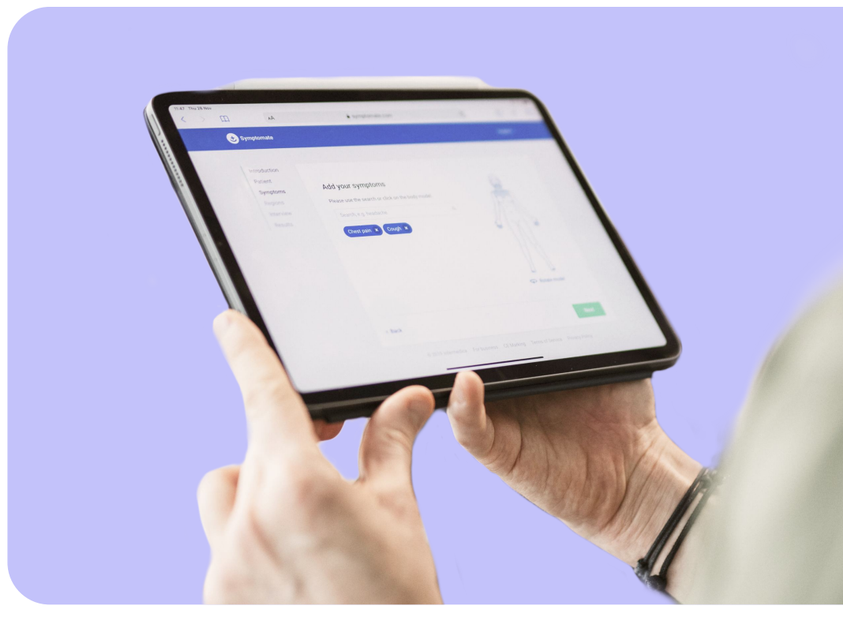
READ THE FULL STUDY
Medinformatics 2024
Published: 28.08.2024
DOI: 10.47852/bonviewMEDIN42023535

Medinformatics ✓ PEER REVIEWED

Infermedica

Virtual Triage can earlier detect people with heart attacks



Summary

A dataset of 746,282 virtual triage patient-users was examined to assess the characteristics of those reporting symptoms of potentially life-threatening cardiac conditions who reported that they had no intention to seek emergency care. Of 3,968 patient-users over age 35 with severe cardiac symptoms, 89.4% did not plan to seek emergency care. These findings suggest that virtual triage and care referral may have potential value in early detection of serious illness and offers a systematic capability to reduce care delays among such patients. Care delay is a leading contributor to negative patient outcomes, including death and extended hospital length of stay.

Results

76.4%*

of users with symptoms of a heart attack didn't know the right level of care or planned to seek inappropriate care

*includes adjustment for anticipated over-triage of VT to assure patient safety

Magnitude of potential impact

The results of this study evidence the life-saving potential of virtual triage and care referral for patients with severe cardiac symptoms, and when integrated within a care system can accelerate patients getting the emergency care they need and reduce life threatening care delays.

AI-powered Virtual Triage supports Early Detection of Severe Disease

The study showed that more than three-quarters of patients with potentially life-threatening cardiac symptoms either did not know the appropriate urgent level of care they needed or intended to seek inappropriate, lower urgency care, potentially contributing to higher mortality rates. Among the cardiac conditions examined, acute coronary syndrome (myocardial infarction or heart attack with concomitant unstable angina), was most often identified by virtual triage as the underlying cause.

Impact & Opportunities:

- ✓ Early detection and rapid care referral
- ✓ Reducing morbidity & mortality
- ✓ Reduction in avoidable care costs

Read the full study and contact Infermedica to learn more about our AI-powered virtual triage.