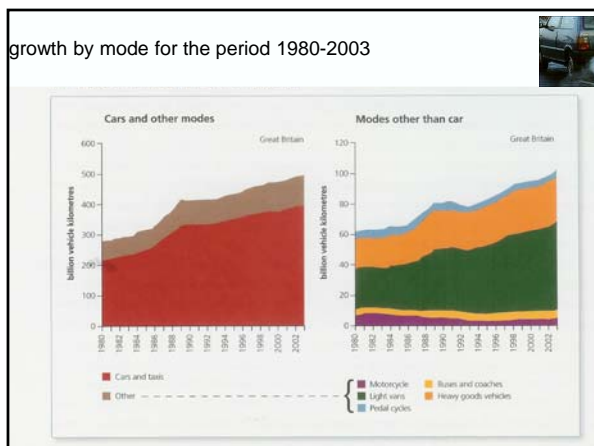
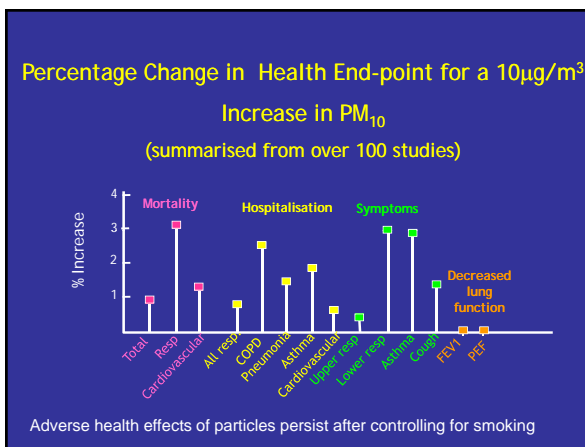


The Urban Environment Impacts on Health and Wellbeing

- A successful urban area stimulates those who live and work there and reinforces self-esteem.
- The urban environment affect health and wellbeing of everyone who lives and works there.
- Many problems are concentrated in the most deprived areas where environmental, social and economic factors interact especially children and older people.
- Relationship between health, wellbeing and place are complex interacting and poorly understood.

Effects of Urban Environment on Health

- **Air pollution:** 24,000 deaths/yr brought forward by~8 months and 24,000 hospital admissions.
- **Traffic accidents:** 3,300 deaths and 29,000 serious injuries/yr.
- **Climate:** Winter - 25,700 extra deaths Dec 2005-March 2006.
Summer - 2,000 excess deaths in heat-wave of 2003.
- **Mental health:** Strong association between urban residence and psychiatric disorders.
- **Infectious disease:** Spread of pandemic flue and new diseases with climate change.
- **Obesity:** 34,000 extra deaths each year.



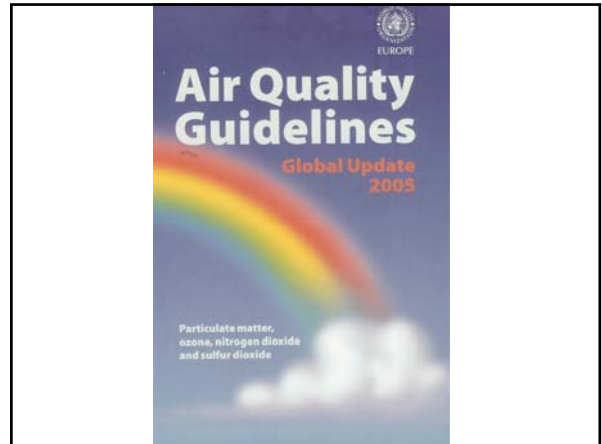
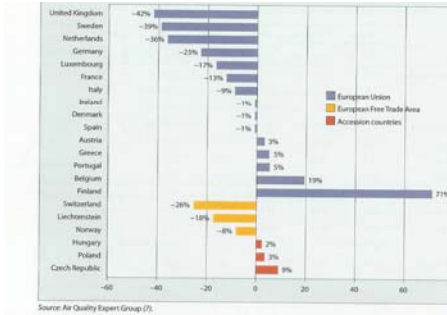
Proportion of diesel vehicles in car fleet

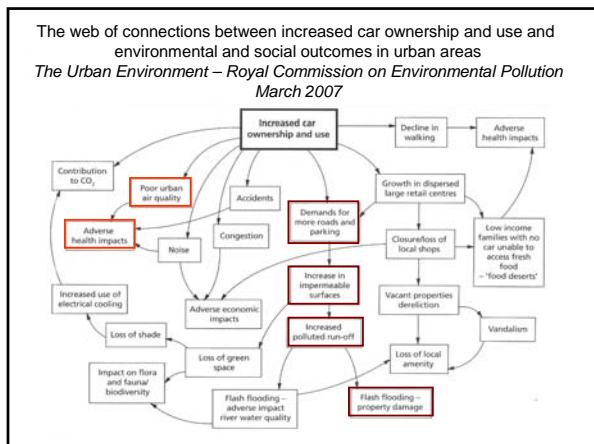
COUNTRY	DIESEL CARS (%)
Austria	54%
Belgium	52.2%
Spain	47.3%
France	40.2%
Italy	22.5%
Holland	20.3%
Portugal	18.8%
Germany	17.6%
UK	15.3%
Sweden	11.0%
EUROPEAN MEAN	25.3%*

** Forecast to increase to 50% by 2010*

(D'Amato et al, Clin Exp Allergy 2000; 30: 628-636)

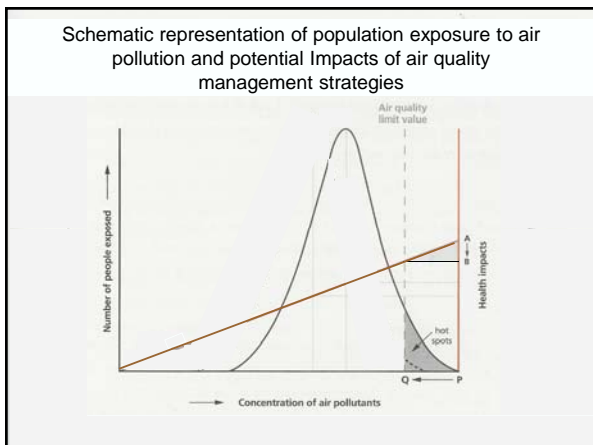
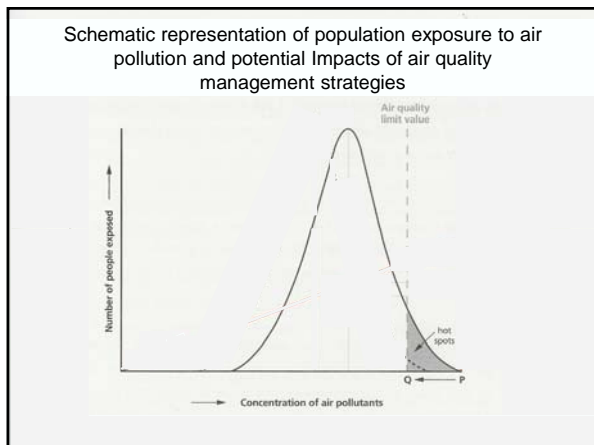
Percentage change in PM10 emissions in selected European countries between 1990 and 2001





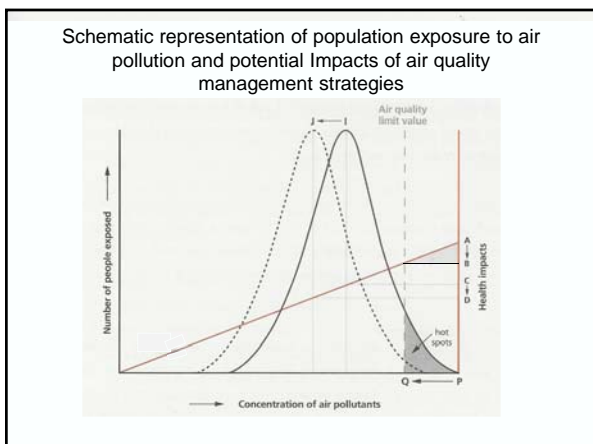
Recommendations that Directly Influence Health

- Reduce hot spots of air pollution in urban settings.

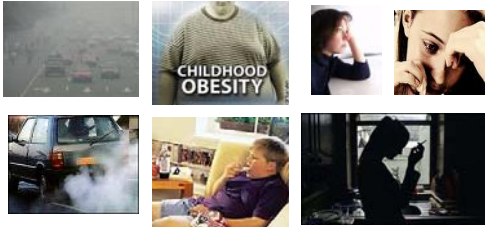


Recommendations that Directly Influence Health

- Reduce hot spots of air pollution in urban settings.
- Promotion of overall air pollution reduction for the whole population (Gap Closure).



Unravelling Environmental Factors Shaping Health



Air pollution

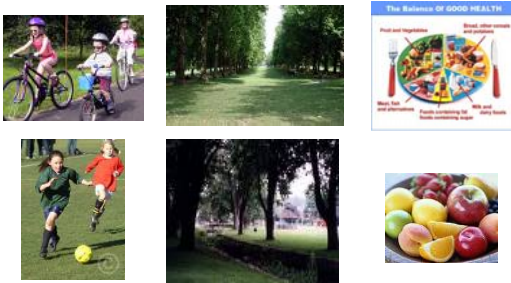
Obesity

Mental illness

Recommendations that Directly Influence Health

- Develop a statutory framework for Health Impact Assessments as a component of Environment Impact Assessment in urban planning.

What we must aspire to



Exercise

Space and a sense of place

Diet