involved in another person’s fitness efforts must be aware of their responsibility to temper newfound enthusiasm for fitness and health with common sense.

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As described by Darren Warburton and colleagues, regular physical activity provides a variety of health and fitness benefits. However, barriers to exercise are frequently reported, including lack of time, lack of access and lack of safe environments in which to work out. Increased availability of affordable, secure environments for physical activities combined with acceptable exercise choices, such as walking, swimming, biking or fitness classes, may increase activity levels.

Darren Warburton and colleagues conclude that “there appears to be a linear relation between physical activity and health status, such that a further increase in physical activity and fitness will lead to additional improvements in health status.” Although Health Canada’s guidelines on physical activity appear sufficient to elicit health benefits, especially in previously sedentary people, debate continues regarding the intensity and type of physical activity needed to achieve the most favourable health changes without eliciting osteoarthritis and cardiovascular abnormalities not present at rest. The results of our own recent investigations of top-level endurance athletes support the conclusion that substantial intensification of leisure-time physical activity does not increase the risk of adverse cardiovascular events and is likely to be effective in eliciting supplemental health gains. We further suggest that higher intensities and amounts of aerobic training may be safely implemented by sedentary individuals living in the community as a measure to gain further health advantages, especially for those most at risk of cardiovascular problems, osteoporosis and cancer.

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For a substantial proportion of the population in impoverished nations, physical activity is more or less essential to earning a livelihood, rather than being just another activity aimed toward better health. To make ends meet, a subsistence farmer or manual labourer must start early in the morning and work until late in the evening. For example, the tricycle rickshaw is still a means of transport in some places, and the pedaller burns an immense number of calories throughout the day. But at the end of the day, his health may not have improved, despite his supposedly deriving health benefits from aerobic physical activity. Therefore, it seems that more than physical activity alone is needed.

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