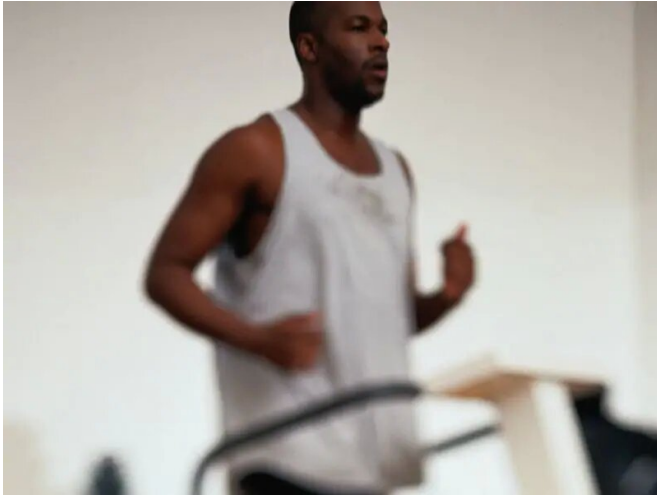


Cardiorespiratory fitness tied to coronary heart disease risk

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these outcomes was 15 percent lower per one-metabolic equivalent task higher VO_{2peak} (hazard ratio [HR], 0.85), with similar results among both sexes. For the highest quartile of VO_{2peak} , the risk was 48 percent lower compared with the lowest quartile (adjusted HR, 0.52). Both oxygen pulse and ventilatory equivalents of oxygen and [carbon dioxide](#) showed significant predictive value for the primary endpoint.

"Increasing VO_{2peak} may have substantial benefits in reducing the burden of CHD," the authors write.

More information: [Abstract/Full Text](#)

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(HealthDay)—Poor cardiorespiratory fitness is strongly associated with coronary heart disease (CHD) in a low-risk population, according to a study recently published in the *European Heart Journal*.

Jon Magne Letnes, from the Norwegian University of Science and Technology in Trondheim, and colleagues evaluated data on VO_{2peak} from 4,527 adults (51 percent women) with no previous history of cardiovascular or lung disease, cancer, hypertension, or use of antihypertensive medications. Data were linked to hospital and death registries.

The researchers found that average VO_{2peak} was 36.0 mL/kg/min among women and 44.4 mL/kg/min among men. The vast majority of patients (83.5 percent) had a low 10-year risk for [cardiovascular disease](#) at baseline. During an average follow-up of 8.8 years, 147 participants had a diagnosis of, or death from, CHD or underwent coronary revascularization. The risk for

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