2022 Publications, Reports, and Research Content

HEALTH AND SCIENCE RESEARCH

Publications

Interventions to Mitigate COVID-19 Misinformation: A Systematic Review and Meta-Analysis
YALE UNIVERSITY
Authors: Kumar N, Janmohamed K, Walter N, Nyhan K, Sangngam N, et al
Published by Journal of Health Communications
January 9, 2022

Interventions to Mitigate Vaping Misinformation: A Meta-Analysis
YALE UNIVERSITY
Authors: Kumar N, Janmohamed K, Walter N, Nyhan K, Sangngam N, et al
Published by Journal of Health Communications
February 22, 2022

Assessment of nicotine delivery and uptake in users of various tobacco/nicotine products
ABF GMBH
Authors: Scherer G, Mutze J, Pluym N, Scherer M
Published by Journal of Toxicology
March 10, 2022

Repeatability of dental shade by digital spectrophotometry in current, former, and never smokers
ECLAT
Published by The Journal of Odontology
March 10, 2022

News events and their relationship with US vape sales: an interrupted time series analysis
YALE UNIVERSITY
Authors: Janmohamed K, Nakamura-Sakai S, Forastiere L, Kumar N, et al.
Published by BMC Public Health
March 10, 2022

From green fields to green chemistry: Converting tobacco’s threat to the planet into an opportunity
CENTRE FOR HEALTH RESEARCH AND EDUCATION
Published by Financial Express
March 16, 2022
Assessment of the Exposure to Tobacco-Specific Nitrosamines and Minor Tobacco Alkaloids in Users of Various Tobacco/Nicotine Products
ABF GMBH
Published by American Chemical Society
March 17, 2022

World TB Day: Lung health needs to remain High on the agenda in a post-covid world
CENTRE FOR HEALTH RESEARCH AND EDUCATION
Author: Patwardhan, S
Published by Financial Express
March 24, 2022

Analysis of common methodological flaws in the highest cited e-cigarette epidemiology research
ECLAT
Authors: Hajat C, Stein E, Selya A, Polosa R
Published by Internal and Emergency Medicine
March 24, 2022

The effect of laboratory-verified smoking on SARS-CoV-2 infection: results from the Troina sero-epidemiological survey
ECLAT
Published by Internal and Emergency Medicine
April 14, 2022

Bupropion/zonisamide combination to assist smokers to switch from combustible cigarettes to electronic nicotine delivery systems (ENDS)
ROSE RESEARCH CENTER
Authors: Rose J, Botts T, Botts D, Behm F, et al.
Published by Internal and Emergency Medicine
May 1, 2022

Impact of stopping smoking on metabolic parameters in diabetes mellitus: A scoping review
ECLAT
Published by World Journal of Diabetes
June 15, 2022
Are Menthol Smokers Different? An Economic Perspective  
CORNELL UNIVERSITY  
Authors: Kenkel D, Cheng Y, Mathios A, Wang H  
Published by National Bureau of Economic Research  
July 2022

Misinformation, Consumer Risk Perceptions, and Markets: The Impact of an Information Shock on Vaping and Smoking Cessation  
CORNELL UNIVERSITY  
Authors: Kenkel D, Jin L, Y, Mathios A, Wang H, Lovenheim M  
Published by National Bureau of Economic Research  
July 2022

A Close Look at Vaping in Adolescents and Young Adults in the United States  
ECLAT  
Authors: Polosa R, Casale T, Tashkin D  
Published by the Journal of Allergy and Clinical Immunology  
June 16, 2022

Comparative assessment of electronic nicotine delivery systems aerosol and cigarette smoke on endothelial cell migration: The Replica Project  
ECLAT  
Published by Drug Testing and Analysis Journal  
July 25, 2022

Assessment of the exposure to polycyclic aromatic hydrocarbons in users of various tobacco/nicotine products by suitable urinary biomarkers  
ABF GMBH  
Authors: Scherer G, Scherer N, Rögner N, Pluym N  
Published by Archives of Toxicology  
August 1, 2022

The Correlation Between Lifetime Smoking and Ethnicity in People Who Smoke: A Study of Vocal Characteristics  
CENTRE OF RESEARCH EXCELLENCE: INDIGENOUS SOVEREIGNTY & SMOKING (COREISS)  
Authors: Glover M, Duhamel M  
Published by Journal of Communication Disorders and Assistive Technology  
August 20, 2022
Methodological difficulties of conducting cross-country quantitative research early in the COVID-19 pandemic: surveying changes in tobacco, alcohol and other substance use
CENTRE OF RESEARCH EXCELLENCE: INDIGENOUS SOVEREIGNTY & SMOKING (COREISS)
Authors: Glover M, Merkin A
Published by Research Gate
August 21, 2022

Assessment of Two Audio-Recording Methods for Remote Collection of Vocal Biomarkers Indicative of Tobacco Smoking Harm tobacco/nicotine products by suitable urinary biomarkers
CENTRE OF RESEARCH EXCELLENCE: INDIGENOUS SOVEREIGNTY & SMOKING (COREISS)
Authors: Glover M, Duhamel M
Published by Acoustics Australia
August 24, 2022

Tobacco use among Kola Sámi, the indigenous people of the Murmansk region, Russia: A cross-sectional study
CENTRE OF RESEARCH EXCELLENCE: INDIGENOUS SOVEREIGNTY & SMOKING (COREISS)
Authors: Glover M, Akinfieva S, Nikolaev A, Rocheva E, et al
Published by International Journal of Circumpolar Health
September 20, 2022

Nicotine products relative risk assessment: an updated systematic review and meta-analysis
BIOCHROMEX
Authors: Murkett R, Rugh M, Ding B
Published by F1000 Research
September 20, 2022

Comparison of urinary mercapturic acid excretions in users of various tobacco/nicotine products
ABF GMBH
Authors: Scherer G, Pluym N, Scherer M
Published by Drug Testing and Analysis Journal
September 26, 2022

Public Health Practitioners’ Knowledge towards Nicotine and Other Cigarette Components on Various Human Diseases in Pakistan: A Contribution to Smoking Cessation Policies
ALTERNATIVE RESEARCH INITIATIVE
Authors: Hameed A, Malik D
Published by Biomed Research International
October 3, 2022
**Interventions to mitigate vaping misinformation: protocol for a scoping review**  
YALE UNIVERSITY  
Authors: Kumar N, Hampsher S, Walter N, et al.  
Published by Systematic Reviews  
October 9, 2022

**Towards Tobacco-free Mental Health For All**  
CENTRE FOR HEALTH RESEARCH AND EDUCATION  
Authors: Patwardhan S, Bagale R  
Published by BW Healthcare World  
October 11, 2022

**In Vitro Toxicity Profile of myblu™ electronic cigarette Aerosol Compared to Cigarette Smoke: the REPLICA project**  
ECLAT  
Published by BioRXiv  
October 28, 2022

**Vaping as a Harm Reduction Solution to Tobacco Use for Physicians**  
PHYSICIANS RESEARCH INSTITUTE (PRI)  
Author: Dr. Cheryl Olson, Sc.D  
Published by Physicians Research Institute (PRI)  
November 2022

**Cytotoxicity, Mutagenicity and Genotoxicity of Electronic Cigarettes Emission Aerosols Compared to Cigarette Smoke: the REPLICA project**  
ECLAT  
Published by BioRXiv  
November 2, 2022

**A tale of flawed e-cigarette research undetected by defective peer review process**  
ECLAT  
Authors: Polosa R, Farsalinos K  
Published by Internal and Emergency Medicine  
December 8, 2022
Research Content

Filter Magazine (Harm Reduction Articles)
INFLUENCE FOUNDATION
January – December 2022

Rajputrachi Bidi- Tobacco Cessation Awareness Film
CENTRE FOR HEALTH RESEARCH AND EDUCATION
August 26, 2022

Impact of tobacco among women in India
CENTRE FOR HEALTH RESEARCH AND EDUCATION
March 8, 2022

Oral cancer screening AI tool development image acquisition protocol
CENTRE FOR HEALTH RESEARCH AND EDUCATION
March 16, 2022

Work among bidi worker women community in Solapu
CENTRE FOR HEALTH RESEARCH AND EDUCATION
September 20, 2022

Tobacco Control Policies Monitoring Bulletin
TEPAV
September 2022 | Number: 1

Tobacco Control Policies Monitoring Bulletin
TEPAV
December 2022 | Number: 2
Reports

82 million vapers worldwide in 2021: the GSTHR estimate
Knowledge-Action-Change
February 2022

What is tobacco harm reduction?
Knowledge-Action-Change
May 2022

Philippines Country Report
Ascra Consulting Inc.
May 2022

The right to health and the right to tobacco harm reduction
Knowledge-Action-Change
June 2022

What is snus and how is it used?
Knowledge-Action-Change
September 2022

Tobacco harm reduction in Sub-Saharan Africa
Knowledge-Action-Change
September 2022

The Global State of Tobacco Harm Reduction 2022: The Right Side of History
Knowledge-Action-Change
November 2022
TRANSFORMING TOBACCO INDUSTRY

Reports

**Index Ranking Report**
By Tobacco Transformation Index  
September 2022  
The Tobacco Transformation Index® represents the first effort to evaluate the commitments and actions of tobacco companies as they relate to tobacco harm reduction. The 2022 Index is the result of a process of company research, scoring, and ranking conducted by the Index Research Partner over the two-year review period from 2019 to 2021.

**2022 Index Methodology Report**
By Tobacco Transformation Index  
September 2022  
This report provides details on the 2022 Tobacco Transformation Index methodology, which is based on a set of 35 indicators organized under six categories of company actions and performance. There were targeted modifications summarized in this report, which were made within the framework of the Index to enhance the analysis.

**Industry Engagement Summary**
By Tobacco Transformation Index  
September 2022  
Index Companies were given the opportunity to review and comment on the preliminary 2022 Index methodology, including proposed changes compared to the 2020 Index and the data used to produce the company scoring and ranking. Index Companies also had the opportunity to ask clarifying questions.

**Stakeholder Consultation Report**
By Tobacco Transformation Index  
September 2022  
This report provides an overview of Tobacco Transformation Index (“Index”) stakeholder engagement conducted during the Second Index Cycle (2021-2022), which culminated with the release of the 2022 Index.

**Index Company Feedback and Response**
By Tobacco Transformation Index  
October 2022  
This document consolidates and responds to written questions and comments the Index Research Partner received from Index Companies. Questions and comments are grouped by topic. The consolidated response covers several areas of interest including product classification, Index design, and methodology. In the spirit of transparency that guided all stakeholder engagements concerning the Index.
Marketing Study

By Tobacco Transformation Index

June 2022

This study, built upon multiple layers of research, proposes a marketing code containing standards for reduced-risk nicotine and tobacco companies to ensure products are advertised and promoted to existing nicotine and tobacco users in a responsible way. The objective of this report is to invite stakeholder feedback on the proposed marketing code and its suitability.
AGRICULTURAL DIVERSIFICATION

**Publications**

**Exploring adoption effects of subsidies and soil fertility management in Malawi**
Authors: Khonje M, Nyondo C, Chilora L, Mangisoni J, et al.
Published by Journal of Agricultural Economics
March 29, 2022

**Nitrogen efficiency by soil quality and management regimes on Malawi farms: Can fertilizer use remain profitable?**
Authors: Burke W, Jayne T, Snapp S
Published by World Development
April 1, 2022

**Farm-level production diversity and child and adolescent nutrition in rural sub-Saharan Africa: a multicountry, longitudinal study**
Authors: Khonje M, Ricker-Gilbert J, Muyanga M, Qaim M
Published by The Lancet Planetary Health
May 1, 2022

**Sustainable intensification in jeopardy: Transdisciplinary evidence from Malawi**
Authors: Burke W, Snapp S, Peter B, Jayne T
Published by Science of Total Environment
September 1, 2022

**Reports**

**The Potential for Mega-Farms to Transform Malawian Agriculture**
Authors: Gondwe A, Nankwenya B, Jayne T, Burke W, Muyanga M, Chadza W, Chiwaula L
Published by MwAPATA Institute
August 2022
Briefs

**Brief #13: Policy Options for Smart Subsidies in Malawi**
*By MwAPATA Institute*
*Published: January 2022*
This brief, prepared by MwAPATA and the International Food Policy Research Institute, examines alternative strategies to promote agricultural growth and alleviate poverty. The authors emphasize raising returns to fertilizer use and discuss how cash transfers could improve food security and resilience.

**Brief #14: Redesigning the Affordable Inputs Program to Diversify and Sustain Growth**
*By MwAPATA Institute*
*Published: February 2022*
The State President has suggested the need to redesign Malawi’s agricultural productivity strategy that is currently centered primarily on fertilizer subsidies. These brief lays out evidence-based suggestions to accomplish this with short-, medium-, and long-term policy changes.

**Brief #15: Distributional Impacts of Tobacco Cultivation in Malawi**
*By MwAPATA Institute*
*Published: May 2021*
This brief investigates the distributional impacts of smallholder tobacco cultivation in Malawi - who has grown, who is still growing, and their relative wealth. The declining share of farmers still producing tend to be relatively well-off and more productive. This has implications for the nation’s diversification strategies.

**Brief #16: Opportunities for Small-Scale Aquaculture in Malawi Trends in Tobacco Production and Prices in Malawi**
*By MwAPATA Institute*
*Published: March 2022*
Small-scale aquaculture could contribute to improving rural livelihoods, but fish farmers are impeded by poor access to inputs like feed and fingerlings, and output markets. Promising areas for investment are highlighted in this Brief, based on an extensive new survey conducted in Malawi in 2021.

**Brief #17: Characteristics of the Small-Scale Aquaculture Sector in Malawi**
*By MwAPATA Institute*
*Published: March 2021*
We describe the small-scale aquaculture sector in Malawi using updated comprehensive data from a survey of fish farms across the country. The brief presents an overview of fish farm and farmer characteristics, farm management, input usage, production, and marketing in the country.
Brief#20- Economic Viability of Small-Scale Aquaculture in Malawi
By MwAPATA Institute
Published: April 2022
Small-scale aquaculture in Malawi is profitable, despite the challenges faced by fish farmers. There is potential to further profitability by improving the feed and fingerling production, identifying lower cost alternative feeds (such as insects), and investing in aquaculture extension.

Brief#21- Transforming the Aquaculture Sector in Malawi: Key Lessons From the 2022 SADC Regional Fisheries Dialogue Side Event
By MwAPATA Institute
Published: July 2022
More than one million Malawians are involved in fishing and aquaculture. Representatives from the Southern African Development Community (SADC) gathered to discuss how to improve the sector’s contributions to economic growth. This Brief summarizes their conclusions.

Brief#22- An assessment of the potential for scaling Malawi’s wheat production for domestic consumption and export
By MwAPATA Institute
Published: November 2022
Scaling production of wheat in Malawi will fail unless challenges are addressed. These include overreliance on rainfed production, limited access to improved varieties for wheat, fertilizers, capacity building in best agronomic practices, and lack of access to existing lucrative markets.