PASTA

PHYSICAL ACTIVITY THROUGH
SUSTAINABLE TRANSPORT APPROACHES

The new WHO Health Economic Assessment Tool for Walking and Cycling

-

a sneak preview

World Health Organization
REGIONAL OFFICE FOR Europe

University of Zurich[UZH]

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A collaborative project

Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

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THE PEP Transport, Health and Environment Pan-European Programme
UNECE
World Health Organization Europe

Harry Rutter, Francesca Racioppi, Sonja Kahlmeier, Thomas Götschi, Nick Cavill, Paul Kelly, Christian Brand, David Rojas Rueda, James Woodcock, Christoph Lieb/Heini Sommer, Pekka Oja, Charlie Foster

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Software development and design: Tomasz Szreniawski, Alberto Castro Fernandez, Ali Abbas, Vicki Copley, Duy Dao

Expertise involved:

- Epi / Public Health
- Environmental Science
- Air pollution
- Health Economics
- Transport Economics
- Transport Planning
- Policy making
- Practice / Advocacy

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What is the (existing) HEAT?

- Online tool www.heatwalkingcycling.org
- Designed for transport planners
- Economic assessment of health benefits of walking or cycling
- Effects on mortality ‘only’
- Evidence-based
- Transparent
- Adaptable

What can you use it for?

- **Project evaluation**: new or old projects
  - Value of health benefits of investements
- **Assess current use**
  - What is walking/cycling worth now in my city, region, country?
- **Modeling projected future walking/cycling**
  - How much value walking/cycling can have…

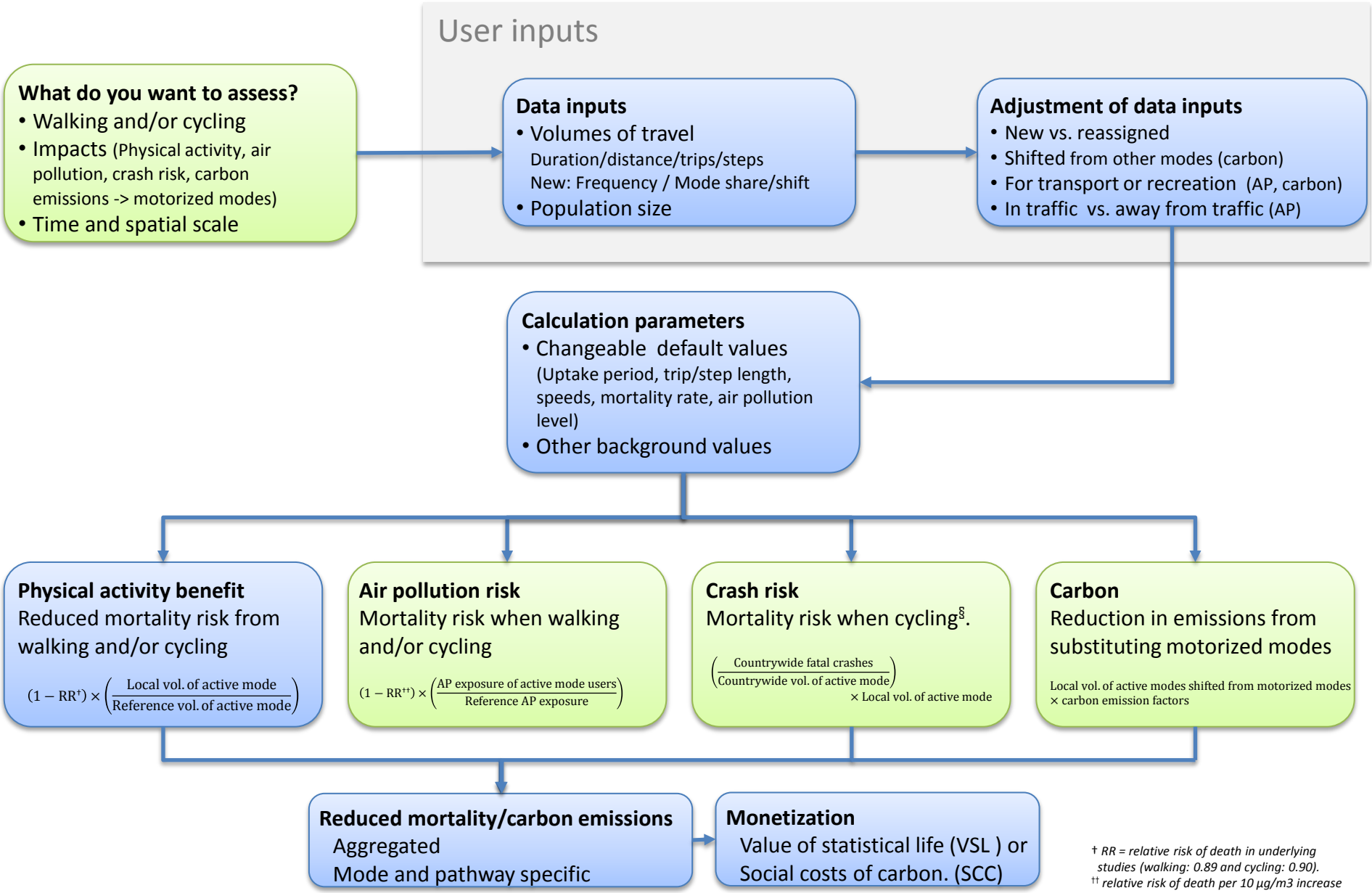
The question

If *x* people walk/cycle an amount of *y* 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?

New HEAT options

- How much do air pollution or crashes affect these results?
- What are the carbon effects?

Basic functioning of the new HEAT 4.0



† *RR = relative risk of death in underlying studies (walking: 0.89 and cycling: 0.90).*
†† *relative risk of death per 10 µg/m3 increase in PM2.5 in underlying studies (1.07)*
§ walking module work in progress

Interested?

- We need testers of the new HEAT
- AND feedback on the old HEAT
- Online tool – early October
- Test, play, complete feedback survey
- Come and see us or email nick@cavill.net

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www.heatwalkingcycling.org

Nick@cavill.net

This project has received funding from the European Union's Seventh Framework Programme for research; technological development and demonstration under grant agreement no 602624-2.

The question

If *1,000* people start to cycle for 10 minutes per day, what is the economic value of the health benefits that occur as a result of the reduction in mortality due to their physical activity (and increase in mortality due to crash risk)?