

Advancing planetary health: a revised Quadruple Aim Manifesto

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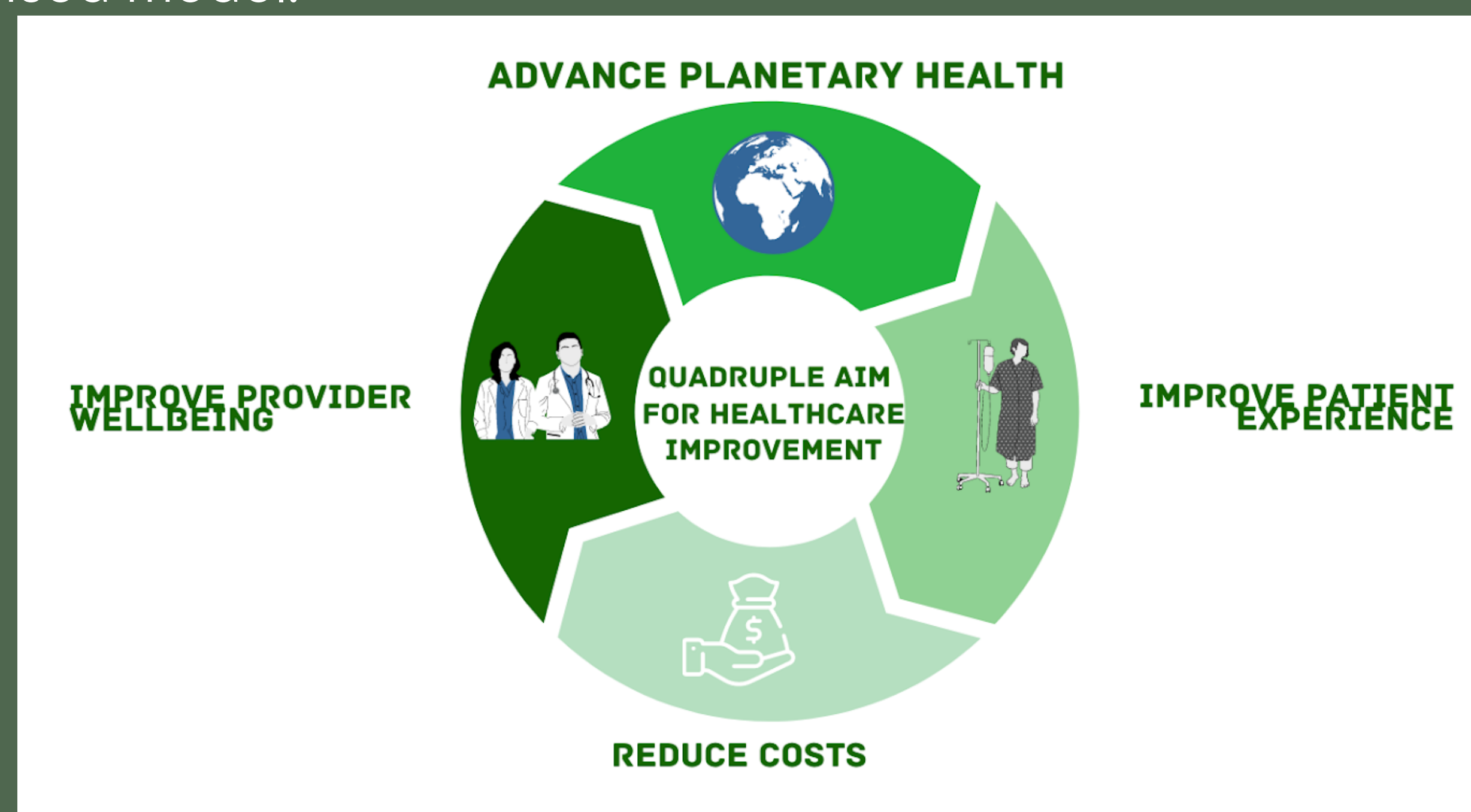
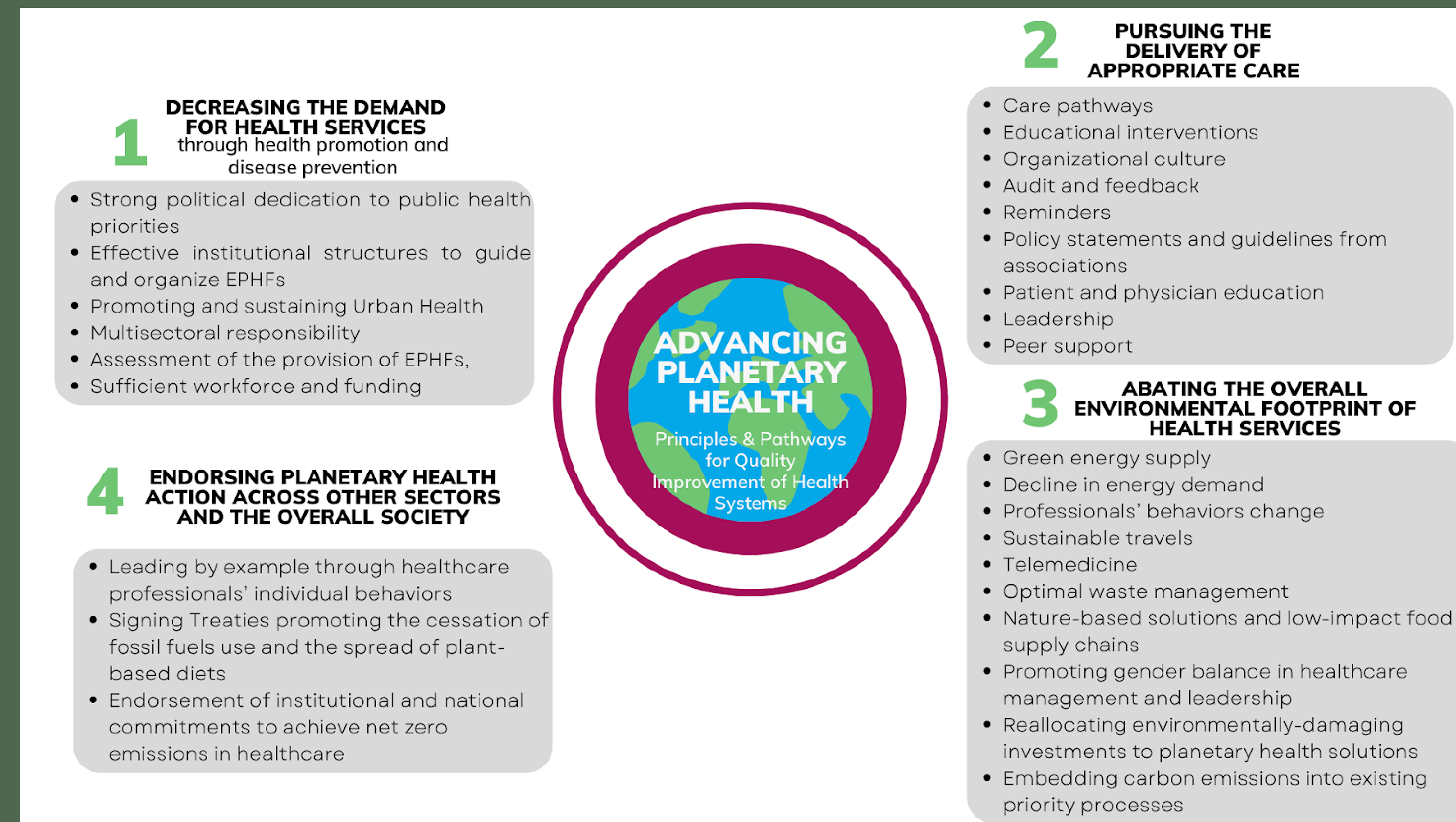
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Introduction and methods

Restoring the health of the planet, with concurrent benefits for human civilization, is paramount.

Healthcare systems play a crucial role in this regard, for the environmental impact of health interventions, and should be designed considering their environmental sustainability. An established approach to designing healthcare systems consists in pursuing multiple aims, such as the Triple and Quadruple Aim frameworks. *The authors propose revising the latter, by substituting 'Improved Planetary Health' for 'Improved Population Health'.*

An extensive review of the scientific literature was conducted to assess the developments of Triple and Quadruple Aim frameworks and collect evidence to support the proposed revised model.



Results

The revised goal of advancing planetary health contributes to the pre-existing aims of improving population health, which directly falls under the scope of planetary health, and reducing costs, enhancing patient's experience and improving team wellbeing. Health systems advancing Planetary Health focus on decreasing demand for health services through health promotion and prevention, pursuing the delivery of appropriate care, reducing the overall environmental footprint of health services and endorsing planetary health action across sectors and society.

Leadership commits to the above targets, while healthcare providers, once aware of planetary health, should reduce the environmental impact of their practice, educating patients as trusted voices, and guiding the shift to sustainable economies and societies operating within planetary boundaries, by leveraging the economic relevance of health systems.

The authors argue that a revised quadruple aim on Planetary Health is key to moving health systems and societies towards a safe and just operating space.

