Causal Interpretation in Association Studies: A Critical Review

Facilitator	**Dr. Jordyn Wallenborn**, PhD, MPH Department of Epidemiology and Public Health, Swiss Tropical and Public Health Institute, University of Basel
Description	In many epidemiologic studies, you often find causal language when describing association results. Appropriate presentation of non-causal studies is critical when communicating research findings. We will discuss and critique 2 articles, focusing on causal interpretation in association studies. Students participate in critiquing the articles for additional epidemiological issues (e.g. study design, analysis, writing, sampling) relevant to causation. Furthermore, we will focus on appropriate presentation of non-causal results.
Objectives	1. Critical review of result interpretation in public health, epidemiology, and biomedical studies 2. Introduction to causation and association in epidemiology 3. Develop basic knowledge and be able to describe the importance of accurate reporting of results from association studies
Level	Introductory course. Participants must have basic knowledge of biostatistics and research methodology.
Date	**12 June 2023, 15:00-17:00**
Eligibility	The course is open to PhD students of the SSPH+ Inter-university Graduate Campus
Course Structure	2hour online course, consisting of lecture and presentation, and an interactive group session where course participants will critique peer-reviewed article, with a specific focus on causality language in epidemiologic methods and result interpretation. Reading materials and resources will be provided in advance.

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Work load	Preliminary Work: 0-2 h; Contact time: 2 h; Wrap-Up Work: 0-2 h
Location	Online course on zoom
Course Fees	SSPH+ PhD Students 0.- CHF
Registration	www.conftool.com/ssph-phd-courses2023
Deadline for registration	**12 May 2023**

This course is an SSPH+ IGC initiative to provide post-doctoral scientists at SSPH+ network institutions to teach.

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