Samuel Tamti Chatio (2023). Perceived impact of digital health technology on health professionals and their work: A qualitative study in Southern Ghana. *Digital Health*. https://doi.org/10.1177/20552076231218838
24. **Jonathan Kissi**, Caleb Annobil, Nathan Kumasenu Mensah, Joseph Owusu-Marfo, Ernest Osei, Zenobia Wooduwa Asmah (2023). Telehealth services for global emergencies: implications for COVID-19: a scoping review based on current evidence. *BMC Health Services Research*. https://doi.org/10.1186/s12913-023-09584-4
25. **Jonathan Kissi**, Joseph Owusu-Marfo, Ernest Osei, Kennedy Dzamvivie, Vivian Akorfa Anku, Jessica Naa Lamiokor Lamptey (2022). Effects of coronavirus pandemic on expanded program on immunization in weija gbawe municipality (Accra-Ghana). *Human Vaccines & Immunotherapeutics*. https://doi.org/10.1080/21645515.2022.2129830
26. **Jonathan Kissi**, Emmanuel Kusi Achampong, Nathan Kumasenu Mensah, Caleb Annobil, Jessica Naa Lamptey (2022). Moving towards Digitising COVID-19 Vaccination Certificate: A Systematic Review of Literature. *Vaccines*. https://doi.org/10.3390/vaccines10122040
27. **Jonathan Kissi**, Daniel Kwame Kwansah Quansah, Jonathan Aseye Nutakor, Alex Boadi Dankyi, Yvette Adu-Gyamfi (2022). Telehealth during COVID-19 pandemic era: a systematic review. *AIMS Medical Science*. https://doi.org/10.3934/medsci.2022008
28. Fortune Afi Agbi, Zhou Lulin, Eric Owusu Asamoah, **Jonathan Kissi** (2022). The Importance of Empathy in Maternal Healthcare Delivery. *American Journal of Social Sciences and Humanities*. https://doi.org/10.55284/ajssh.v7i2.720
29. Jonathan Banahene, Baozhen Dai, Maxwell Opuni Antwi, **Jonathan Kissi** (2021). Assessing Intrinsic

Mechanism of Service Quality Factors and it Effect on Patient Retention in Ghanaian Private Hospitals. *International Journal of Scientific Research in Science and Technology*. https://doi.org/10.32628/ijsrst207564

30. **Jonathan Kissi** (2021). Assessing Intrinsic Mechanism of Service Quality and it Effect on Patient Retention in Ghanaian Private Hospitals. Using Trust and Patient Satisfaction as Mediators. *Int J Sci Res Sci Technol*. https://ideas.repec.org/a/etm/ijsrst/v8y2021i2idhijsrst207564.html

31. Jonathan Banahene, Baozhen Dai, **Jonathan Kissi**, Maxwell Opuni Antwi (2021). Examine the Extrinsic Mechanism of Service Quality Factors and it Effect on Patient Retention in Ghanaian Private Hospitals, Using Trust and Patient Satisfaction as Mediator. *International Journal of Scientific Research in Science and Technology*. https://doi.org/10.32628/ijsrst207563

32. **Jonathan Kissi**, Baozhen Dai, OU Wen-hui, Fortune Agbi, Edward Obeng (2020). An Empirical Study of Intrinsic Determinants Influencing Telemedicine Services Adoption by Healthcare Professionals. *International Journal of Scientific Research in Science and Technology*. https://doi.org/10.32628/ijsrst207554

33. **Jonathan Kissi** (2020). Predictive factors of physicians' satisfaction with telemedicine services acceptance. *Health informatics journal*. https://doi.org/10.1177/1460458219892162

34. **Jonathan Kissi** (2019). Examining the Competency and Independence of Councillors: A Case of Selected Local Governments of Ghana's Public Sector. *Australian Journal of Economics and Management Science*. https://www.academia.edu/download/79370082/454.pdf

35. Owusu-Marfo, Joseph, Lulin, Zhou, Missah, Yaw, Asante Antwi, Henry, **Kissi, Jonathan**, Asare, Isaac, Banahene, Jonathan (2019). The Effect of Smart Mobile Devices Ownership and Usage on Insomnia among Health Trainees in Ghana. *Canadian Journal of Applied Science and Technology - Canadian Journal of Applied Science and Technology*.

36. **Jonathan Kissi** (2018). A REVIEW OF INFORMATION SECURITY POLICIES AND PROCEDURES FOR HEALTHCARE SERVICES. *Canadian Journal of Applied Science and Technology*. https://www.researchgate.net/profile/Jonathan-Kissi/publication/342847275_A_Review_of_Information_Security_Policies_and_Procedures_for_Healthcare_Services/links/5f089c92a6fdcc4ca45be6e8/A-Review-of-Information-Security-Policies-and-Procedures-for-Healthcare-Services.pdf

37. **Jonathan Kissi** (2018). Reliance on cryptography of cloud computing in Healthcare Information Management, lessons for Ghana Health Service. *International Journal of Information Security Science*. https://dergipark.org.tr/en/pub/ijiss/issue/67171/1048755

38. **Jonathan Kissi** (2018). The Effect of Smart mobile devices usage on Sleep Quality and academic performance–A Narrative Review. *Can. J. Appl. Sci. Technol*. https://www.academia.edu/download/79370084/379.pdf

Reports 1

1. **Jonathan Kissi** (2018). An Integrated Cloud Based Platform for Managing Employees Pension Schemes: The Case of Ghana. *vol*. https://www.researchgate.net/profile/Joseph-Owusu-Marfo/publication/327974779_INTEGRATED_CLOUD_BASED_PLATFORM_FOR_MANAGING_EMPLOYEES_PENSION_SCHEMES_CASE_OF_GHANA/links/5bb0f500299bf13e6058553b/INTEGRATED-CLOUD-BASED-PLATFORM-FOR-MANAGING-EMPLOYEES-PENSION-SCHEMES-CASE-OF-GHANA.pdf