Environmental impacts can be added to other costs in health economic evaluations

Scoping review

N = 26

Jake Williams, Katy Bell, Rachael Morton, Mbathio Dieng



Review Question

What evidence exists about methods to include environmental impacts in health economic evaluations and health technology assessments?

More Information





Most Common Method



Measure the carbon footprint of the technology in carbon dioxide equivalent (CO₂-e) units Life Cycle Assessment is the best option when carbon footprinting health technologies for economic evaluation



Convert the carbon footprint into dollars using a carbon price

Options include Social Cost of Carbon (SCC) and Non-Traded Price of Carbon (nTPC)



Add the price in dollars to other costs in a cost-effectiveness (CEA) or cost-utility (CUA) analysis

Other Possible Methods

Not demonstrated in identified studies



Multi-Criteria Decision Analysis









