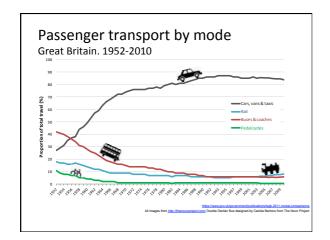
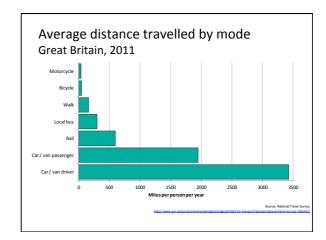
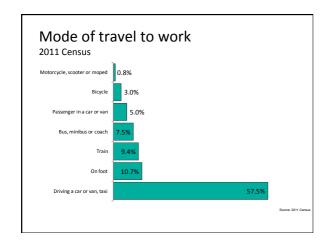


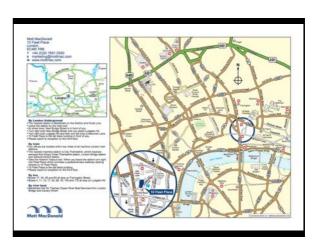
Impacts of transport on individuals

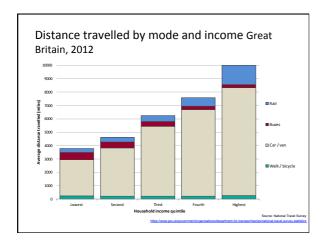
- Physical activity
- Injuries
- Air pollution
- Noise pollution
- Social and psychological effects
- Climate change









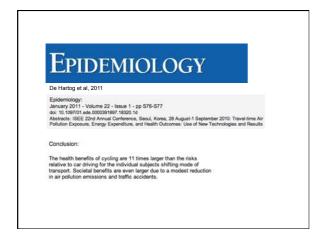


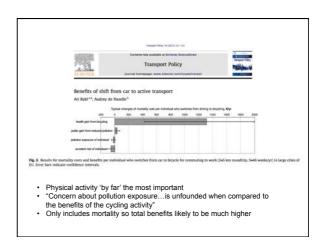
Review

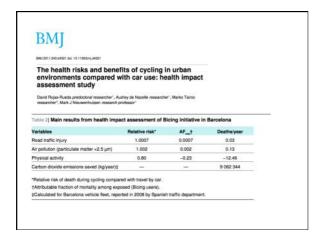
Health benefits of cycling: a systematic review

P. Oja¹, S. Titze², A. Bauman², B. de Geus⁴, P. Krenn², B. Reger-Nash², T. Kohlberger²

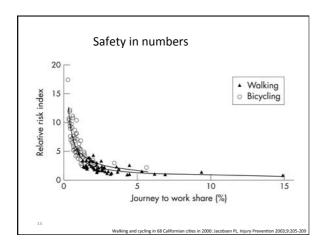
These studies suggest that there is a clear positive dose—response relationship between the amount of cycling and health outcomes: fitness improvement increases and the risk of all-cause mortality, CVD and colon cancer morbidity, and incidence of overweight and obesity decrease with increasing amount of daily cycling.

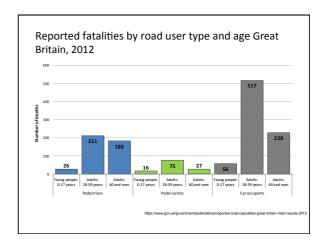


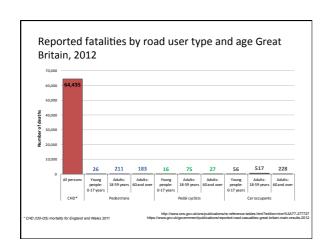


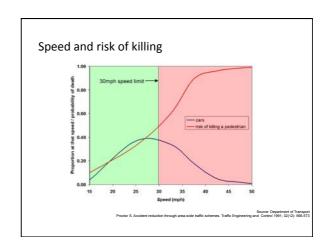


THE LANCET Energy and Health 3 Energy and transport James Woodcook, Doord Bornbace, Phil Edwards, Andrew M Printice, Ian Roberts • There exists the potential of a modal shift from oil-based car transport to food-based active transport, to yield important health benefits for car users and wider society, through reductions in air pollution, physical inactivity, and opportunity costs. Future research should quantify these effects under alternative scenarios. • The greatest potential for health gain is by improving the walking environment and supporting the most energy efficient form of transport—the bicycle. • The necessary changes are achievable and affordable and essential for sustainable development across settings. Levels of cycling can be used as a measure of progress towards a healthier sustainable future in both the developed and the developing world. The main obstacles to progress are not technological but political, in particular the financial interests of stakeholders.

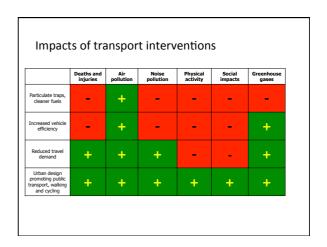




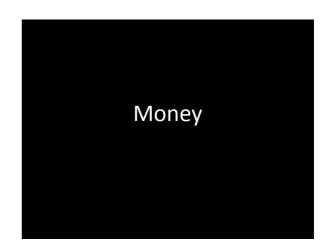


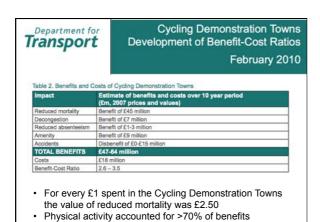


Putting the pieces together



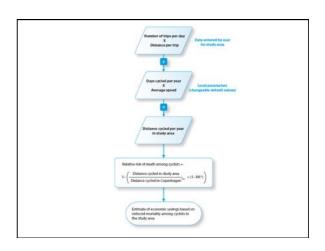




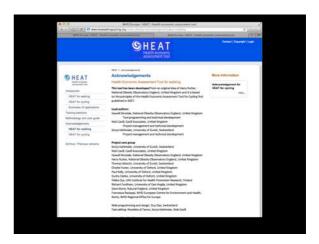






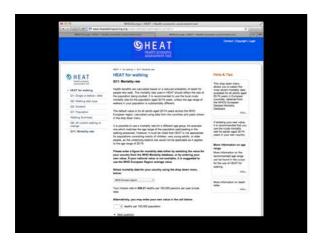
















Conclusions

- Transport has many impacts on health
- Cars dominate the roads and impose major health costs
- The more cycling there is the safer it becomes
- Important co-benefits tying together sustainability, liveability, and health
- Strong economic case for active travel
- Recent NICE guidance