

Transport, environment and health links and tools to support active mobility

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Transport-related health and environmental effects: at a glance

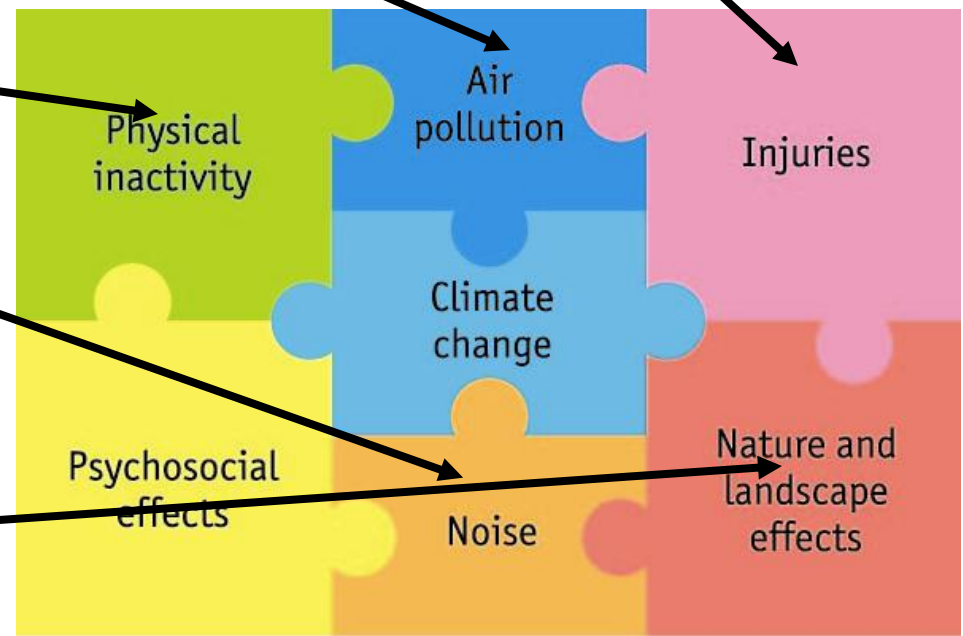
Tens of thousands of premature adult deaths are estimated to occur each year

Physical inactivity is associated to about 1 million deaths/year




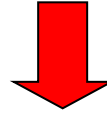
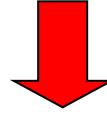
At least 1 million healthy life years are lost every year from traffic-related noise in the western part of Europe




The overall land-use of one km of motorway is up to 20 ha.

120,000 deaths and 2.5 million injuries/year



Working in a “niche” of ***Great potential of multiple benefits*** walking, cycling and public transport:

-  Air pollution, noise, GHG emissions
-  Energy consumption
-  Congestion
-  Land consumption
-  Non-communicable diseases

-  Quality of the urban environment
-  Social equity
-  Physical activity

The question

- If x people walk/cycle a distance of y kilometers on most days, what is the economic value of the health benefits that occur as a result of the reduction in mortality due to their physical activity?

The answer

<http://www.euro.who.int/HEAT>



The screenshot shows the HEAT website interface. At the top, there is a blue header with the HEAT logo and the text "Health economic assessment tool". To the right of the logo are links for "Contact", "Copyright", and "Login". Below the header, the main content area is divided into three columns. The left column contains a navigation menu with links for "Introduction", "HEAT for walking", "HEAT for cycling", "Examples of applications", "Acknowledgement HEAT for walking", "Acknowledgement HEAT for cycling", and "Archive / Previous versions". The middle column is the main content area, titled "Welcome to the WHO/Europe Health Economic Assessment Tool (HEAT)". It contains a paragraph describing the tool's purpose, a list of situations where the tool can be used, and a list of three key uses: planning new infrastructure, valuing reduced mortality, and providing input for economic appraisals. The right column is titled "More information" and contains a box titled "What data do I need?" with a link to "Data...".

HEAT
Health economic assessment tool

Contact | Copyright | Login

HEAT
Health economic assessment tool

Introduction

- HEAT for walking
- HEAT for cycling
- Examples of applications
- Acknowledgement HEAT for walking
- Acknowledgement HEAT for cycling
- Archive / Previous versions

HEAT > Introduction

Welcome to the WHO/Europe Health Economic Assessment Tool (HEAT).

This tool is designed to help you conduct an economic assessment of the health benefits of walking or cycling by estimating the value of reduced mortality that results from specified amounts of walking or cycling.

The tool can be used in a number of different situations, for example:

- **when planning a new piece of cycling or walking infrastructure.** HEAT attaches a value to the estimated level of cycling or walking when the new infrastructure is in place. This can be compared to the costs of implementing different interventions to produce a benefit-cost ratio (and help to make the case for investment)
- **to value the reduced mortality from past and/or current levels of cycling or walking** such as to a specific workplace, across a city or in a country. It can also be used to illustrate economic consequences from a potential future change in levels of cycling or walking.
- **to provide input into more comprehensive economic appraisal exercises, or prospective health impact assessments.** For example, to estimate the mortality benefits from achieving targets to increase cycling or walking, or from the results of an intervention project.

More information is available at <http://www.euro.who.int/HEAT>

More information

What data do I need?
Before you begin, check that you have the data you need to produce an assessment.

[Data...](#)

Health Economic Assessment Tools (HEAT) for walking and for cycling

COMING SOON!



ECONOMIC ASSESSMENT OF TRANSPORT INFRASTRUCTURE AND POLICIES

The partnership

Core group

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