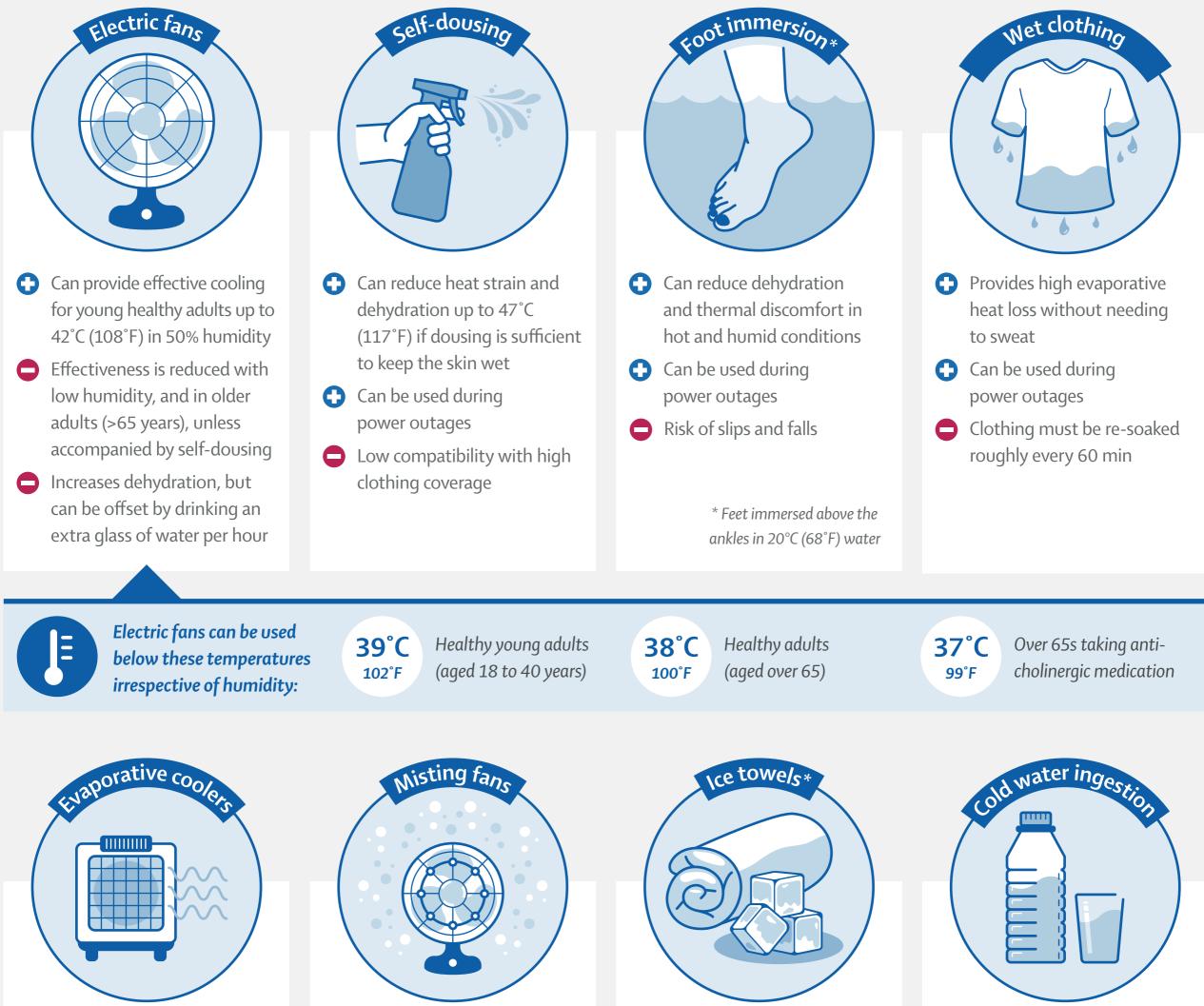
Sustainable and accessible ways to keep cool

Mitigating climate change is vital, but inevitable rising temperatures means that identifying sustainable cooling strategies is also important. Strategies at the individual scale that focus on cooling the person instead of the surrounding air can be effectively adopted, even in low-resource settings.



- Can cool air temperatures in dry conditions
- Minimal effect in high humidity
- Risks creating mosquito breeding sites without proper maintainence
- Lowers air temperatures in hot and dry conditions
- Must be used in well ventilated or outdoor areas otherwise humidity increases offset any benefit
- Risk of slips and falls
- Can reduce core temperature and cardiovascular strain in conditions up to 45°C (113°F)
- Requires access to ice
- Labour-intensive to prepare
 - * Crushed ice wrapped in a damp towel applied to the neck and chest

Can provide internal cooling O

- Water should be ingested at a temperature that is most palatable (~10°C/~50°F) to ensure optimal hydration
- If person has already started sweating, not effective at lowering core temperature

Read the full paper: Jay O, Capon A, Berry P, et al. Reducing the health effects of hot weather and heat extremes: from personal cooling strategies to green cities. The Lancet 2021. Published online August 19



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