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RESEARCH

Interests	MATERNAL HEALTH · NEONATAL HEALTH · CHILD HEALTH
Areas	Public Health, Environmental and Occupational Health · Pediatrics, Perinatology and Child Health · General Health Professions · Epidemiology · Infectious Diseases · Parasitology

RESEARCH SUMMARY

159	3,207	32	71	1.89	23%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 159 publications listed below, 1995–2026. Field-weighted impact is the mean over the 124 works scored for it; 1.00 is the world average for works of the same field, type and year. 29 of the 124 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 144

1. David Teye Doku, Yvonne Ayerki Nartey, Obed Cudjoe, Gladys Akotoaa Sakyi, Evans Duah, **George Adjei**, Ruby Syal, Fiifi Amoako Johnson, Frederick Ato Armah, Zulfiqar Ahmed Bhutta (2026). A scoping review of the health and health-related sustainable development goals (HHSDGs) in Ghana: progress and challenges. *BMC Public Health*. https://doi.org/10.1186/s12889-025-25985-y
2. Nicholas Amoako, Sandra Cohuet, Michael Rockson Adjei, Celine Gurry, Abraham Oduro, Prince Darko Agyapong, Osei Musah, Ivy Asantewaa Asante, Anthony Afum-Adjei Awuah, Reuben Ayivor-Djanie, … **George Obeng Adjei** and 16 others (2026). COVID-19 vaccine effectiveness against severe acute respiratory infections (SARI) hospitalisations associated with laboratory-confirmed SARS-CoV-2 in Ghana, June 2022 to March 2024. *Vaccine*. https://doi.org/10.1016/j.vaccine.2026.128310
3. Evans Duah, Nyeleti Chauke, Smangaliso Morerwa, Kuhlula Maluleke, Gabrielle Thompson, **George Obeng Adjei**, Paramjit Gill, Tivani Mashamba-Thompson (2026). Integrated Screening for Communicable and Non-Communicable Diseases Multimorbidity in Low- and Middle-Income Countries: A Scoping Review. *Tropical Medicine & International Health*. https://doi.org/10.1111/tmi.70233
4. Naomi Safo-Mensah, Olivia Amfo-Swanzy, Joyce Ashong, Emmanuel Okai, Manuella Faith Amoako, Percy Lomotey, Oheneba Charles Kofi Hagan, **George Adjei** (2025). Determinants of jaundice severity in neonates admitted at a Teaching Hospital in Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0325003
5. Precious Barnes, Abraham Mensah, Leonard Derkyi-Kwarteng, Ernest Adankwa, Elvis Agbo, Ewura Yahaya, Benjamin Amoani, Emmanuel Imbeah, **George Adjei**, Patrick Akakpo, Faustina Halm-Lai, Kwabena Dankwa, Samuel Nuvor, Roland Saahene, Dorcas Obiri-yeboah (2025). NF-κB (p65) protein expression in head and neck tumors and its association with clinicopathological parameters. *World Academy of Sciences Journal*. https://doi.org/10.3892/wasj.2025.330
6. Paul Nsiah, Samuel Acquah, Ansumana Sandy Bockarie, **George Adjei**, Ebenezer Aniakwaa-Bonsu, Oksana Ryabinina (2025). Non-high-density lipoprotein cholesterol predicts cardiovascular risk better than remnant cholesterol in patients with type 2 diabetes mellitus. *Frontiers in Cardiovascular Medicine*. https://doi.org/10.3389/fcvm.2025.1551203
7. **George Obeng Adjei** (2025). Prevalence and Factors Associated with Malnutrition among Children with

Cerebral Palsy Attending a Tertiary Hospital in Ghana. *African Journal of Health Sciences*. https://ojs.ajhsjournal.or.ke/index.php/home/article/view/316

8. Douglas Aninng Opoku, Peter Agyei-Baffour, Stephaney Gyaase, Eliezer Odei-Lartey, Joseph Osarfo, Jonathan Gmanyanmi, Francis Appiah, **George Adjei**, Yeetey Enuameh (2025). Risk prediction models to determine maternal and newborn adverse pregnancy outcomes in low and middle-income countries: A scoping review protocol. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0318658

9. Madison Adanusa, **George Adjei**, Sebastian Eliason, Samuel Amoah, Benson Cecil, Ignatius Sirikyi, Faustina Pappoe, Anasthasia Ofori, Frederick Adjei, Bernice Appau, Benjamin Nyane, Arthur Rudolf, Hagan Oheneba (2025). Sero-prevalence of Hepatitis B and C at a Primary Health Care Facility in Ghana. *African Health Sciences*. https://doi.org/10.4314/ahs.v24i4.5

10. Elliott Arko-Boham, Albert Bedford Paintsil, Benjamin Arko-Boham, **George Obeng Adjei** (2024). Effectiveness of Postburn Pruritus Treatment and Improvement of Insomnia—A Randomized Trial. *Journal of Burn Care & Research*. https://doi.org/10.1093/jbcr/irae083

11. Christiana Nsiah- Asamoah, **George Adjei**, Samuel Agblorti, David Teye Doku (2024). Factors in Household Settings Linked to the Feeding and Nutritional Status of Children Aged 6-23 months in Rural Farming Districts, Ghana. *Current Research in Nutrition and Food Science Journal*. https://doi.org/10.12944/crnfsj.12.3.20

12. Faustina Pappoe, Abraham Mensah, Leonard Derkyi-Kwarteng, Ernest Adankwa, Elvis Agbo, Ewura Seidu Yahaya, Benjamin Amoani, **George Adjei**, Samuel Mingyigilougu Apewe Ka-Chungu, Patrick Kafui Akakpo, Faustina Halm-Lai, Kwabena Dankwa, Daniel Amoako-Sakyi, Samuel Victor Nuvor, Dorcas Obiri-Yeboah, Roland Osei Saahene (2024). Prognostic Significance of Nuclear Factor Kappa B (p65) among Breast Cancer Patients in Cape Coast Teaching Hospital. *Medical Principles and Practice*. https://doi.org/10.1159/000539241

13. **George Obeng Adjei** (2024). "Help 'our'unbelief" on galamsey in Ghana. *Health Sciences Investigations Journal*. https://www.ajol.info/index.php/hsij/article/view/275697/260221

14. Nicholas Ekow Thomford, Faustina Adu, Cyril Gavor-Kwashi, Samuel Badu Nyarko, Paul Nsiah, Richard Dadzie Ephraim, **George Adjei**, Akwasi Anyanful (2023). An exploratory pharmacogenetic screening of SLC22A6, SLC22A8, ABCC4 and ABCC10 genes in a cohort of Ghanaian HBV patients. *Egyptian Journal of Medical Human Genetics*. https://doi.org/10.1186/s43042-023-00428-8

15. Samuel Yao Ahorhorlu, Neils Ben Quashie, Rasmus Weisel Jensen, William Kudzi, Edmund Tetteh Nartey, Nancy Odurowah Duah-Quashie, Felix Zoiku, Bartholomew Dzudzor, Christian William Wang, Helle Hansson, Michael Alifrangis, **George Obeng Adjei** (2023). Assessment of artemisinin tolerance in Plasmodium falciparum clinical isolates in children with uncomplicated malaria in Ghana. *Malaria Journal*. https://doi.org/10.1186/s12936-023-04482-w

16. M Amoakoh-Coleman, S Iddi, **George Obeng Adjei** (2023). Change in glycaemic control with structured diabetes self-management education in low-resource settings: randomized trial. *Structured diabetes self-management education and glycaemic control in low-resource urban primary care settings*. https://scholar.google.com/scholar?cluster=7953389472893245219&hl=en&oi=scholarr

17. Roberta Lamptey, Mary Amoakoh-Coleman, Mary Moffett Barker, Samuel Iddi, Michelle Hadjiconstantinou, Melanie Davies, Daniel Darko, Irene Agyepong, Franklyn Acheampong, Mary Commey, Alfred Yawson, Diederick E. Grobbee, **George Obeng Adjei**, Kerstin Klipstein-Grobusch (2023). Change in glycaemic control with structured diabetes self-management education in urban low-resource settings: multicentre randomised trial of effectiveness. *BMC Health Services Research*. https://doi.org/10.1186/s12913-023-09188-y

18. Catherine Segbefia, Seth Kwabena Amponsah, Adwoa K. A. Afrane, Mame Yaa Nyarko, Yvonne Brew, Nihad Salifu, Samuel Yao Ahorhorlu, Abdul Malik Sulley, Lars Hviid, Michael Fokuo Ofori, **George Obeng Adjei** (2023). Clinical and laboratory characteristics of children with sickle cell disease on hydroxyurea treated with artemether-lumefantrine for acute uncomplicated malaria. *Frontiers in Medicine*. https://doi.org/10.3389/fmed.2023.1291330

19. Roberta Lamptey, Mary Amoakoh-Coleman, Babbel Djobalar, Diederick E. Grobbee, **George Obeng Adjei**, Kerstin Klipstein-Grobusch (2023). Diabetes self-management education interventions and self-

management in low-resource settings; a mixed methods study. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0286974

20. Patrick Kafui Akakpo, Sebastian Ken-Amoah, Nancy Innocentia Ebu Enyan, Elizabeth Agyare, Emmanuel Salia, Ibrahim Baidoo, Leonard Derkyi-Kwarteng, Matthew Asare, **George Adjei**, Stephen Ayisi Addo, Dorcas Obiri-Yeboah (2023). High-risk human papillomavirus genotype distribution among women living with HIV; implication for cervical cancer prevention in a resource limited setting. *Infectious Agents and Cancer*. https://doi.org/10.1186/s13027-023-00513-y

21. Helena Lamptey, Zakaria Seidu, Mary Lopez-Perez, Eric Kyei-Baafour, Lars Hviid, **George Obeng Adjei**, Michael Fokuo Ofori (2023). Impact of haemoglobinopathies on asymptomatic Plasmodium falciparum infection and naturally acquired immunity among children in Northern Ghana. *Frontiers in Hematology*. https://doi.org/10.3389/frhem.2023.1150134

22. Zakaria Seidu, Helena Lamptey, Mary Lopez-Perez, Nora Owusuwaa Whittle, Stephen Kwesi Oppong, Eric Kyei-Baafour, Abigail Naa Adjorkor Pobee, **George Obeng Adjei**, Lars Hviid, Michael F. Ofori (2023). Plasmodium falciparum infection and naturally acquired immunity to malaria antigens among Ghanaian children in northern Ghana. *Parasite Epidemiology and Control*. https://doi.org/10.1016/j.parepi.2023.e00317

23. Nicholas Ekow Thomford, Fiifi Ndom Dampson, **George Adjei**, Sebastian Eliason, Martins Ekor, George Boateng Kyei (2023). Psychometric assessment of HIV stigma in patients attending a tertiary facility: An initial validation of the Berger HIV stigma scale in a Ghanaian perspective. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0282193

24. **George Obeng Adjei** (2023). Roberta Lamptey, Mary Amoakoh-Coleman, Babbel Djobalar, Diederick E. Grobbee. *Structured diabetes self-management education and glycaemic control in low-resource urban primary care settings*. https://scholar.google.com/scholar?cluster=4046286085567059377&hl=en&oi=scholarr

25. **GEORGE ADJEI** (2023). Variability in white blood cell count during uncomplicated malaria and implications for parasite density estimation: a WorldWide Antimalarial Resistance Network individual .... *Malaria journal*. https://doi.org/10.1186/s12936-023-04583-6

26. Gloria Pokuaa Manu, Catherine Segbefia, Benoit Banga N'guessan, Shadrack Asiedu Coffie, **George Obeng Adjei** (2022). Association Between Selected Single Nucleotide Polymorphisms in Globin and Related Genes and Response to Hydroxyurea Therapy in Ghanaian Children with Sickle Cell Disease. *Pharmacogenomics and Personalized Medicine*. https://doi.org/10.2147/pgpm.s351599

27. Christiana Nsiah-Asamoah, **George Adjei**, Samuel Agblorti, David Teye Doku (2022). Association of maternal characteristics with child feeding indicators and nutritional status of children under-two years in Rural Ghana. *BMC Pediatrics*. https://doi.org/10.1186/s12887-022-03651-1

28. Divine Darlington Logo, Yeetey Enuameh, **George Adjei**, Arti Singh, Emmanuel Nakua, Edward Dassah, Felix Boakye Oppong, Ellis Owusu-Dabo (2022). Effectiveness of school-based interventions for preventing tobacco smoking initiation among young people in low- and middle-income countries: a systematic review protocol. *Systematic Reviews*. https://doi.org/10.1186/s13643-022-02127-8

29. The WorldWide Antimalarial Resistance Network Falciparum Haematology Study Group, Rashid Mansoor, Robert J. Commons, Nicholas M. Douglas, Benjamin Abuaku, Jane Achan, Ishag Adam, **George O. Adjei**, Martin Adjuik, Bereket H. Alemayehu and 90 others (2022). Haematological consequences of acute uncomplicated falciparum malaria: a WorldWide Antimalarial Resistance Network pooled analysis of individual patient data. *BMC Medicine*. https://doi.org/10.1186/s12916-022-02265-9

30. Frank Baiden, Martina Anto-Ocrah, **George Adjei**, Stephaney Gyaase, Jacob Abebrese, Damien Punguyire, Seth Owusu-Agyei, Rachel T. Moresky (2022). Head Injury Prevalence in a Population of Injured Patients Seeking Care in Ghana, West Africa. *Frontiers in Neurology*. https://doi.org/10.3389/fneur.2022.917294

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32. R. Lamptey, M. Amoakoh-Coleman, K. Klipstein-Grobusch, D. Darko, I.A. Agyepong, F. Acheampong, M.E.

Commeh, A. Yawson, D. Grobbee, M. Hadjiconstantinou, M.J. Davies, **G. Obeng Adjei** (2022). IDF21-0472 The effect of structured diabetes self-management education care on glycaemic control in Accra subsequent to COVID-19. *Diabetes Research and Clinical Practice*. https://doi.org/10.1016/j.diabres.2022.109547

33. Joseph K. Adjei, Alberta D. Dayie, Justice K. Addo, Anita Asamoah, Ernest O. Amoako, Benedicta Y. Egoh, Ebenezer Bekoe, Nathaniel O. Ofori, **George A. Adjei**, David K. Essumang (2022). Occurrence, ecological risk assessment and source apportionment of pharmaceuticals, steroid hormones and xenoestrogens in the Ghanaian aquatic environments. *Toxicology Reports*. https://doi.org/10.1016/j.toxrep.2022.06.011
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35. Nathaniel Thompson, Joseph Kweku Adjei, John Kwesi Bentum, David Kofi Essumang, Godfred Odame Duodu, George Hadzi, **George Alimo Adjei** (2022). Vehicular influence on atmospheric concentrations and source apportionment of polycyclic aromatic hydrocarbons in some major cities in three regions of Ghana using epiphytic lichens. *Toxicology Reports*. https://doi.org/10.1016/j.toxrep.2022.08.002
36. Joseph Kweku Adjei, Albert Ofori, Harry Kwaku Megbenu, Thomas Ahenguah, Alex Kissi Boateng, **George Alimoh Adjei**, John Kwesi Bentum, David Kofi Essumang (2021). Health risk and source assessment of semi-volatile phenols, p-chloroaniline and plasticizers in plastic packaged (sachet) drinking water. *The Science of The Total Environment*. https://doi.org/10.1016/j.scitotenv.2021.149008
37. **George Adjei**, Eugene K. M. Darteh, David Teye Doku (2021). Neonatal mortality clustering in the central districts of Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0253573
38. **George Adjei**, Eugene K. M. Darteh, Obed Ernest A. Nettey, David Teye Doku (2021). Neonatal mortality in the central districts of Ghana: analysis of community and composition factors. *BMC Public Health*. https://doi.org/10.1186/s12889-021-10156-6
39. **George O Adjei**, Abdul M Sulley, Bamenla Q Goka, Christabel Enweronu-Laryea, Lorna Renner, Michael Alifrangis, Jorgen A L Kurtzhals (2021). Performance of a Histidine Rich Protein-2 Based (First Response) and a p-Lactate Dehydrogenase-based (Optimal) Rapid Diagnostic Test for Diagnosis of Malaria in Patients With Pediatric Sickle Cell Disease. *Clinical Infectious Diseases*. https://doi.org/10.1093/cid/ciab977
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41. **George O Adjei**, Amos Laar, Jorgen AL Kurtzhals, Bamenla Q Goka (2020). Enrolment of children in clinical research: Understanding Ghanaian caregivers' perspectives on consent/assent procedures, and their attitudes towards storage of biological samples for future use. *Clinical Ethics*. https://doi.org/10.1177/1477750920958570
42. Samuel Mensah, Patrick Opoku Manu Maison, Ishmael Kyei, **George Adjei Adjei**, Martin T. Morna, Samuel Debrah, Ganiyu A. Rahman (2020). Evaluation of External Abdominal Wall Hernia Surgery in a Secondary Level Facility in Kumasi, Ghana. *Journal of Advances in Medicine and Medical Research*. https://doi.org/10.9734/jammr/2020/v32i1130524
43. **George Adjei**, Abdul Sulley, Bamenla Goka, Christabel Enweronu-Laryea, Seth Amponsah, Michael Alifrangis, Jorgen AL Kurtzhals (2020). Plasma Folate Levels in Acutely Ill and Steady State Pediatric Sickle Cell Disease Patients in Ghana. *Journal of Blood Medicine*. https://doi.org/10.2147/jbm.s275150
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45. **George O. Adjei**, Seth K. Amponsah, Bamenla Q. Goka, Christabel Enweronu-Laryea, Lorna Renner, Abdul Malik Sulley, Michael Alifrangis, Jorgen A.L. Kurtzhals (2019). Population Pharmacokinetic Estimates Suggest Elevated Clearance and Distribution Volume of Desethylamodiaquine in Pediatric Patients with Sickle Cell Disease Treated with Artesunate-Amodiaquine. *Current Therapeutic Research*. https://doi.org/

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malaria prevention measures in six sub-Saharan African countries. *Malaria Journal*. https://doi.org/10.1186/s12936-017-2078-3

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