

WILDLAND FIREFIGHTER HEALTH REVIEW

A Scoping Review of the Wildland Firefighter Environmental Health Literature

AUTHORS

A. Pearson
B. Held
M. Ragland
S. Wood
S. Pearson
O. Chenevert
R. Granberg
R. Verble Ph.D.

REFERENCES



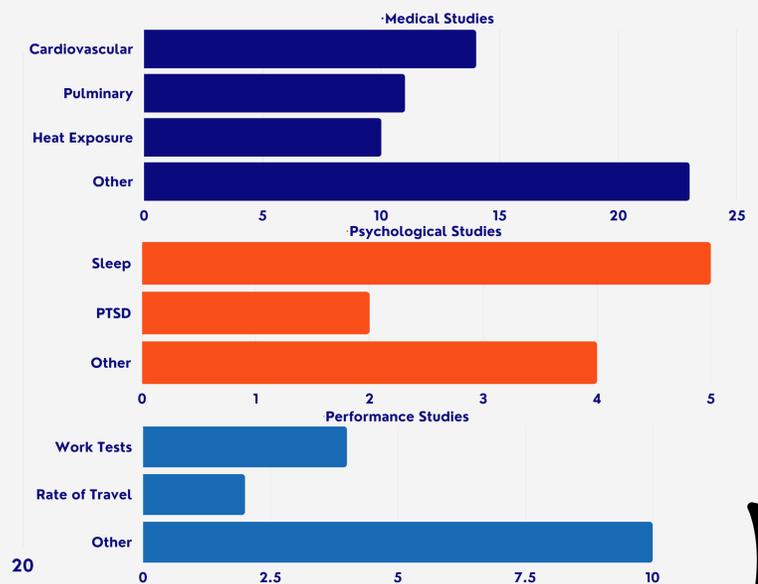
01. INTRODUCTION

Wildland firefighters are confronted with a unique variety of challenges. They are exposed to smoke and heat like other firefighters, but the terrain they work on is immense and diverse. We have examined the body of literature that is currently available on the environmental health and safety of wildland firefighters.

02. OBJECTIVE

The objective of this study was to qualify the current state of environmental health literature for wildland fire fighters. This is a topic that deserves more focus to improve the occupational conditions of these workers.

05.1 ANALYSIS



05.2 ANALYSIS

Qualifying articles of each category of literature

- Medical: 58
- Psychological: 11
- Performance: 16
- Occupational: 55
- Total: 140



04. FINDINGS

- There is a lack of geographical diversity
- There is a lack of demographic diversity
- There is a lack of professional diversity (dispatchers, fuel managers, aviators, etc.)
- The two largest foci in this field is medical and occupational data
- Most authors lack funding to conduct longitudinal studies or multi-disciplinary studies

03. METHODOLOGY

Our literature was sourced from Google Scholar and through the Missouri University of Science and Technology Inter-library Loan. We gathered literature on wildland firefighters with the following key words:

- wildland firefighter
- wildland firefighter environmental health
- wildland firefighter health
- wildland firefighter occupational health
- willand firefighter mental health

The literature was caterogized based on the type of study and other criteria. The literature was then analyzed by our team.

06. CONCLUSION

Wildland firefighting is a crucial part of environmental management. Because most studies focus only a single aspect of wildland firefighting, this community would benefit from multi-disciplinary studies that combine medicine, psychology, occupation and performance.

