NAME OF PRESENTING AUTHOR: Jonathan Trattner
EMAIL ADDRESS OF PRESENTING AUTHOR: tratjd17@wfu.edu
LOCATION OF PRESENTING AUTHOR: North America
TIME ZONE OF PRESENTING AUTHOR: USA Eastern
TYPE OF SUBMISSION: Poster
MEMBER STATUS: Non-member (Undergraduate mentor is Regular Member)
ELIGIBLE FOR THOMPSON AWARD: No
ELIGIBLE FOR ROWEWARD: No

TITLE: Vaccine willingness and socioeconomic status: a biometrically controlled design

FULL AUTHOR LIST:
Jonathan Trattner¹
Kennon Later²
S. Mason Garrison²

AFFILIATIONS:
¹Department of Interdisciplinary Studies, Wake Forest University Winston-Salem, North Carolina, USA
²Department of Psychology, Wake Forest University, Winston-Salem, North Carolina, USA

KEYWORDS: Sibling-comparison; Health Behaviors; Influenza; Vaccination; Socioeconomic Status;

ABSTRACT:

Recent reports detail health disparities amongst ethnic minorities during the Covid-19 pandemic (Hooper et al., 2020). These disparities are often attributed to socioeconomic status (SES), pre-existing health conditions (Ssentego et al., 2020), or Covid-19 severity (Yang et al., 2020). Interventions to mitigate these disparities must explicitly account for known gene-and-environmental confounds (Garrison & Rodgers, 2019; Williams et al., 2020).

Given the oft-mentioned necessity for a Covid-19 vaccine before returning to normalcy, we aim to identify the relationship between SES and vaccination willingness through a sibling-comparison design using the influenza vaccine as a proxy. We use data from the 1979 National Longitudinal Survey of Youth (n = 12,686). Applying a discordant-kinship model, we found a
significant relationship between SES and vaccine willingness, independent of gene-and-environmental variance.


**GRANT SUPPORT:** NA