

# SCOPE AND EFFECTIVENESS OF BREAST CANCER-RELATED LYMPHOEDEMA MODELS OF CARE— A SYSTEMATIC REVIEW

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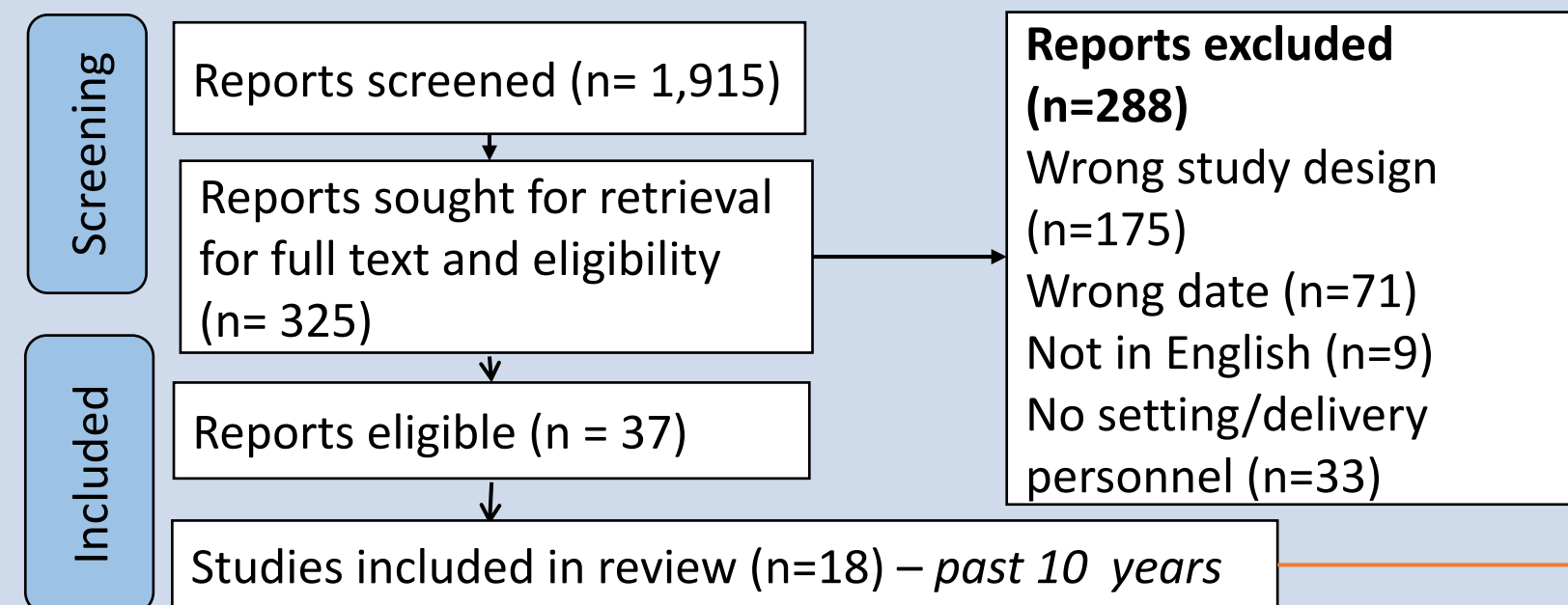
## Introduction

Breast cancer-related lymphoedema (BCRL) is a chronic and progressive condition that has significant physical, psychosocial, and economic impacts. Strategies can prevent, treat, and manage BCRL, although the scope and effectiveness of these strategies aligned to a delivery model framework have yet to be systematically evaluated.

**AIM:** This systematic review aims to summarise the scope and evidence of the effectiveness of BCRL models of care and their domains across the breast cancer care continuum.

## Methods

### Identification of studies via 5 electronic databases



### Extraction and Analyses

- Outcomes extracted and grouped by care models; Exercise-based, Multi-therapy (combinations of interventions) and Alternative therapy.
- Results synthesised narratively.
- Quality assessment: JBI Critical Appraisal Checklist for the assessment of risk of bias for randomised controlled trials.

Figure 1. PRISMA Diagram

P: Adults either at risk of developing or with established BCRL.

I: Any current model of care that prevented, treated or managed BCRL. To be a current model of care, studies must state the setting of care and the personnel who delivered it and be published within the past 10 years.

C: Standard care

O: Effectiveness outcomes

## Results

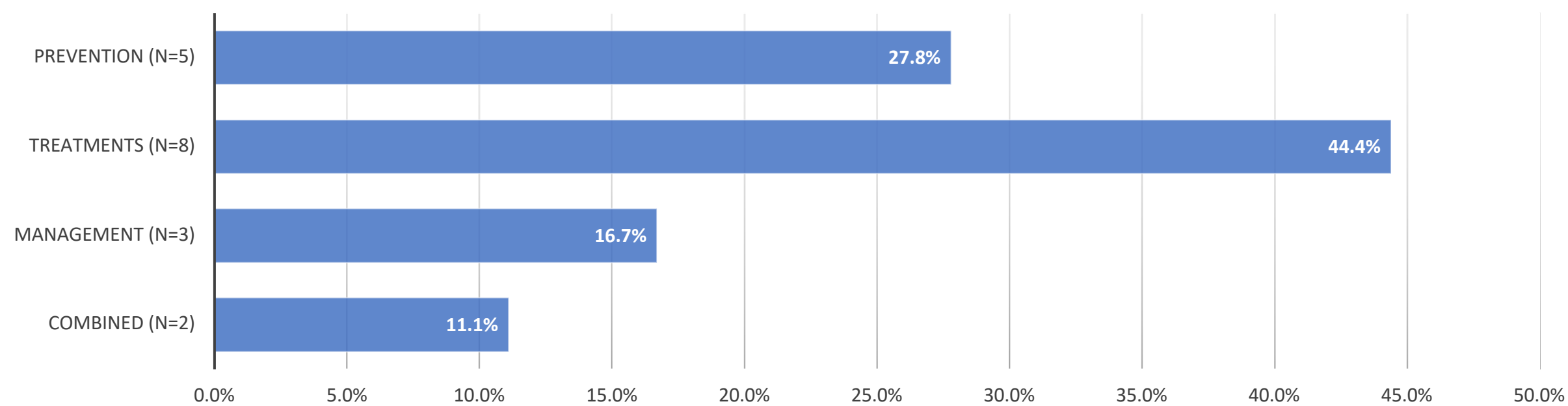


Figure 2. Domains of Care

## Results

### Summary of Effectiveness of Exercise-related Models of Care on BCRL

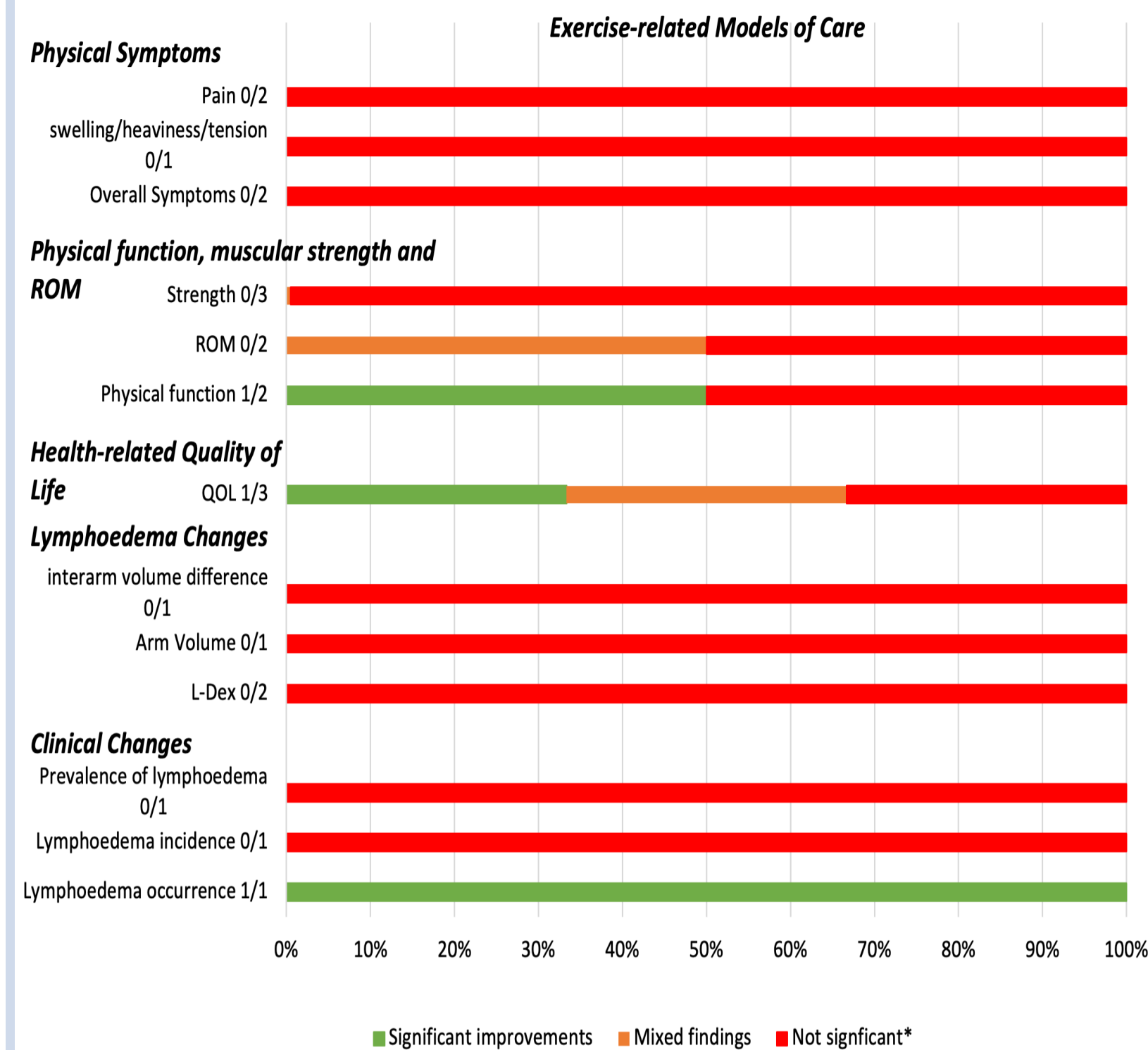


Figure 3. Exercise-related Models of Care Effectiveness Outcomes

### Summary of Effectiveness of Multi-therapy Models of Care on BCRL

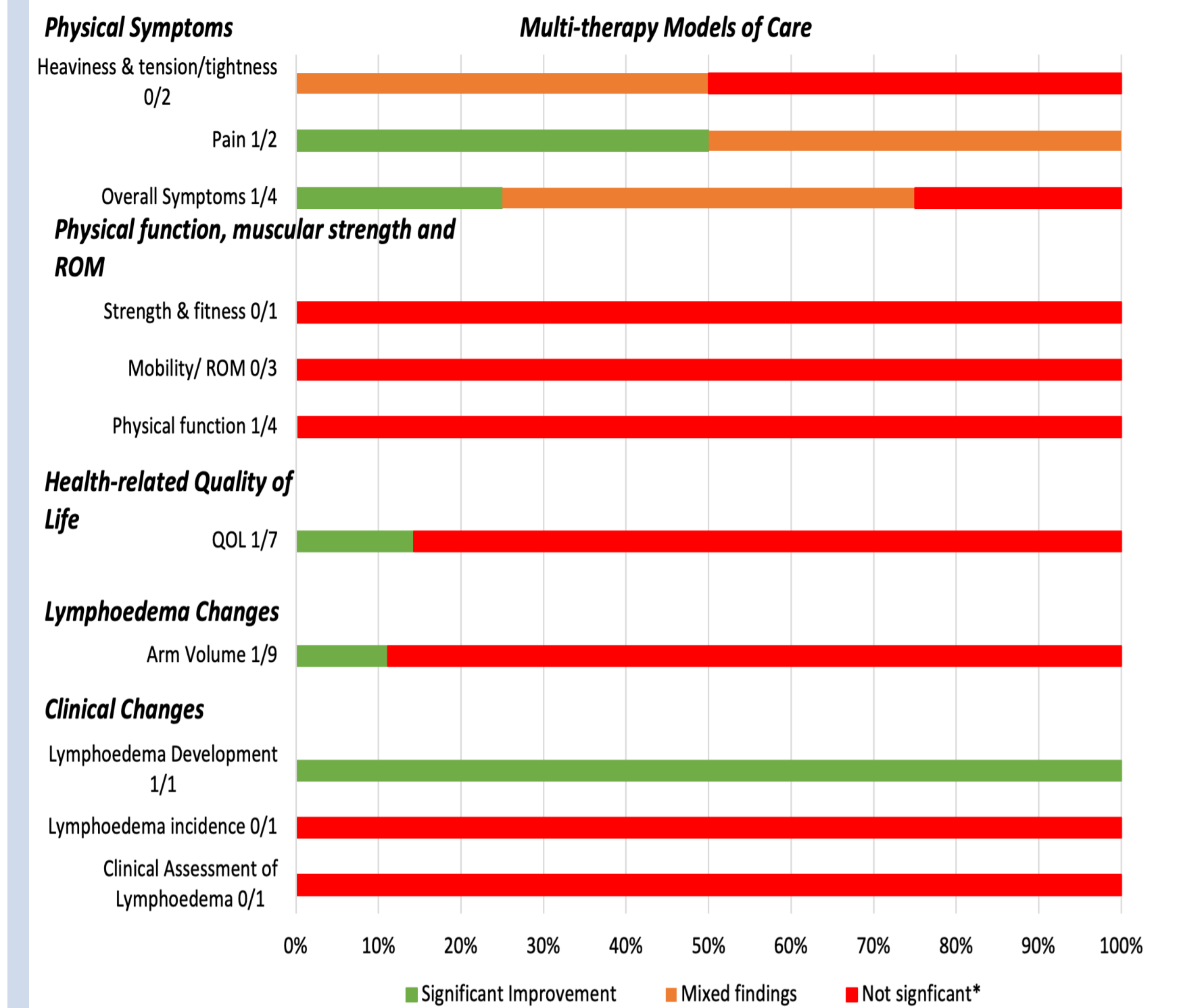


Figure 4. Multi-therapy Models of Care Effectiveness Outcomes

## Conclusions

- Current care models for BCRL are diverse in their role, timing, personnel, settings, and delivery.
- Similarly, the effectiveness of models of care on BCRL-related outcomes is varied.
- Current interventions are primarily treatment-focused either solely or in combination with prevention or management.
- Future studies should focus on the screening or prevention of BCRL.