





What interventions are effective and cost-effective for supporting the health and well-being of people with obesity on healthcare waiting lists? A Rapid Review

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Toby Ayres, Jordan Everitt, Alesha Wale, Chukwudi Okolie, Helen Morgan, Amy Fox-McNally, Hannah Shaw, Jacob Davies, Enzo Battista-Dowds, Maria Cole, Megan Elliot, Elizabeth Doe, Praveena Pemmasani, Alison Cooper, Adrian Edwards, Ruth Lewis

Background

- psychological support
- nutrition advice
- exercise
- physiotherapy, and
- referrals for specialist surgical services where appropriate

Patients allocated to tier / level 3 services have:

- a BMI over 40
- a BMI over 35 with co-morbidities (meaning two or more diseases or medical conditions)
- significant additional considerations (disability, age)
- two or more of the above

Some individuals experience long waiting times to access services.

Study aim

To bring together the evidence around the **effectiveness of interventions** for supporting the health and wellbeing of individuals with obesity on waiting lists.

Focusing on practical and resource-efficient interventions that could be feasibly implemented in the context of obesity weight management services.



Evidence Base

The review included 7 studies published between 2017 and 2024, conducted in the following countries:











Canada Turkey

Australia

Germany

Spain

Key Findings

This rapid review did not identify any studies assessing the effectiveness of interventions that could be feasibly implemented or scaled up within the resource limitations of typical tier 3 weight management services in Wales.

Most interventions required:

- substantial input from a healthcare professional
- specialist equipment
- advanced digital infrastructure



There is some evidence to suggest **exercise interventions support the quality of life** of those awaiting surgery. Very limited evidence was found supporting improvements in 'functional' outcomes **e.g. fatigue and walking capacity**.

Only single, low quality studies were available for:



Text message-based prehabilitation interventions



Pre-operative educational interventions



Physical activity counselling interventions



Some of these interventions showed improvements in participants':

- quality of life
- mental well-being
- 'anthropometric' measures (such as body weight, BMI, fat mass).

Since most studies were of low methodological quality we cannot be confident in the true effectiveness of these interventions and caution is required when considering them for real-world application.

Key Limitations of the Evidence

- No UK based studies were identified
- No studies specifically focused on brief, low-resource interventions suitable for 'scalability'
- Most studies focused on those awaiting bariatric surgery only
- No studies evaluated cost-effectiveness of interventions

Recommendations for future research

Obesity weight management services should consider **conducting robust studies with in-built general- and economic- evaluation** of interventions, with a **focus on feasibility and scalability of interventions when being designed**.