Original Contributions

An Assessment of Key Health Indicators among Emergency Medical Services Professionals

Jonathan R. Studnek ✉ , PhD, NREMT-P, Melissa Bentley , BS, NREMT-P, J. Mac Crawford , PhD, RN & Antonio R. Fernandez , MS, NREMT-P

66 Cite this article   ↗ https://doi.org/10.3109/10903120903144957

📄 Full Article   🖼 Figures & data   📃 References   66 Citations   📊 Metrics

🖨 Reprints & Permissions   Read this article

Abstract

Introduc... ...rvices (EMS)
profession... ...eline
assessm... ...ates.
Accordin... ...physical
activity, ...objectives of
this s... ...y health
indica... ...racteristics
were as... ...Methods.
Data util... ...ded in
biennial ... ...d items
from the ... ...udinal EMT
Attributes and Demographics Study (LEADS). Along with common demographic

---

We Care About Your Privacy

We and our 845 partners store and/or access information on a device, such as unique IDs in cookies to process personal data. You may accept or manage your choices by clicking below, including your right to object where legitimate interest is used, or at any time in the privacy policy page. These choices will be signaled to our partners and will not affect browsing data. Privacy Policy

We and our partners process data to provide:

Use precise geolocation data. Actively scan device characteristics for identification. Store and/or access information on a device. Personalised advertising and content, advertising and content measurement, audience research and services development.

List of Partners (vendors)

I Accept

Essential Only

Show Purposes

characteristics, items inquired about existing health conditions (diabetes, asthma, hypertension, myocardial infarction, angina, stroke, and/or high blood cholesterol level), general health, physical activity, and smoking status. Descriptive analyses were performed utilizing chi-square tests, and logistic regression was utilized to describe associations between existing health conditions and the key health indicators. Results. There were 58,435 individuals who became recertified in 2007, with 30,560 (52%) returning questionnaires. Individuals with missing data were removed, leaving 19,960 individual records. There were 4,681 (23.5%) individuals who reported at least one existing health condition. The mean BMI for the study participants was 27.69 kg/m. There were 5,742 (28.8%) individuals classified as having normal weight and 5,146 (25.8%) who were obese. The overwhelming majority of individuals did not meet the Centers for Disease Control and Prevention (CDC) recommendations for physical activity (15,022, 75.3%). There were 3,394 (17.0%) individuals classified as current smokers. Finally, logistic regression analysis indicated that when controlling for work-life characteristics and age, BMI and level of physical fitness were associated with preexisting health conditions. Conclusion. This study was the first known baseline assessment of EMS professionals regarding the key health indicators identified by Healthy People 2010. Investigations regarding the impact of health and wellness in relation to workforce stability should be undertaken. Further research should also be conducted to identify strategies to improve the health of the EMS workforce.

🔍 Key words: : emergency medical services   emergency medical technician   occupational health   body mass index

Relate

✕

Information for

Authors

R&D professionals

Editors

Librarians

Societies

Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

Open access

Overview

Open journals

Open Select

Dove Medical Press

F1000Research

Help and information

Help and contact

Newsroom

All journals

Books

Keep up to date

Register to receive personalised research and resources by email

✉ Sign me up