Title of Review: Is adaptation to heat reducing heat-related mortality and illness? A systematic review

Review Reference no.

1. Publication Details
1.1 Author(s): 

1.2. Country of authors (First author if several): 

1.3. Year of publication: 

1.4 Reviewer comments: 

1.5 Eligible for review? 

1.6 If excluded, reasons for exclusion: 

1.7 Authors’ conclusions (short summary): 

2. Study details 
2.1 Study aims (main research question): 

2.2 Additional research questions addressed: 

2.3 Study design: 
Quantitative: qualitative: mixed methods: 
Other study type: 

2.4 Study type: 

2.5 Methods of data collection:
2.6 Who collected data?
Researchers:
Peers (trained participants, participatory approach):
Secondary data set used:
Other person:

2.7 Methods used:

2.8 Conceptual/theoretical framework underlying the study:

2.9 Country or Countries in which study was conducted

2.10 Study duration:

2.11 Any stakeholders involved in study design or conduct?

2.12 [Target population (if applicable):
Participant number
age,
0-20 years:
21-60:
60plus:
gender,
ethnicities,
socio-demographic information,
Morbidities
Sampling strategy for participant recruitment

2.13 Which health outcomes are studied?

2.14 Which other effects are studied if any?
3. Adaptation-specific general information:

3.1 Time frame of

   a) Adaptation measure:

   b) Effects:

3.2 Spatial scale of adaptation:

   Community level (i.e. one city, or one part of a city):
   Regional level:
   National level:
   Global level (an adaptation program designed to be implemented in several countries at the same time with the same design):
   No info available:

3.3 Region of the adaptation measure:

   North America:
   Central America:
   South America:
   Western Europe:
   Central Europe:
   Eastern Europe:
   Middle East:
   Northern Africa:
   Sub-Saharan Africa:
   Central and West Asia:
   East Asia:
   South-East Asia and Pacific:
   South Asia:
   Australia & New Zealand:

3.4 Sectors studied:

   Health sector:
   Other sectors (please specify):
3.5 Stakeholders involved in adaptation:

If none:

NGO municipal:
NGO national:
NGO international:
Government municipal:
Government national:
Government international (i.e. UN):
Private industry:
Households or individuals:

3.6 Vulnerable groups specifically mentioned as target population?

Coastal cities:
Small island states:
Women:
Children:
Older persons:
Lower income populations:
Other (please specify):

4. Adaptation process and outcomes:

4.1 Timing:

Anticipatory:
Responsive:
No information available:

4.2 Type of adaptation:

Structural (infrastructural, i.e. dams):
Behavioral (includes awareness raising, perception):
Warning system:
Technological adaptation EXCEPT warning system (i.e. air conditioning):
Emergency action plan (includes all emergency policy plans):

4.3 Evaluation of adaptation conducted?
Yes: no:

4.4 Outcome measures used:

4.5 Details of findings:

Effects estimated? Effect sizes mentioned?
Yes: No: n/a:
If yes: extract exact numbers for further calculations.

(Reminder:
Outcomes: impacts on heat stroke incidence and cardiovascular mortality. Impacts measured as reduction in heat stroke incidence and cases of cardiovascular mortality in extreme heat periods.
Effectiveness measured medically as reduction in heat stroke incidence and cardiovascular mortality. Effectiveness measured by heat island exposure reduction signaled through changes in these risk factors:
• awareness of heat-appropriate behavior,
• green roofs,
• air conditioning,
• shaded buildings,
• early heat wave warning systems,
• risk communication strategies.)