Perceived Discrimination Events are Related to Next-Day Health Behaviors

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n or M

(SD)

105

354

48.4

(12.2)

329

85

13

25

INTRODUCTION

Background

- Discrimination is the unjustified treatment of people and groups based on qualities such as race, age, gender, weight, or sexual orientation¹
- Roughly 1 in 5 people have experienced discrimination that is prohibited under international human rights law²
- Previous research has established that discrimination is associated with

viors

Behav

Health

of

Number

Mean

Objectives

Examine relationships between discrimination events and health behaviors: marijuana use, alcohol use, cigarette smoking, sleep hours, sleep quality, physical activity levels, fruit and vegetable consumption, and soda intake

STUDY DESIGN

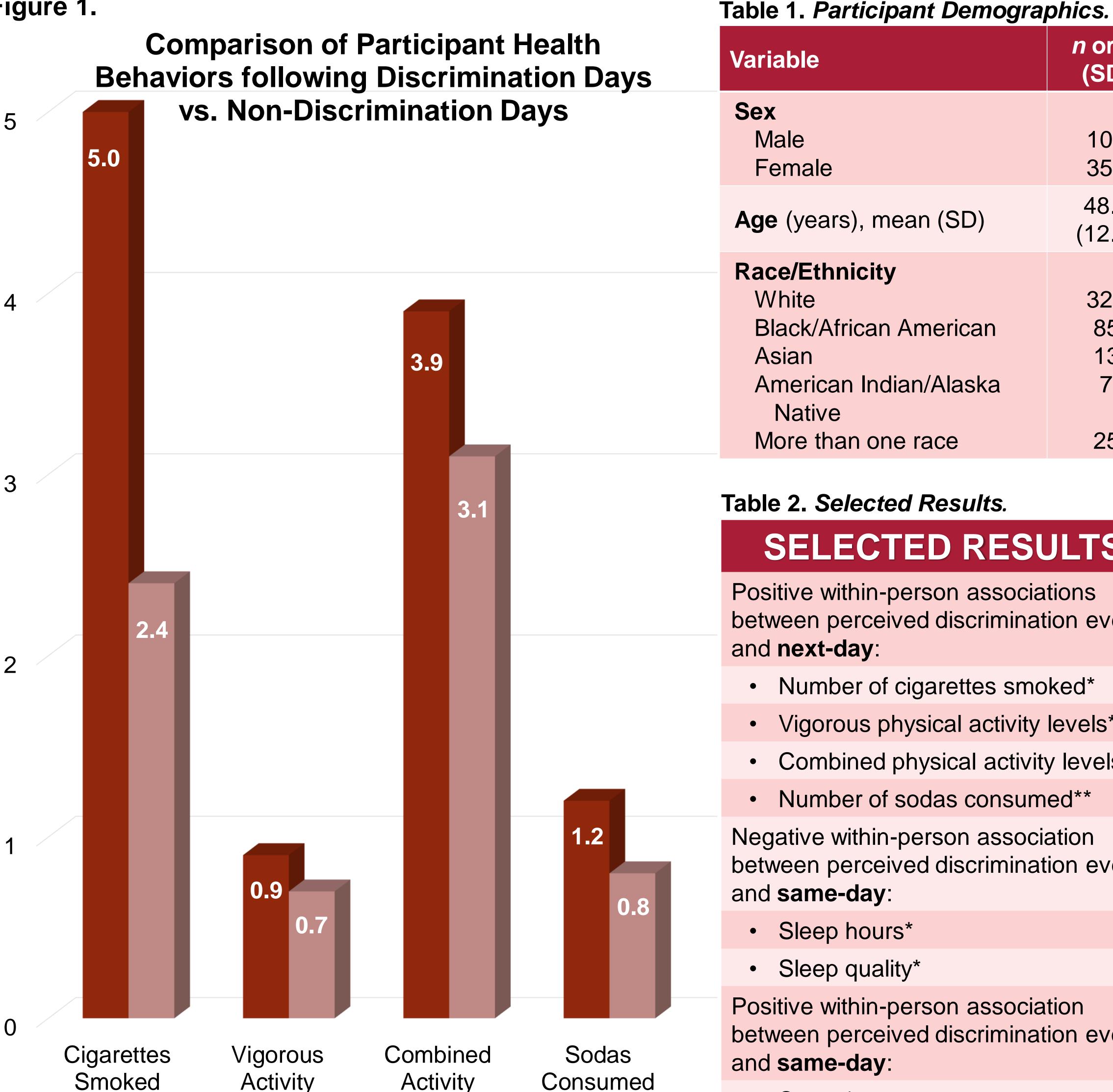
Participants (n = 459**)**

Recruited via Facebook ads for a lacksquarelarge nationwide trial

Procedures

- Downloaded the Insight app, randomized to 1 of 32 groups, and completed the Baseline survey
- Prompted to complete 2 or 4 daily lacksquareecological momentary assessments (EMAs) with 15 or 25 questions per EMA for 28 days
- Completed the follow-up survey

Figure 1.



Measures

- Participants self-reported daily health risk behaviors
- Marijuana use
- Alcohol use
- Cigarette smoking
- Sleep hours
- Sleep quality
- Physical activity levels
- Fruit and vegetable consumption
- Soda intake
- Previous-day perceived ulletdiscrimination: "Do you believe you experienced discrimination yesterday?" (0=No, 1=Yes)

SELECTED RESULTS

Positive within-person associations between perceived discrimination event

- Number of cigarettes smoked*
- Vigorous physical activity levels**
- Combined physical activity levels**
- Number of sodas consumed**

Negative within-person association between perceived discrimination event

Positive within-person association between perceived discrimination event

Multilevel time lagged analyses were conducted

Activity Smoked

Consumed

Discrimination Event

Non-Discrimination Event

*=p<.05; **=p<.10

Stress*

CONCLUSIONS

- Discrimination yesterday was related to increased cigarette smoking, sodas consumed, and unexpectedly, physical activity the next day
- Same-day discrimination was related to decreased sleep hours and sleep quality as well as increased stress
- Engaging in unhealthy behaviors following a discrimination event may harm an individual's health over time

LIMITATIONS & FUTURE DIRECTIONS

- The sample was primarily female and White
- Which may limit generalizability Ο
- Work with more diverse populations is needed Ο
- Future work is needed to determine effects of discrimination due to race, ethnicity, age, etc. on health behaviors
- Future research should attempt to identify mechanisms linking discrimination and health behaviors that could increase health risks, such as smoking and lack of sleep
 - Mechanisms may include stress, low emotional support, unhealthy coping strategies, etc.

REFERENCES

¹American Psychological Association. (2022, October 31) Discrimination: What it is and how to cope. https://www.apa.org/topics/racism-biasdiscrimination/types-stress

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