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John Alphaeus Andoh

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PhD candidate with the Institute of Social and Preventive Medicine at the University of Bern, applying statistical and mathematical methods in Public Health and Epidemiology.

EDUCATION

Doctor of Philosophy candidate (Graduate School of Health Sciences), University of Bern	2022 – present
Master of Philosophy in Statistics, University of Ghana	2018 — 2020
Bachelor of Science in Actuarial Science, Kwame Nkrumah University of Science & Technology, Ghana	2013 — 2017

WORK EXPERIENCE

PhD STUDENT	NOV 2022 – present
<i>Institute of Social and Preventive Medicine (ISPM), University of Bern</i>	<i>Bern, Switzerland</i>

- Conducting a mathematical modeling project to compare the effectiveness of different cervical cancer prevention policies in Zambia.
- Conducting statistical analyses and writing journal articles as part of the cancer research group and within the framework of the International epidemiology Databases to Evaluate AIDS Southern Africa (IeDEA-SA) collaboration.
- Data management and quality checks of health records of a longitudinal follow-up of study cohorts within the IeDEA cancer projects in Zambia.

RESEARCH ASSISTANT	AUG 2019 — OCT 2022
<i>University of Ghana Statistics Department</i>	<i>Accra, Ghana</i>

- Conducted lab work for departmental research on machine learning, time series, linear models, and forecasting using R and Python.
- Proofread and reviewed journal article submissions from the department.

TEACHING AND RESEARCH ASSISTANT	SEP 2017 — AUG 2018
<i>University of Energy and Natural Resources</i>	<i>Sunyani, Ghana</i>

- Prepared lecture notes, slides, and learning resource materials using $\text{\LaTeX}$.
- Organized tutorials for Actuarial Mathematics and Statistics courses.
- Organized lab sessions for Statistics software tutorials.
- Graded students' assessments.

INSURANCE ANALYST	MAY 2015 — AUG 2015
<i>Broker Relations Department, Vanguard Assurance Company Ltd.</i>	<i>Accra, Ghana</i>

- Motor and property insurance underwriting.
- Motor and property insurance claims processing.
- Managed correspondence between company and broker clients.

PUBLICATIONS AND MANUSCRIPTS

Andoh, J., Taghavi, K., Moono, M., Basu, P., Madliwa, T., Mwanahamuntu, M. H., ... & Rohner, E. Cervical intraepithelial neoplasia progression and regression among women living with HIV in Zambia. *HIV medicine*, 2025 Dec;26(12):1939-1949.

Agbenyega, D. A., Andoh, J., Iddi, S., Asiedu, L. Modelling customs revenue in Ghana using novel time series methods. *Applied Computational Intelligence and Soft Computing*, 2022(1), 2111587.

Andoh, J., Asiedu, L., Lotsi, A., Chapman-Wardy, C. Statistical Analysis of Public Sentiment on the Ghanaian Government: A Machine Learning Approach. *Advances in Human-Computer Interaction*, 2021(1), 5561204.

Yann, R., Andoh, J., Haas, A., Chinogurei, C., Taghavi, K., van Schalkwyk, C., ... & Rohner, E. Association of Immunodeficiency and HIV Viremia with Cervical Precancer and Cancer Risk among Women with HIV in South Africa *Manuscript under revision: Clinical Infectious Diseases*

Andoh, J., Kapesa, K., Msadabwe, S., Manasyan, A., Kamfwa, P., Zulu, W., ... van Schalkwyk, C. The impact of HIV and antiretroviral therapy on cervical cancer burden in Zambia: A modelling study. *Manuscript submitted to Scientific Reports*

AWARDS AND GRANTS

University of Bern Mobility Grant for (Post-)Docs, University of Bern	2024
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CONFERENCES

Oral Presentations

EUROGIN International Multidisciplinary HPV Congress	Stockholm, March 2024
Graduate School of Health Sciences Symposium, University of Bern	Bern, November 2024
Global Health Clinical Research Day 2025, Inselgruppe, University of Bern	Bern, June 2025
Africa-Bern Research Partnership Day 2025, Inselgruppe, University of Bern	Bern, December 2025