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RESEARCH

Interests	Internal Medicine · International Health
Areas	Epidemiology · Psychiatry and Mental health · Surgery · Endocrinology, Diabetes and Metabolism · Infectious Diseases · Cardiology and Cardiovascular Medicine

RESEARCH SUMMARY

46	485	14	18	2.63	31%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 46 publications listed below, 2014–2026. Field-weighted impact is the mean over the 42 works scored for it; 1.00 is the world average for works of the same field, type and year. 13 of the 42 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Senior Lecturer
Internal Medicine and Therapeutics, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 46

1. Foster Appiah, David Larbi Simpong, Esther Marfo, George Nkrumah Osei, Maxwell Hubert Antwi, Kwaku Sarfo Manu, John Dogah, **Ansumana Bockarie** (2026). Association between lipid levels and dementia risk among older Ghanaian adults. *Journal of Alzheimer s Disease*. https://doi.org/10.1177/13872877261430772
2. Foster Appiah, David Larbi Simpong, George Nkrumah Osei, John Dogah, Esther Marfo, Maxwell Hubert Antwi, David Mawutor Donkor, Kwaku Sarfo Manu, **Ansumana Bockarie** (2026). Blood lipids as accessible biomarkers for early dementia risk screening: Bridging diagnostic gaps in resource-limited settings. *Journal of Alzheimer s Disease Reports*. https://doi.org/10.1177/25424823261475263
3. **Ansumana Bockarie** (2026). Genomic determinants of antibiotic resistance for Helicobacter pylori treatment: a retrospective phenotypic and genotypic observational study. *The Lancet Microbe*. https://www.thelancet.com/journals/lanmic/article/PIIS2666-5247(25)00145-4/fulltext
4. Rexford Adu Gyamfi, Albert Akpalu, **Ansumana Bockarie**, Priscilla Abrafi Opare-Addo, Nana Kwame Ayisi-Boateng, Douglas Anning Opoku, Jude Domfeh Darkwah, Emmanuel Konadu, Agnes Arthur, Kwadwo Agyenim-Boateng and 12 others (2026). Knowledge on hypertension among hypertensive stroke survivors in Ghana: A cross-sectional, multicenter study. *Equity Neuroscience*. https://doi.org/10.1016/j.neuros.2026.100060
5. Albertha Maku Adu, David Larbi Simpong, David Mawutor Donkor, Kwaku Sarfo Manu, Maxwell Hubert Antwi, Linus Kpelle, George Nkrumah Osei, **Ansumana Bockarie** (2026). Parasitic Infections and Associated Cognitive Outcome Among School-Aged Children in Africa: A Systematic Review. *Brain and Behavior*. https://doi.org/10.1002/brb3.71326
6. Fred Stephen Sarfo, Albert Akpalu, **Ansumana S. Bockarie**, Samuel Blay Nguah, Nana Kwame Ayisi-Boateng, Rexford Adu Gyamfi, Agnes Amankwaah Arthur, Christiana Duah, Timothy Fiattor, Kwadwo

Gyebi Agyenim-Boateng and 18 others (2026). Phone-Based Intervention Under Nurse Guidance for Control of Hypertension After Stroke: A Randomized Multicenter Phase 3 Trial in Ghana. *Circulation*. https://doi.org/10.1161/circulationaha.125.077424

7. Linus Kpelle, **Ansumana Bockarie**, Maxwell Hubert Antwi, George Nkrumah Osei, David Mawutor Donkor, David Brodie-Mends, Albertha Maku Adu, David Larbi Simpong (2026). Population disparities in Alzheimer's disease: A systematic review of fluid and neuroimaging biomarkers. *Alzheimer s & Dementia Diagnosis Assessment & Disease Monitoring*. https://doi.org/10.1002/dad2.70263

8. Nana Kwame Ayisi-Boateng, Douglas Aninng Opoku, Jude Domfeh Darkwah, Albert Akpalu, **Ansumana Bockarie**, Emmanuel Konadu, Rexford Adu-Gyamfi, Agnes Arthur, Kwadwo Agyenim-Boateng, Christiana Neizer and 12 others (2026). Quality of life indicators among recent Ghanaian stroke survivors across 10 hospitals: A cross-sectional study. *Equity Neuroscience*. https://doi.org/10.1016/j.neuros.2026.100026

9. **Ansumana Bockarie**, Nana Kwame Ayisi-Boateng, Samuel Blay Nguah, Lambert Tetteh Appiah, Sanaa Afriyie-Ansah, Evans MacCready, Victoria Aba Sam, Nathaniel Adusei Mensah, Raelle Tagge, Kwadwo Agyenim-Boateng, Micheal Ampofo, Ruth Laryea, Rexford Adu Gyamfi, John Humphrey Amuasi, Agnes Arthur, Christiana Neizer, Priscilla Opare-Addo, Bruce Ovbiagele, Fred Stephen Sarfo, Albert Akpalu (2026). The significance of the WHO/ISH absolute cardiovascular risk prediction scores among recent stroke survivors in Ghana—Insights from the PINGS2 multicenter study. *Equity Neuroscience*. https://doi.org/10.1016/j.neuros.2026.100024

10. Jude Domfeh Darkwah, Akpalu Albert, **Ansumana Bockarie**, Nana Kwame Ayisi-Boateng, Emmanuel Konadu, Rexford Adu-Gyamfi, Agnes Arthur, Kwadwo Agyenim-Boateng, Christiana Neizer, Timothy Fiattor and 12 others (2025). Burden of perceived stress among stroke survivors in Ghana: Insights from a multicentre, cross-sectional study. *Journal of Stroke and Cerebrovascular Diseases*. https://doi.org/10.1016/j.jstrokecerebrovasdis.2025.108365

11. Maxwell Hubert Antwi, **Ansumana Bockarie**, George Nkrumah Osei, David Mawutor Donkor, David Larbi Simpong (2025). Cytokines and immune biomarkers in neurodegeneration and cognitive function: A systematic review among individuals of African ancestry. *Alzheimer s & Dementia*. https://doi.org/10.1002/alz.70514

12. George Nkrumah Osei, **Ansumana Bockarie**, Albert Akpalu, Peter Osei-Wusu Adueming, Maxwell Hubert Antwi, Foster Appiah, Linus Kpelle, David Mawutor Donkor, David Larbi Simpong (2025). Diagnostic potential of near-infrared spectroscopy in mild cognitive impairment and neurodegenerative disorders: Implications for resource-limited settings. *Alzheimer s & Dementia*. https://doi.org/10.1002/alz.70769

13. John Dogah, **Ansumana Bockarie**, Eric Kwame Kunkah, Adwoa Abrafi Boampong, George Nkrumah Osei, Kwasi Baffour Gyimah, Stephen Teye, Esther Marfo, David Mawutor Donkor, David Larbi Simpong (2025). Evaluation of sleep quality and its determinants among individuals with diabetes mellitus and/or hypertension: A cross-sectional study. *IBRO Neuroscience Reports*. https://doi.org/10.1016/j.ibneur.2025.06.015

14. Emmanuel Nortey, Leonard Derkyi-Kwarteng, Daniel Amoako-Sakyi, **Ansumana Sandy Bockarie**, Samuel Yeboah, Samuel Acquah (2025). Galectin-3 did not associate with malaria-related insulin resistance in diabetic and non-diabetic respondents at a Ghanaian General Hospital. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0330068

15. David Mawutor Donkor, Esther Marfo, **Ansumana Bockarie**, Edward Jenner Tettevi, Maxwell Hubert Antwi, John Dogah, George Nkrumah Osei, David Larbi Simpong (2025). Genetic and environmental risk factors for dementia in African adults: A systematic review. *Alzheimer s & Dementia*. https://doi.org/10.1002/alz.70220

16. Eric Gyamerah Ofori, Foster KYEI, Cynthia Ayefoumi Adinortey, **Ansumana Sandy Bockarie**, Daniel Boison, Michael Buenor Adinortey (2025). Helicobacter pylori: Detection of dupA, iceA and cagE genes in Ghanaian patients with dyspepsia. *International Journal of Biological and Chemical Sciences*. https://www.ajol.info/index.php/ijbcs/article/view/304061

17. Eric Gyamerah Ofori, Foster Kyei, Emmanuel Ayitey Tagoe, **Ansumana Sandy Bockarie**, Samuel Mawuli Adadey, Osbourne Quaye, Michael Buenor Adinortey, Gordon Akanzuwine Awandare, Cynthia Ayefoumi Adinortey (2025). Mutational analysis of antibiotic resistance genes in Helicobacter pylori from Ghanaian dyspepsia patients: Implications for treatment strategies. *Aspects of Molecular Medicine*. https://doi.org/

10.1016/j.amolm.2025.100078

18. 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

19. **Ansumana Bockarie**, Richael Odarkor Mills, Kofi Ulzen-Appiah, Albert Akpalu, Cecelia Smith-Togobo, Bernice Akua Frimpong, Ishmael Obeng-Ofosu, George Nkrumah Osei, Josephine Anterkyi Bentil, Patrick Adu, David Larbi Simpong (2025). Pattern of central nervous system related diseases and deaths: a 10-year study in a Ghanaian tertiary care facility. *Brain Disorders*. https://doi.org/10.1016/j.dscb.2025.100300

20. Klenam Dzefi-Tettey, Emmanuel Kobina Mesi Edzie, Albert D Piersson, Edmund K Brakohiapa, Harold R Nixon, Emmanuel K Jackson, Kwasi O Armah, **Ansumana S Bockarie**, Henry Kusodzi, Abdul R Asemah (2025). Prevalence and Reporting Rates of Extraspinal Findings for Lumbar Spine Magnetic Resonance Imaging in a Ghanaian Tertiary Hospital. *Cureus*. https://doi.org/10.7759/cureus.82527

21. **Ansumana Sandy Bockarie**, Leonard Derkyi-Kwarteng, Jeffrey Amankona Obeng, Richard Kujo Adatsi, Ebenezer Aniakwaa-Bonsu, Charles Apprey, Jerry Ampofo-Asiama, Samuel Acquah (2025). Prevalence and determinants of insulin resistance in recovered COVID-19 and uninfected residents of two regional capitals in Ghana: An observational study. *PLOS Global Public Health*. https://doi.org/10.1371/journal.pgph.0004506

22. **Ansumana Bockarie**, Tim Baker, Juan Scribante, Muhammed Elhadi, Adesoji Ademuyiwa, Babatunde Osinaike, Christian Owoo, Daniel Sottie, Karima Khalid, Adam Hewitt-Smith and 81 others (2025). The African Critical Illness Outcomes Study (ACIOS): a point prevalence study of critical illness in 22 nations in Africa. *The Lancet*. https://doi.org/10.1016/s0140-6736(24)02846-0

23. Emmanuel Kobina Mesi Edzie, Klenam Dzefi-Tettey, Edmund Kwakye Brakohiapa, Obed Nimo, Peter Appiah-Thompson, Michael Kofi Amedi, **Ansumana Bockarie**, Frank Quarshie, Emmanuel Onimole, Emmanuel Akorli, Richard Anthony, Richard Ato Edzie, Nana Ama Amankwa, Aaron Amartey, Bernard Osei, Bright Oppong, Abdul Raman Asemah, Philip Narteh Gorleku (2024). Evaluation of the ultrasound findings of thyroid gland enlargement in Cape Coast Teaching Hospital, Ghana: A retrospective cross-sectional study. *Health Science Reports*. https://doi.org/10.1002/hsr2.2090

24. David Larbi Simpong, George Nkrumah Osei, Richeal Odarko Mills, Christopher Amaleyele Anyebem, Benjamin Kofi Aikins, Charlotte Gyanwaa Melfah, Bridget Amoanimaa Osei, **Ansumana Bockarie** (2024). Exploration of demographic prevalence of mild cognitive impairment using Montreal cognitive assessment: A cross-sectional pilot study in the Cape Coast Metropolis, Ghana. *IBRO Neuroscience Reports*. https://doi.org/10.1016/j.ibneur.2024.11.008

25. R. Adatsi, F. Pappoe, **A.S. Bockarie**, L. Derkyi-Kwarteng, P. Nsiah, E.W. Weyori, K. Dankwa, E. Aniakwaa-Bonsu, J. Setorglo, S. Acquah (2024). Falciparum malaria is associated with risk markers of type 2 diabetes mellitus in individuals with or without COVID-19 exposure. *African Journal of Clinical and Experimental Microbiology*. https://doi.org/10.4314/ajcem.v25i1.2

26. **Ansumana Bockarie** (2024). Gene content, phage cycle regulation model and prophage inactivation disclosed by prophage genomics in the Helicobacter pylori Genome Project. *Gut microbes*. https://doi.org/10.1080/19490976.2024.2379440

27. Jeffrey Amankona Obeng, Richard Kujo Adatsi, Leonard Derkyi-Kwarteng, **Ansumana Sandy Bockarie**, Samuel Victor Nuvor, Ebenezer Aniakwaa-Bonsu, Paul Nsiah, Samuel Acquah (2024). Increased diabetogenic risk of recovered COVID-19 infection and unexposed respondents in the Central Region of Ghana. *Scientific African*. https://doi.org/10.1016/j.sciaf.2024.e02179

28. Yvonne A. Nartey, **Ansumana S. Bockarie** (2024). Mother-to-child transmission of hepatitis B: current status and the road forward. *Nature Reviews Gastroenterology & Hepatology*. https://doi.org/10.1038/s41575-024-00956-7

29. David Larbi Simpong, **Ansumana Bockarie**, Akosua Bema Kumah, Alex Bismark Atta-Owusu, Mordecai Eshun, Bernice Akua Frimpong, Beatrice Bachella, George Nkrumah Osei (2024). Poor sleep quality remains a major challenge among tertiary education students in Ghana: A cross-sectional study in a

Ghanaian University. *IBRO Neuroscience Reports*. https://doi.org/10.1016/j.ibneur.2024.12.014

30. James Baligeh Walter Russell, Theresa Ruba Koroma, Santigie Sesay, Sallieu Kabay Samura, Sulaiman Lakoh, **Ansumana Bockarie**, Onome Thomas Abiri, Victor Conteh, Sorie Conteh, Mohamed Smith, Othman Z. Mahdi, Durodami R. Lisk (2024). Prevalence and correlates of metabolic syndrome among adults in Freetown, Sierra Leone: A comparative analysis of NCEP ATP III, IDF and harmonized ATP III criteria. *International Journal of Cardiology Cardiovascular Risk and Prevention*. https://doi.org/10.1016/j.ijcrp.2024.200236

31. James Baligeh Walter Russell, Theresa Ruba Koroma, Santigie Sesay, Sallieu Kabay Samura, Sulaiman Lakoh, **Ansumana Bockarie**, Onome Thomas Abir, Joseph Sam Kanu, Joshua Coker, Abdul Jalloh, Victor Conteh, Sorie Conteh, Mohamed Smith, Othman Z Mahdi, Durodami R Lisk (2023). Burden of cardiometabolic risk factors and preclinical target organ damage among adults in Freetown, Sierra Leone: a community-based health-screening survey. *BMJ Open*. https://doi.org/10.1136/bmjopen-2022-067643

32. **A. S. Bockarie**, Y. A. Nartey, P. Nsiah, E. K. M. Edzie, D. Tuoyire, S. Acquah, S. Eliason, B. Nkum (2023). Fatty liver biomarkers and insulin resistance indices in the prediction of non-alcoholic fatty liver disease in Ghanaian patients. *Endocrinology Diabetes & Metabolism*. https://doi.org/10.1002/edm2.456

33. Yvonne Ayerki Nartey, Rafiq Okine, Atsu Seake-Kwawu, Georgia Ghartey, Yaw Karikari Asamoah, Ampem Darko Jnr Siaw, Kafui Senya, Amoako Duah, Alex Owusu-Ofori, Opei Adarkwa, Seth Agyeman, Sally Afua Bampoh, Lindsey Hiebert, Henry Njuguna, Neil Gupta, John W. Ward, Lewis Rowland Roberts, **Ansumana Sandy Bockarie**, Yaw Asante Awuku, Dorcas Obiri-Yeboah (2023). Hepatitis C virus seroprevalence, testing, and treatment capacity in public health facilities in Ghana, 2016–2021; A multi-centre cross-sectional study. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0287580

34. Richard Kujo Adatsi, **Ansumana Sandy Bockarie**, Leonard Derkyi-Kwarteng, Faustina Pappoe, Paul Nsiah, Kwabena Dankwa, Samuel Acquah (2023). Increased insulin resistance with reduced beta cell function in recovered COVID-19 Ghanaians. *Endocrine and Metabolic Science*. https://doi.org/10.1016/j.endmts.2023.100150

35. Kaisa Thorell, Zilia Y. Muñoz-Ramírez, Difei Wang, Santiago Sandoval-Motta, Rajiv Boscolo Agostini, Silvia Ghirotto, Roberto C. Torres, Judith Romero-Gallo, Uma Krishna, Richard M. Peek, … **Ansumana Sandy Bockarie** and 89 others (2023). The Helicobacter pylori Genome Project: insights into H. pylori population structure from analysis of a worldwide collection of complete genomes. *Nature Communications*. https://doi.org/10.1038/s41467-023-43562-y

36. Yvonne Ayerki Nartey, Rafiq Okine, Atsu Seake-Kwawu, Georgia Ghartey, Yaw Karikari Asamoah, Kafui Senya, Amoako Duah, Alex Owusu-Ofori, James Amugsi, Damasus Suglo, Sally Afua Bampoh, Lindsey Hiebert, Henry Njuguna, John W. Ward, Amelie Plymoth, Lewis Rowland Roberts, **Ansumana Sandy Bockarie**, Yaw Asante Awuku, Dorcas Obiri-Yeboah (2022). A nationwide cross-sectional review of in-hospital hepatitis B virus testing and disease burden estimation in Ghana, 2016 - 2021. *BMC Public Health*. https://doi.org/10.1186/s12889-022-14618-3

37. JohnH. Amuasi, Melvin K. Agbogbatey, Fred S. Sarfo, Alexis Beyuo, Kwaku Duah, Patrick Agasiya, Agnes Arthur, Lambert Appiah, Samuel B. Nguah, **Ansumana Bockarie**, Nana K. Ayisi-Boateng, Kwadwo Gyebi Agyenim Boateng, Nathaniel Adusei-Mensah, Albert Akpalu, Bruce Ovbiagele (2022). Feasibility, acceptability, and appropriateness of a mobile health stroke intervention among Ghanaian health workers. *Journal of the Neurological Sciences*. https://doi.org/10.1016/j.jns.2022.120304

38. Michael Buenor Adinortey, Charles Ansah, Jerry Asiedu-Larbi, Samuel Kojo Kwofie, **Ansumana Sandy Bockarie**, Precious Barnes, Benjamin Aboagye, Gideon Kofi Helegbe, Daniel Boison, Alexander Kwadwo Nyarko (2022). In vivo inhibition of gastric acid secretions and H+/K+- ATPase activity, and enhancement of mucin activity by Dissotis rotundifolia plant extract. *Scientific African*. https://doi.org/10.1016/j.sciaf.2022.e01317

39. Yvonne A. Nartey, Samuel O. Antwi, **Ansumana S. Bockarie**, Lindsey Hiebert, Henry Njuguna, John W. Ward, Yaw A. Awuku, Amelie Plymoth, Lewis R. Roberts (2022). Mortality burden due to liver cirrhosis and hepatocellular carcinoma in Ghana; prevalence of risk factors and predictors of poor in-hospital survival. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0274544

40. Fred Stephen Sarfo, Albert Akpalu, **Ansumana Bockarie**, Lambert Appiah, Samuel Blay Nguah, Nana Kwame Ayisi-Boateng, Sheila Adamu, Christiana Neizer, Agnes Arthur, Richard Nyamekye, Kwabena

Agyenim-Boateng, Raelle Tagge, Nathaniel Adusei-Mensah, Michael Ampofo, Ruth Laryea, Arti Singh, John Humphry Amuasi, Bruce Ovbiagele (2021). Phone-Based Intervention under Nurse Guidance after Stroke (PINGS II) Study: Protocol for a Phase III Randomized Clinical Trial. *Journal of Stroke and Cerebrovascular Diseases*. https://doi.org/10.1016/j.jstrokecerebrovasdis.2021.105888

41. Yaw A. Awuku, Afaa T Jibril, **Ansumana S. Bockarie**, Amoako Duah, Kenneth Tachi, Adwoa Agyei-Nkansah, Mary Y. Afihene (2020). Gastroenterology practice in the COVID-19 era: Ghana Association for the Study of Liver and Digestive Diseases (GASLIDD) position statement. *Ghana Medical Journal*. https://doi.org/10.4314/gmj.v54i4s.16

42. Eric Gyamerah Ofori, Cynthia Ayefoumi Adinortey, **Ansumana Sandy Bockarie**, Foster Kyei, Emmanuel Ayitey Tagoe, Michael Buenor Adinortey (2019). Helicobacter pyloriInfection, Virulence Genes' Distribution and Accompanying Clinical Outcomes: The West Africa Situation. *BioMed Research International*. https://doi.org/10.1155/2019/7312908

43. Michael Buenor Adinortey, Charles Ansah, Cynthia Ayefoumi Adinortey, **Ansumana Sandy Bockarie**, Martin Tangnaa Morna, Damian H. Amewowor (2018). Isolation of Helicobacter pylori from Gastric Biopsy of Dyspeptic Patients in Ghana and In Vitro Preliminary Assessment of the Effect of Dissotis rotundifolia Extract on Its Growth. *Journal of Tropical Medicine*. https://doi.org/10.1155/2018/8071081

44. Sebastian Kofi Eliason, **Ansumana Sandy Bockarie**, Cecilia Eliason (2018). Postpartum fertility behaviours and contraceptive use among women in rural Ghana. *Contraception and Reproductive Medicine*. https://doi.org/10.1186/s40834-018-0066-9

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46. S Eliason, DA Tuoyire, C Awusi-Nti, **AS Bockarie** (2014). Migration Intentions of Ghanaian Medical Students: The Influence of existing Funding Mechanisms of Medical Education("The Fee Factor"). *Ghana Medical Journal*. https://doi.org/10.4314/gmj.v48i2.4