

AFRECC · LIST OF PUBLICATIONS

African Esophageal Cancer Corridor

A curated bibliography of research by affiliated members of the African Esophageal Cancer Consortium (AfrECC), organized by category and ordered from latest to oldest within each category.

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DESCRIPTIVE ETIOLOGY

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AETIOLOGY **EXPOSURE CHARACTERIZATION**

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06 **Treatment & Survival / Survivorship**

TREATMENT **SURVIVAL & SURVIVORSHIP**

22 publications

→ **Join the AfrECC Mission**

Contact & Get Involved

CATEGORY 01

Calls to Action, Overviews & Commentaries

Framing papers, advocacy pieces, and synthesizing commentaries that situate the African esophageal cancer burden in a global context. These works call researchers and institutions to coordinated action, provide high-level overviews of the field, and offer editorial perspective on the research landscape.

6 publications · 2022 → 2009

[CALLS TO ACTION](#)

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01

CALLS TO ACTION

OVERVIEWS

Expanding Oesophageal Cancer Research and Care in Eastern Africa.**2022**

AUTHOR [AfrECC Consortium]

YEAR 2022

JOURNAL Nat Rev Cancer 22, no. 5 (May 2022): 253–54.

DOI [10.1038/s41568-022-00458-1](https://doi.org/10.1038/s41568-022-00458-1)

COMMENTARIES

CALLS TO ACTION

Esophageal Cancer in Tanzania: A Welcome Stimulus in Primary Prevention Research.**2021**

AUTHOR McCormack, V., B. Kaimila, B. T. Mmbaga, and J. Schüz.

YEAR 2021

JOURNAL Cancer Epidemiol Biomarkers Prev 30, no. 2 (Feb 2021): 248–51.

DOI [10.1158/1055-9965.Epi-20-1518](https://doi.org/10.1158/1055-9965.Epi-20-1518)

COMMENTARIES

OVERVIEWS

Oesophageal Cancer Hotspots in Africa.**2019**

AUTHOR Kayamba, V.

YEAR 2019

JOURNAL Lancet Gastroenterol Hepatol 4, no. 11 (Nov 2019): 818–20.

DOI [10.1016/s2468-1253\(19\)30253-5](https://doi.org/10.1016/s2468-1253(19)30253-5)

CALLS TO ACTION

The African Esophageal Cancer Consortium: A Call to Action.**2018**

AUTHOR Van Loon, K., M. M. Mwachiro, C. C. Abnet, et al.

YEAR 2018

JOURNAL J Glob Oncol 4 (Sep 2018): 1–9.

DOI [10.1200/jgo.17.00163](https://doi.org/10.1200/jgo.17.00163)

OVERVIEWS

International Cancer Seminars: A Focus on Esophageal Squamous Cell Carcinoma.**2017**

AUTHOR Murphy, G., V. McCormack, B. Abedi-Ardekani, et al.

YEAR 2017

JOURNAL Ann Oncol 28, no. 9 (Sep 1 2017): 2086–93.

DOI [10.1093/annonc/mdx279](https://doi.org/10.1093/annonc/mdx279)

OVERVIEWS

COMMENTARIES

Oesophageal Cancer and Kaposi's Sarcoma in Malawi: A Comparative Analysis.

2009

AUTHOR Mlombe, Y., C. Dzamalala, J. Chisi, and N. Othieno-Abinya.

YEAR 2009

JOURNAL Malawi Med J 21, no. 2 (Jun 2009): 66–8.

DOI [10.4314/mmj.v21i2.44562](https://doi.org/10.4314/mmj.v21i2.44562)

CATEGORY 02

Descriptive Etiology

Prevalence, incidence rates, and geographic distribution mapping. Focused on the "African Esophageal Cancer Corridor" (AECC) statistics. These studies quantify the cancer burden across populations, track trends over time, and map the spatial distribution of esophageal cancer across Sub-Saharan Africa.

12 publications · 2024 → 2001

DESCRIPTIVE ETIOLOGY

02

DESCRIPTIVE ETIOLOGY

Endoscopic Diagnosis of Gastric and Oesophageal Cancer in Lusaka, Zambia: A Retrospective Analysis. 2024

AUTHOR Kayamba, V., M. Mubbunu, and P. Kelly.
YEAR 2024
JOURNAL BMC Gastroenterol 24, no. 1 (Apr 1 2024): 122.
DOI [10.1186/s12876-024-03187-x](https://doi.org/10.1186/s12876-024-03187-x)

DESCRIPTIVE ETIOLOGY

Population-Based Investigation of Common and Deviating Patterns of Gastric Cancer and Oesophageal Cancer Incidence across Populations and Time. 2023

AUTHOR Li, M., J. Y. Park, M. Sheikh, V. Kayamba, et al.
YEAR 2023
JOURNAL Gut 72, no. 5 (May 2023): 846–54.
DOI [10.1136/gut.jn1-2022-328233](https://doi.org/10.1136/gut.jn1-2022-328233)

DESCRIPTIVE ETIOLOGY

Oesophageal Cancer Cases Recorded in the Zambia National Cancer Registry: A Cross-Sectional Study. 2023

AUTHOR Shumba, S., P. Musonda, D. Lombe, G. Chongwe, and V. Kayamba.
YEAR 2023
JOURNAL Pan Afr Med J 44 (2023): 128.
DOI [10.11604/pamj.2023.44.128.32907](https://doi.org/10.11604/pamj.2023.44.128.32907)

DESCRIPTIVE ETIOLOGY

A Concise Review Towards Defining the Exposome of Oesophageal Cancer in Sub-Saharan Africa. 2021

AUTHOR Lipenga, T., L. Matumba, A. Vidal, Z. Herceg, V. McCormack, et al.
YEAR 2021
JOURNAL Environ Int 157 (Dec 2021): 106880.
DOI [10.1016/j.envint.2021.106880](https://doi.org/10.1016/j.envint.2021.106880)

DESCRIPTIVE ETIOLOGY

Characteristics of Esophageal Cancer Cases in Tanzania. 2018

AUTHOR Mmbaga, E. J., K. V. Deardorff, B. Mushi, et al.
YEAR 2018
JOURNAL J Glob Oncol 4 (Sep 2018): 1–10.
DOI [10.1200/jgo.2016.006619](https://doi.org/10.1200/jgo.2016.006619)

DESCRIPTIVE ETIOLOGY

Esophageal Cancer Male to Female Incidence Ratios in Africa: A Systematic Review and Meta-Analysis of Geographic, Time and Age Trends. 2018

AUTHOR Middleton, D. R. S., L. Bouaoun, R. Hanisch, F. Bray, C. Dzamalala, et al.

YEAR 2018

JOURNAL Cancer Epidemiol 53 (Apr 2018): 119–28.

DOI [10.1016/j.canep.2018.01.020](https://doi.org/10.1016/j.canep.2018.01.020)

DESCRIPTIVE ETIOLOGY

Three-Year Cancer Incidence in Blantyre, Malawi (2008–2010). 2017

AUTHOR Chasimpha, S. J. D., D. M. Parkin, L. Masamba, and C. P. Dzamalala.

YEAR 2017

JOURNAL Int J Cancer 141, no. 4 (Aug 15 2017): 694–700.

DOI [10.1002/ijc.30777](https://doi.org/10.1002/ijc.30777)

DESCRIPTIVE ETIOLOGY

Trends in Upper Gastrointestinal Diagnosis over Four Decades in Lusaka, Zambia: A Retrospective Analysis of Endoscopic Findings. 2015

AUTHOR Kayamba, V., E. Sinkala, S. Mwanamakondo, et al.

YEAR 2015

JOURNAL BMC Gastroenterol 15 (Oct 6 2015): 127.

DOI [10.1186/s12876-015-0353-8](https://doi.org/10.1186/s12876-015-0353-8)

DESCRIPTIVE ETIOLOGY

Esophageal Cancer in Young People: A Case Series of 109 Cases and Review of the Literature. 2010

AUTHOR Dawsey, S. P., S. Tonui, R. K. Parker, et al.

YEAR 2010

JOURNAL PLoS One 5, no. 11 (Nov 22 2010): e14080.

DOI [10.1371/journal.pone.0014080](https://doi.org/10.1371/journal.pone.0014080)

DESCRIPTIVE ETIOLOGY

Frequent Occurrence of Esophageal Cancer in Young People in Western Kenya. 2010

AUTHOR Parker, R. K., S. M. Dawsey, C. C. Abnet, and R. E. White.

YEAR 2010

JOURNAL Dis Esophagus 23, no. 2 (Feb 2010): 128–35.

DOI [10.1111/j.1442-2050.2009.00977.x](https://doi.org/10.1111/j.1442-2050.2009.00977.x)

DESCRIPTIVE ETIOLOGY

Oesophageal Cancer: A Common Malignancy in Young People of Bomet District, Kenya.

2002

AUTHOR White, R. E., C. C. Abnet, C. K. Mungatana, and S. M. Dawsey.

YEAR 2002

JOURNAL Lancet 360, no. 9331 (Aug 10 2002): 462–3.

DOI [10.1016/S0140-6736\(02\)09639-3](https://doi.org/10.1016/S0140-6736(02)09639-3)

DESCRIPTIVE ETIOLOGY

Cancer Incidence in Blantyre, Malawi 1994–1998.

2001

AUTHOR Banda, L. T., D. M. Parkin, C. P. Dzumalala, and N. G. Liomba.

YEAR 2001

JOURNAL Trop Med Int Health 6, no. 4 (Apr 2001): 296–304.

DOI [10.1046/j.1365-3156.2001.00707.x](https://doi.org/10.1046/j.1365-3156.2001.00707.x)

CATEGORY 03

Aetiology

Studies of hot beverages, PAHs, and environmental toxins. Detailed measurement of how environmental factors interact with the host. Covers tobacco, alcohol, biomass smoke, dental health, mycotoxins, and microbial exposures — characterizing the full etiologic landscape of esophageal squamous cell carcinoma in the AECC.

25 publications · 2025 → 2005

AETIOLOGY

EXPOSURE CHARACTERIZATION

03

AETIOLOGY EXPOSURE CHARACTERIZATION

Multiple Mycotoxin Exposure Assessment through Human Biomonitoring in an Esophageal Cancer Case-Control Study in the Arsi-Bale Districts of Oromia Region of Ethiopia. 2025

AUTHOR Mulisa, G., R. Pero-Gascon, V. McCormack, et al.

YEAR 2025

JOURNAL Int J Hyg Environ Health 263 (Jan 2025): 114466.

DOI [10.1016/j.ijheh.2024.114466](https://doi.org/10.1016/j.ijheh.2024.114466)

AETIOLOGY EXPOSURE CHARACTERIZATION

Poor Oral Health and the Risk of Esophageal Squamous Cell Carcinoma in Malawi. 2024

AUTHOR Kaimila, B., Y. Yano, G. Mulima, Y. Chen, et al.

YEAR 2024

JOURNAL Int J Cancer 154, no. 9 (May 1 2024): 1587–95.

DOI [10.1002/ijc.34829](https://doi.org/10.1002/ijc.34829)

AETIOLOGY EXPOSURE CHARACTERIZATION

Hot Beverage Consumption in the African Esophageal Cancer Corridor: A Community-Based Thermal Exposure Measurement Study across the Lifespan. 2024

AUTHOR Menya, D., L. Bouaoun, T. Chepkomoi, et al.

YEAR 2024

JOURNAL Cancer Epidemiol 92 (Oct 2024): 102614.

DOI [10.1016/j.canep.2024.102614](https://doi.org/10.1016/j.canep.2024.102614)

AETIOLOGY EXPOSURE CHARACTERIZATION

The Contribution of Smoking and Smokeless Tobacco to Oesophageal Squamous Cell Carcinoma Risk in the African Oesophageal Cancer Corridor: Results from the ESCCAPE Multicentre Case-Control Studies. 2023

AUTHOR Simba, H., D. Menya, B. T. Mmbaga, C. Dzamalala, et al.

YEAR 2023

JOURNAL Int J Cancer 152, no. 11 (Jun 1 2023): 2269–82.

DOI [10.1002/ijc.34458](https://doi.org/10.1002/ijc.34458)

AETIOLOGY EXPOSURE CHARACTERIZATION

An International Report on Bacterial Communities in Esophageal Squamous Cell Carcinoma. 2022

AUTHOR Nomburg, J., S. Bullman, D. Nasrollahzadeh, et al.

YEAR 2022

JOURNAL Int J Cancer 151, no. 11 (Dec 1 2022): 1947–59.

DOI [10.1002/ijc.34212](https://doi.org/10.1002/ijc.34212)

AETIOLOGY EXPOSURE CHARACTERIZATION

A Very-Hot Food and Beverage Thermal Exposure Index and Esophageal Cancer Risk in Malawi and Tanzania: Findings from the ESCCAPE Case-Control Studies. 2022

AUTHOR Masukume, G., B. T. Mmbaga, C. P. Dzamalala, et al.

YEAR 2022

JOURNAL Br J Cancer 127, no. 6 (Oct 2022): 1106–15.

DOI [10.1038/s41416-022-01890-8](https://doi.org/10.1038/s41416-022-01890-8)

AETIOLOGY EXPOSURE CHARACTERIZATION

Tobacco and Other Risk Factors for Esophageal Squamous Cell Carcinoma in Lilongwe Malawi: Results from the Lilongwe Esophageal Cancer Case-Control Study. 2022

AUTHOR Kaimila, B., G. Mulima, C. Kajombo, et al.

YEAR 2022

JOURNAL PLOS Glob Public Health 2, no. 6 (2022): e0000135.

DOI [10.1371/journal.pgph.0000135](https://doi.org/10.1371/journal.pgph.0000135)

AETIOLOGY EXPOSURE CHARACTERIZATION

Alcohol Consumption as a Risk Factor for Oesophageal Squamous Cell Carcinoma Risk in Sub-Saharan Africa. 2022

AUTHOR Kayamba, V.

YEAR 2022

JOURNAL Lancet Glob Health 10, no. 2 (Feb 2022): e165–e66.

DOI [10.1016/s2214-109x\(21\)00569-6](https://doi.org/10.1016/s2214-109x(21)00569-6)

AETIOLOGY EXPOSURE CHARACTERIZATION

Risk Factors Associated with Early-Onset Esophageal Cancer in Tanzania. 2022

AUTHOR Buckle, G. C., E. J. Mmbaga, A. Paciorek, et al.

YEAR 2022

JOURNAL JCO Glob Oncol 8 (Feb 2022): e2100256.

DOI [10.1200/go.21.00256](https://doi.org/10.1200/go.21.00256)

AETIOLOGY EXPOSURE CHARACTERIZATION

Alcohol Consumption and Oesophageal Squamous Cell Cancer Risk in East Africa: Findings from the Large Multicentre ESCCAPE Case-Control Study in Kenya, Tanzania, and Malawi. 2022

AUTHOR Middleton, D. R. S., B. T. Mmbaga, D. Menya, et al.

YEAR 2022

JOURNAL Lancet Glob Health 10, no. 2 (Feb 2022): e236–e45.

DOI [10.1016/s2214-109x\(21\)00506-4](https://doi.org/10.1016/s2214-109x(21)00506-4)

AETIOLOGY EXPOSURE CHARACTERIZATION

The Evidence Gap between Alcohol Consumption and Oesophageal Squamous Cell Carcinoma in East Africa — Authors' Reply. 2022

AUTHOR McCormack, V., D. R. S. Middleton, B. T. Mmbaga, et al.

YEAR 2022

JOURNAL Lancet Glob Health 10, no. 5 (May 2022): e623.

DOI [10.1016/s2214-109x\(22\)00116-4](https://doi.org/10.1016/s2214-109x(22)00116-4)

AETIOLOGY EXPOSURE CHARACTERIZATION

Indoor Wood Combustion, Carcinogenic Exposure and Esophageal Cancer in Southwest Kenya. 2021

AUTHOR Mwachiro, M. M., N. Pritchett, A. M. Calafat, et al.

YEAR 2021

JOURNAL Environ Int 152 (Jul 2021): 106485.

DOI [10.1016/j.envint.2021.106485](https://doi.org/10.1016/j.envint.2021.106485)

AETIOLOGY EXPOSURE CHARACTERIZATION

A Case-Control Study to Evaluate Environmental and Lifestyle Risk Factors for Esophageal Cancer in Tanzania. 2021

AUTHOR Mmbaga, E. J., B. P. Mushi, K. Deardorff, et al.

YEAR 2021

JOURNAL Cancer Epidemiol Biomarkers Prev 30, no. 2 (Feb 2021): 305–16.

DOI [10.1158/1055-9965.Epi-20-0660](https://doi.org/10.1158/1055-9965.Epi-20-0660)

AETIOLOGY EXPOSURE CHARACTERIZATION

Missing and Decayed Teeth, Oral Hygiene and Dental Staining in Relation to Esophageal Cancer Risk: ESCCAPE Case-Control Study in Kilimanjaro, Tanzania. 2021

AUTHOR Mmbaga, B. T., A. Mwasamwaja, G. Mushi, et al.

YEAR 2021

JOURNAL Int J Cancer 148, no. 10 (May 15 2021): 2416–28.

DOI [10.1002/ijc.33433](https://doi.org/10.1002/ijc.33433)

AETIOLOGY EXPOSURE CHARACTERIZATION

Geophagia and Risk of Squamous Cell Esophageal Cancer in the African Esophageal Cancer Corridor: Findings from the ESCCAPE Multicountry Case-Control Studies. 2021

AUTHOR Narh, C. T., C. P. Dzamalala, B. T. Mmbaga, D. Menya, et al.

YEAR 2021

JOURNAL Int J Cancer 149, no. 6 (Sep 15 2021): 1274–83.

DOI [10.1002/ijc.33688](https://doi.org/10.1002/ijc.33688)

AETIOLOGY EXPOSURE CHARACTERIZATION

Cancer Spectrum in HIV-Infected Patients: A Zonal Hospital Experience in Tanzania. 2020

AUTHOR Mremi, A., J. Mswima, M. G. Mlay, et al.
YEAR 2020
JOURNAL Cancer Treat Res Commun 25 (2020): 100213.
DOI [10.1016/j.ctarc.2020.100213](https://doi.org/10.1016/j.ctarc.2020.100213)

AETIOLOGY EXPOSURE CHARACTERIZATION

Traditional and Commercial Alcohols and Esophageal Cancer Risk in Kenya. 2019

AUTHOR Menya, D., N. Kigen, M. Oduor, et al.
YEAR 2019
JOURNAL Int J Cancer 144, no. 3 (Feb 1 2019): 459–69.
DOI [10.1002/ijc.31804](https://doi.org/10.1002/ijc.31804)

AETIOLOGY EXPOSURE CHARACTERIZATION

Dental Fluorosis and Oral Health in the African Esophageal Cancer Corridor: Findings from the Kenya ESCCAPE Case-Control Study and a Pan-African Perspective. 2019

AUTHOR Menya, D., S. K. Maina, C. Kibosia, et al.
YEAR 2019
JOURNAL Int J Cancer 145, no. 1 (Jul 1 2019): 99–109.
DOI [10.1002/ijc.32086](https://doi.org/10.1002/ijc.32086)

AETIOLOGY EXPOSURE CHARACTERIZATION

Hot Beverages and Oesophageal Cancer Risk in Western Kenya: Findings from the ESCCAPE Case-Control Study. 2019

AUTHOR Middleton, D. R., D. Menya, N. Kigen, et al.
YEAR 2019
JOURNAL Int J Cancer 144, no. 11 (Jun 1 2019): 2669–76.
DOI [10.1002/ijc.32032](https://doi.org/10.1002/ijc.32032)

AETIOLOGY EXPOSURE CHARACTERIZATION

Esophageal Thermal Exposure to Hot Beverages: A Comparison of Metrics to Discriminate Distinct Consumption Habits. 2019

AUTHOR Middleton, D. R. S., S. H. Xie, L. Bouaoun, et al.
YEAR 2019
JOURNAL Cancer Epidemiol Biomarkers Prev 28, no. 12 (Dec 2019): 2005–13.
DOI [10.1158/1055-9965.Epi-19-0856](https://doi.org/10.1158/1055-9965.Epi-19-0856)

AETIOLOGY EXPOSURE CHARACTERIZATION

Investigating Tea Temperature and Content as Risk Factors for Esophageal Cancer in an Endemic Region of Western Kenya 2019

AUTHOR Mwachiro, M. M., R. K. Parker, N. R. Pritchett, et al.

YEAR 2019

JOURNAL Cancer Epidemiol 60 (Jun 2019): 60–66.

DOI [10.1016/j.canep.2019.03.010](https://doi.org/10.1016/j.canep.2019.03.010)

AETIOLOGY EXPOSURE CHARACTERIZATION TREATMENT

Through-the-Scope Esophageal Stents for Malignant Dysphagia: A Double-Edged Sword? 2019

AUTHOR Mwachiro, M.

YEAR 2019

JOURNAL Gastrointest Endosc 90, no. 6 (Dec 2019): 980–82.

DOI [10.1016/j.gie.2019.08.022](https://doi.org/10.1016/j.gie.2019.08.022)

AETIOLOGY EXPOSURE CHARACTERIZATION

Cancer Epidemiology Fieldwork in a Resource-Limited Setting: Experience from the Western Kenya ESCCAPE Esophageal Cancer Case-Control Pilot Study. 2018

AUTHOR Menya, D., M. Oduor, N. Kigen, et al.

YEAR 2018

JOURNAL Cancer Epidemiol 57 (Dec 2018): 45–52.

DOI [10.1016/j.canep.2018.09.006](https://doi.org/10.1016/j.canep.2018.09.006)

AETIOLOGY EXPOSURE CHARACTERIZATION

Frequent HIV and Young Age among Individuals with Diverse Cancers at a National Teaching Hospital in Malawi. 2018

AUTHOR Horner, M. J., A. Salima, C. Chilima, et al.

YEAR 2018

JOURNAL J Glob Oncol 4 (Jul 2018): 1–11.

DOI [10.1200/jgo.17.00174](https://doi.org/10.1200/jgo.17.00174)

AETIOLOGY EXPOSURE CHARACTERIZATION

Informing Etiologic Research Priorities for Squamous Cell Esophageal Cancer in Africa: A Review of Setting-Specific Exposures to Known and Putative Risk Factors. 2017

AUTHOR McCormack, V. A., D. Menya, M. O. Munishi, C. Dzamalala, et al.

YEAR 2017

JOURNAL Int J Cancer 140, no. 2 (Jan 15 2017): 259–71.

DOI [10.1002/ijc.30292](https://doi.org/10.1002/ijc.30292)

AETIOLOGY EXPOSURE CHARACTERIZATION

Exposure to Biomass Smoke as a Risk Factor for Oesophageal and Gastric Cancer in Low-Income Populations: A Systematic Review. 2017

AUTHOR Kayamba, V., D. C. Heimbürger, D. R. Morgan, et al.

YEAR 2017

JOURNAL Malawi Med J 29, no. 2 (Jun 2017): 212–17.

DOI [10.4314/mmj.v29i2.25](https://doi.org/10.4314/mmj.v29i2.25)

AETIOLOGY EXPOSURE CHARACTERIZATION

Cross Sectional Study of Serum Selenium Concentration and Esophageal Squamous Dysplasia in Western Kenya. 2017

AUTHOR Pritchett, N. R., S. L. Burgert, G. A. Murphy, et al.

YEAR 2017

JOURNAL BMC Cancer 17, no. 1 (Dec 8 2017): 835.

DOI [10.1186/s12885-017-3837-9](https://doi.org/10.1186/s12885-017-3837-9)

AETIOLOGY EXPOSURE CHARACTERIZATION

Esophageal Squamous Cell Cancer in a Highly Endemic Region. 2016

AUTHOR Asombang, A. W., V. Kayamba, M. M. Lisulo, et al.

YEAR 2016

JOURNAL World J Gastroenterol 22, no. 9 (Mar 7 2016): 2811–7.

DOI [10.3748/wjg.v22.i9.2811](https://doi.org/10.3748/wjg.v22.i9.2811)

AETIOLOGY EXPOSURE CHARACTERIZATION

Environmental Risk Factors for Oesophageal Cancer in Malawi: A Case-Control Study. 2015

AUTHOR Mlombe, Y. B., N. E. Rosenberg, L. L. Wolf, C. P. Dzamalala, et al.

YEAR 2015

JOURNAL Malawi Med J 27, no. 3 (Sep 2015): 88–92.

DOI [10.4314/mmj.v27i3.3](https://doi.org/10.4314/mmj.v27i3.3)

AETIOLOGY EXPOSURE CHARACTERIZATION

Africa's Oesophageal Cancer Corridor: Do Hot Beverages Contribute? 2015

AUTHOR Munishi, M. O., R. Hanisch, O. Mapunda, et al.

YEAR 2015

JOURNAL Cancer Causes Control 26, no. 10 (Oct 2015): 1477–86.

DOI [10.1007/s10552-015-0646-9](https://doi.org/10.1007/s10552-015-0646-9)

AETIOLOGY EXPOSURE CHARACTERIZATION

Africa's Oesophageal Cancer Corridor: Geographic Variations in Incidence Correlate with Certain Micronutrient Deficiencies. 2015

AUTHOR Schaafsma, T., J. Wakefield, R. Hanisch, et al.

YEAR 2015

JOURNAL PLoS One 10, no. 10 (2015): e0140107.

DOI [10.1371/journal.pone.0140107](https://doi.org/10.1371/journal.pone.0140107)

AETIOLOGY EXPOSURE CHARACTERIZATION

HIV Infection and Domestic Smoke Exposure, but Not Human Papillomavirus, Are Risk Factors for Esophageal Squamous Cell Carcinoma in Zambia: A Case-Control Study. 2015

AUTHOR Kayamba, V., A. C. Bateman, A. W. Asombang, et al.

YEAR 2015

JOURNAL Cancer Med 4, no. 4 (Apr 2015): 588–95.

DOI [10.1002/cam4.434](https://doi.org/10.1002/cam4.434)

AETIOLOGY EXPOSURE CHARACTERIZATION

Alcohol and Acetaldehyde in African Fermented Milk Mursik — A Possible Etiologic Factor for High Incidence of Esophageal Cancer in Western Kenya. 2013

AUTHOR Nieminen, M. T., L. Novak-Frazer, R. Collins, et al.

YEAR 2013

JOURNAL Cancer Epidemiol Biomarkers Prev 22, no. 1 (Jan 2013): 69–75.

DOI [10.1158/1055-9965.Epi-12-0908](https://doi.org/10.1158/1055-9965.Epi-12-0908)

AETIOLOGY EXPOSURE CHARACTERIZATION

Absence of Human Papillomavirus in Esophageal Carcinomas from Southwestern Kenya. 2005

AUTHOR White, R. E., C. Mungatana, G. Mutuma, et al.

YEAR 2005

JOURNAL Dis Esophagus 18, no. 1 (2005): 28–30.

DOI [10.1111/j.1442-2050.2005.00452.x](https://doi.org/10.1111/j.1442-2050.2005.00452.x)

CATEGORY 04

Genetics & Genomics

Genetic risk factors and mechanistic pathways. Including GWAS studies, molecular profiling of tumors, DNA methylation, mutational signatures, and genomic analysis of esophageal squamous cell carcinoma in African populations. These studies illuminate the biological underpinnings of AECC-region cancer susceptibility.

5 publications · 2026 → 2016

GENETICS & GENOMICS

04

GENETICS & GENOMICS

Validation of Methylated DNA Markers for Esophageal Squamous Cancer: An International Study. 2026

AUTHOR Matchett, C. L., S. W. Slettedahl, W. R. Taylor, et al.

YEAR 2026

JOURNAL Cancer Prev Res (Phila) (Jan 13 2026).

DOI [10.1158/1940-6207.Capr-25-0383](https://doi.org/10.1158/1940-6207.Capr-25-0383)

GENETICS & GENOMICS

A Genomic Analysis of Esophageal Squamous Cell Carcinoma in Eastern Africa. 2023

AUTHOR Van Loon, K., E. J. Mmbaga, B. P. Mushi, et al.

YEAR 2023

JOURNAL Cancer Epidemiol Biomarkers Prev 32, no. 10 (Oct 2 2023): 1411–20.

DOI [10.1158/1055-9965.Epi-22-0775](https://doi.org/10.1158/1055-9965.Epi-22-0775)

GENETICS & GENOMICS

Mutational Signatures in Esophageal Squamous Cell Carcinoma from Eight Countries with Varying Incidence. 2021

AUTHOR Moody, S., S. Senkin, S. M. A. Islam, et al.

YEAR 2021

JOURNAL Nat Genet 53, no. 11 (Nov 2021): 1553–63.

DOI [10.1038/s41588-021-00928-6](https://doi.org/10.1038/s41588-021-00928-6)

GENETICS & GENOMICS

Genome-Wide DNA Methylation Profiling of Esophageal Squamous Cell Carcinoma from Global High-Incidence Regions Identifies Crucial Genes and Potential Cancer Markers. 2021

AUTHOR Talukdar, F. R., S. C. Soares Lima, R. Khoueiry, et al.

YEAR 2021

JOURNAL Cancer Res 81, no. 10 (May 15 2021): 2612–24.

DOI [10.1158/0008-5472.Can-20-3445](https://doi.org/10.1158/0008-5472.Can-20-3445)

GENETICS & GENOMICS

Subtyping Sub-Saharan Esophageal Squamous Cell Carcinoma by Comprehensive Molecular Analysis. 2016

AUTHOR Liu, W., J. M. Snell, W. R. Jeck, et al.

YEAR 2016

JOURNAL JCI Insight 1, no. 16 (Oct 6 2016): e88755.

DOI [10.1172/jci.insight.88755](https://doi.org/10.1172/jci.insight.88755)

CATEGORY 05

Early Detection

Screening for asymptomatic precursor lesions (ESD). Development of secondary prevention strategies and biomarker research. These studies investigate tools and strategies — including esophageal sponge cytology, Lugol's chromoendoscopy, and risk-stratification questionnaires — to detect esophageal dysplasia before malignant transformation.

7 publications · 2022 → 2016

EARLY DETECTION

05

EARLY DETECTION

Prevalence of Esophageal Squamous Dysplasia in Relatives of Patients with Esophageal Cancer in Southwestern Kenya. 2022

AUTHOR Lando, J. O., M. M. Mwachiro, R. K. Parker, et al.

YEAR 2022

JOURNAL Cancer Epidemiol 78 (Jun 2022): 102141.

DOI [10.1016/j.canep.2022.102141](https://doi.org/10.1016/j.canep.2022.102141)

EARLY DETECTION

Esophageal Sponge Sampling: A Promising Approach for Early Detection of Esophageal Cancer in Africa's High-Incidence Region. 2021

AUTHOR Buckle, G. C.

YEAR 2021

JOURNAL Int J Cancer 148, no. 7 (Apr 1 2021): 1546–47.

DOI [10.1002/ijc.33372](https://doi.org/10.1002/ijc.33372)

EARLY DETECTION

Minimally Invasive Esophageal Sponge Cytology Sampling Is Feasible in a Tanzanian Community Setting. 2021

AUTHOR Middleton, D. R. S., B. T. Mmbaga, M. O'Donovan, et al.

YEAR 2021

JOURNAL Int J Cancer 148, no. 5 (Mar 1 2021): 1208–18.

DOI [10.1002/ijc.33366](https://doi.org/10.1002/ijc.33366)

EARLY DETECTION

The Use of Questionnaire-Based Risk-Stratification Tools in Screening for Esophageal Squamous Cell Carcinoma. 2021

AUTHOR Mwachiro, M. M., and S. M. Dawsey.

YEAR 2021

JOURNAL Gastrointest Endosc 93, no. 1 (Jan 2021): 119–21.

DOI [10.1016/j.gie.2020.07.023](https://doi.org/10.1016/j.gie.2020.07.023)

EARLY DETECTION

Larger Esophageal Lugol's Unstained Lesions Need More Follow-Up: Size as an Important Predictor for Risk of Premalignant Lesions. 2021

AUTHOR Mwachiro, M. M., and S. M. Dawsey.

YEAR 2021

JOURNAL Gastrointest Endosc 93, no. 5 (May 2021): 1074–76.

DOI [10.1016/j.gie.2020.11.010](https://doi.org/10.1016/j.gie.2020.11.010)

EARLY DETECTION

Predicting the Risk of Esophageal High-Grade Lesions in Opportunistic Screening.

2020

AUTHOR Etemadi, A., S. M. Dawsey, C. C. Abnet, and M. M. Mwachiro.

YEAR 2020

JOURNAL *Gastrointest Endosc* 92, no. 5 (Nov 2020): 1136–37.DOI [10.1016/j.gie.2020.05.051](https://doi.org/10.1016/j.gie.2020.05.051)

EARLY DETECTION

Esophageal Squamous Dysplasia Is Common in Asymptomatic Kenyans: A Prospective, Community-Based, Cross-Sectional Study.

2016

AUTHOR Mwachiro, M. M., S. L. Burgert, J. Lando, et al.

YEAR 2016

JOURNAL *Am J Gastroenterol* 111, no. 4 (Apr 2016): 500–7.DOI [10.1038/ajg.2016.26](https://doi.org/10.1038/ajg.2016.26)

CATEGORY 06

Treatment & Survival / Survivorship

Clinical trials, stent placement, and surgical outcomes — focusing on accessible treatment modalities and palliation standards; alongside outcomes, quality of life, and post-treatment follow-up, understanding long-term patient journeys in the region. Papers in this section may carry one or both of the tags below.

22 publications · 2025 → 2001

TREATMENT

SURVIVAL & SURVIVORSHIP

06

TREATMENT SURVIVAL & SURVIVORSHIP

Treatment Outcomes of Esophageal Cancer in Malawi: An Analysis of Overall Survival and Patient-Reported Outcomes. 2025

AUTHOR Mulima, G., G. N. Mody, B. Kaimila, et al.

YEAR 2025

JOURNAL JCO Glob Oncol 11 (Nov 2025): e2500221.

DOI [10.1200/go-25-00221](https://doi.org/10.1200/go-25-00221)

TREATMENT

Esophageal Cancer Staging in Malawi: The Feasibility of Chest Radiography and Abdominal Ultrasound for Initial Evaluation. 2025

AUTHOR Williams, B. M., G. Mulima, B. Kaimila, et al.

YEAR 2025

JOURNAL BMC Gastroenterol 25, no. 1 (Nov 27 2025): 843.

DOI [10.1186/s12876-025-04378-w](https://doi.org/10.1186/s12876-025-04378-w)

SURVIVAL & SURVIVORSHIP

Spatiotemporal Distribution, Time to Treatment Outcome Clustering and Determinants of Esophageal Cancer in Ethiopia, a Scoping Study. 2024

AUTHOR Beyen, T. K., E. Seife, A. M. Gurara, V. McCormack, et al.

YEAR 2024

JOURNAL Cancer Control 31 (Jan-Dec 2024): 10732748241251712.

DOI [10.1177/10732748241251712](https://doi.org/10.1177/10732748241251712)

TREATMENT

Clinical Trials in Gastroesophageal Cancers: An Analysis of the Global Landscape of Interventional Trials from ClinicalTrials.gov. 2024

AUTHOR Falade, A. S., O. Adeoye, K. Van Loon, and G. C. Buckle.

YEAR 2024

JOURNAL JCO Glob Oncol 10 (Aug 2024): e2400169.

DOI [10.1200/go.24.00169](https://doi.org/10.1200/go.24.00169)

SURVIVAL & SURVIVORSHIP

Survival after Diagnosis of Esophageal Squamous Cell Carcinoma in Malawi. 2023

AUTHOR Kaimila, B., Y. Chen, G. Mulima, et al.

YEAR 2023

JOURNAL JCO Glob Oncol 9 (Sep 2023): e2300173.

DOI [10.1200/go.23.00173](https://doi.org/10.1200/go.23.00173)

TREATMENT SURVIVAL & SURVIVORSHIP

Treatment Outcomes of Esophageal Cancer in Eastern Africa: Protocol of a Multi-Center, Prospective, Observational, Open Cohort Study. 2022

AUTHOR Buckle, G. C., A. Mrema, M. Mwachiro, et al.

YEAR 2022

JOURNAL BMC Cancer 22, no. 1 (Jan 19 2022): 82.

DOI [10.1186/s12885-021-09124-5](https://doi.org/10.1186/s12885-021-09124-5)

TREATMENT

Management of Esophageal Cancer Treatment in Resource-Limited Settings. 2022

AUTHOR Mwachiro, M., and R. White.

YEAR 2022

JOURNAL Thorac Surg Clin 32, no. 3 (Aug 2022): 397–404.

DOI [10.1016/j.thorsurg.2022.04.007](https://doi.org/10.1016/j.thorsurg.2022.04.007)

TREATMENT

Predictors of Adverse Events and Early Mortality after Esophageal Stent Placement in a Low Resource Setting: A Series of 3823 Patients in Kenya. 2022

AUTHOR Mwachiro, M., R. Parker, J. Lando, et al.

YEAR 2022

JOURNAL Endosc Int Open 10, no. 4 (Apr 2022): E479–E487.

DOI [10.1055/a-1783-9829](https://doi.org/10.1055/a-1783-9829)

TREATMENT

Optimal Management of Esophageal Cancer in Africa: A Systemic Review of Treatment Strategies. 2021

AUTHOR Buckle, G. C., R. Mahapatra, M. Mwachiro, et al.

YEAR 2021

JOURNAL Int J Cancer 148, no. 5 (Mar 1 2021): 1115–31.

DOI [10.1002/ijc.33299](https://doi.org/10.1002/ijc.33299)

TREATMENT

Improving Access to Self-Expanding Metal Stents for Patients with Esophageal Cancer in Eastern Africa: A Stepwise Implementation Strategy. 2021

AUTHOR Mushi, B. P., M. M. Mwachiro, G. Buckle, et al.

YEAR 2021

JOURNAL JCO Glob Oncol 7 (Jan 2021): 118–26.

DOI [10.1200/go.20.00318](https://doi.org/10.1200/go.20.00318)

TREATMENT

Gastrointestinal Endoscopy Experience of Surgical Trainees Throughout Rural Africa. 2021

AUTHOR Parker, R. K., M. M. Mwachiro, H. M. Topazian, et al.

YEAR 2021

JOURNAL Surg Endosc 35, no. 12 (Dec 2021): 6708–16.

DOI [10.1007/s00464-020-08174-3](https://doi.org/10.1007/s00464-020-08174-3)

TREATMENT

The Role of Endoscopy after Upper Gastrointestinal Bleeding in Sub-Saharan Africa: A Prospective Observational Cohort Study. 2020

AUTHOR Gallaher, J. R., G. Mulima, J. Qureshi, et al.

YEAR 2020

JOURNAL Malawi Med J 32, no. 3 (Sep 2020): 139–45.

DOI [10.4314/mmj.v32i3.6](https://doi.org/10.4314/mmj.v32i3.6)

TREATMENT

Human Epidermal Growth Factor Receptor 2 Overexpression in Gastric and Gastroesophageal Junction Adenocarcinoma in Patients Seen at the University Teaching Hospital, Lusaka, Zambia. 2020

AUTHOR Kasochi, C., P. Julius, I. Mweemba, and V. Kayamba.

YEAR 2020

JOURNAL Afr Health Sci 20, no. 4 (Dec 2020): 1857–64.

DOI [10.4314/ahs.v20i4.41](https://doi.org/10.4314/ahs.v20i4.41)

TREATMENT

AETIOLOGY

EXPOSURE CHARACTERIZATION

Through-the-Scope Esophageal Stents for Malignant Dysphagia: A Double-Edged Sword? 2019

AUTHOR Mwachiro, M.

YEAR 2019

JOURNAL Gastrointest Endosc 90, no. 6 (Dec 2019): 980–82.

DOI [10.1016/j.gie.2019.08.022](https://doi.org/10.1016/j.gie.2019.08.022)

TREATMENT

Esophageal Stent Placement without Optical or Fluoroscopic Visualization. 2017

AUTHOR Mwachiro, M. M., R. K. Parker, R. Chepkwony, et al.

YEAR 2017

JOURNAL VideoGIE 2, no. 11 (Nov 2017): 309–11.

DOI [10.1016/j.vgie.2017.07.013](https://doi.org/10.1016/j.vgie.2017.07.013)

TREATMENT

Endoscopic Treatment of Cervical Esophageal Transluminal Bridge. 2017

AUTHOR Ranketi, S., M. Mwachiro, M. Topazian, and S. Burgert.

YEAR 2017

JOURNAL Gastrointest Endosc 86, no. 3 (Sep 2017): 561–62.

DOI [10.1016/j.gie.2017.03.019](https://doi.org/10.1016/j.gie.2017.03.019)

TREATMENT

Randomized Trial of Small-Diameter Versus Large-Diameter Esophageal Stents for Palliation of Malignant Esophageal Obstruction. 2015

AUTHOR White, R. E., R. Chepkwony, M. Mwachiro, et al.

YEAR 2015

JOURNAL J Clin Gastroenterol 49, no. 8 (Sep 2015): 660–5.

DOI [10.1097/mcg.0000000000003333](https://doi.org/10.1097/mcg.0000000000003333)

TREATMENT

Coping with Esophageal Cancer Approaches Worldwide. 2014

AUTHOR Cotton, R. G., R. Langer, T. Leong, et al.

YEAR 2014

JOURNAL Ann N Y Acad Sci 1325 (Sep 2014): 138–58.

DOI [10.1111/nyas.12522](https://doi.org/10.1111/nyas.12522)

TREATMENT

Esophageal Stenting in Cancer Therapy. 2014

AUTHOR Goenka, M. K., and R. E. White.

YEAR 2014

JOURNAL Ann N Y Acad Sci 1325 (Sep 2014): 89–95.

DOI [10.1111/nyas.12525](https://doi.org/10.1111/nyas.12525)

TREATMENT

Irradiation Stents: A Clever, and Maybe Costly, Fusion. 2014

AUTHOR White, R. E.

YEAR 2014

JOURNAL Lancet Oncol 15, no. 6 (May 2014): 546–7.

DOI [10.1016/s1470-2045\(14\)70163-9](https://doi.org/10.1016/s1470-2045(14)70163-9)

TREATMENT

Stents for Proximal Esophageal Cancer: A Case-Control Study.**2011**

AUTHOR Parker, R. K., R. E. White, M. Topazian, et al.
YEAR 2011
JOURNAL Gastrointest Endosc 73, no. 6 (Jun 2011): 1098–105.
DOI [10.1016/j.gie.2010.11.036](https://doi.org/10.1016/j.gie.2010.11.036)

TREATMENT

Stents as Sole Therapy for Oesophageal Cancer: A Prospective Analysis of Outcomes after Placement.**2009**

AUTHOR White, R. E., R. K. Parker, J. W. Fitzwater, et al.
YEAR 2009
JOURNAL Lancet Oncol 10, no. 3 (Mar 2009): 240–6.
DOI [10.1016/s1470-2045\(09\)70004-x](https://doi.org/10.1016/s1470-2045(09)70004-x)

TREATMENT

Expandable Stents for Iatrogenic Perforation of Esophageal Malignancies.**2003**

AUTHOR White, R. E., C. Mungatana, and M. Topazian.
YEAR 2003
JOURNAL J Gastrointest Surg 7, no. 6 (Sep–Oct 2003): 715–9.
DOI [10.1016/s1091-255x\(03\)00064-7](https://doi.org/10.1016/s1091-255x(03)00064-7)

TREATMENT

Esophageal Stent Placement without Fluoroscopy.**2001**

AUTHOR White, R. E., C. Mungatana, and M. Topazian.
YEAR 2001
JOURNAL Gastrointest Endosc 53, no. 3 (Mar 2001): 348–51.
DOI [10.1016/s0016-5107\(01\)70415-4](https://doi.org/10.1016/s0016-5107(01)70415-4)

JOIN THE MISSION



To reduce the burden of esophageal cancer in Africa through prevention research, clinical care, education, training, and collaboration, advancing etiology, early detection, and clinical research while delivering care and training across the continent.

GET INVOLVED

Physicians and researchers interested in participating in AfrECC's clinical, research, training, or advocacy activities are warmly invited to reach out.

Email AfrECC Secretariat

✉ afrecclistserv@gmail.com