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Reducing the environmental impact of medication

The role of the prescriber

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Medicines have a significant impact on our environment, contributing to ecological crises and posing threats to public health.

- Indirectly: Through their development, production, transport, usage, and waste processes (Life Cycle)
- Directly: By entering the environment and causing ecological effects

Within Dutch healthcare, chemical products, including pharmaceuticals, contribute to:



> 50% of total waste production



41% of greenhouse gas emissions

80% of raw material consumption



Annually at least 190,000 kg of medications in waters

Therefore, medication represents an aspect of healthcare where sustainable measures could significantly reduce environmental impact

How can prescribers help reduce the environmental impact of medicines?



Prescribers must also consider environmental impact for treatment choices with medicines, alongside effectiveness, safety, and costs. However, a lack of information hinders this. Further research and transparency are essential for informed 'green' prescribing choices.

The Erasmus+ project 'Planetary Health Education in Prescribing' (PlanED Prescribing) aims to integrate environmental sustainability considerations into prescribing education.





Reference Piët JD, Teeuwisse PJI, Sigaloff KCE. Vermindering van de milieu-impact van medicatie [Reducing the environmental impact of medication; the role of the prescriber]. Ned Tijdschr Geneeskd. 2024 Mar 5;168:D7985. Dutch. PMID: 38470248.

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