



Demographics, comorbidities, and care-seeking intent among individuals with obesity or overweight status using outpatient AI-based virtual triage

Summary

A study of 7,222,363 virtual triage encounters found that 29.6% reported having obesity/overweight status. This study proves the efficacy of virtual triage in screening for self-reported obesity among patients, identifying their associated comorbidities, and guiding patients to the appropriate care services.

Your application

Hi, Chloe

Check Your Symptoms
Find care based on how you feel

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Find Public Clinics
Locate nearby healthcare facilities

>

Insurance Information
Health and dental cover details

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Key findings in symptom reporting amongst obese population

<div>2x</div> <div>higher reporting of noncommunicable diseases among obese population</div> <div><div>→ hypertension</div><div>→ hypercholesterolemia</div><div>→ diabetes mellitus</div><div>→ asthma</div></div>	<div>4x</div> <div>higher reporting of the following diseases among obese patients</div> <div><div>→ obstructive sleep apnea</div><div>→ chronic renal disease</div><div>→ chronic heart failure</div><div>→ cholecystolithiasis</div><div>→ peripheral vascular disease</div></div>
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Virtual triage helps patients find the right care

<div>1/3</div> <div>patients didn't know what level of care they needed before using the virtual triage tool</div>	<div>56.6%</div> <div>decrease in patients uncertain about appropriate care pathways after using virtual triage</div>
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Impact & opportunities:

- ✓ **Early detection of healthcare risks:** Obese patients are at higher risk, VT helps to detect risks earlier and connect patients to appropriate healthcare services.
- ✓ **Reduce overutilization of high-acuity services:** Obese patients utilize more healthcare resources and more readily seek ED care. VT helps to effectively navigate these patients to the right level of care.
- ✓ **Improve patient engagement:** Virtual triage is a valuable tool to monitor healthcare conditions, detect healthcare risks, and encourage screenings.

Conclusion

Automated AI-based virtual triage is effective in understanding the health concerns of individuals with obesity. It supports the surveillance and monitoring of existing or emerging chronic and acute diseases, and aids in the detection of obesity-related risks and imminent conditions.

[Read the full study](#) and [contact Infermedica](#) to learn more about our AI-powered virtual triage.