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Landsman, Johanna; Reijneveld, Menno; Lensink, Robert; Pardoel, Zinzi; Widyaningsih, Vitri; Koot, Jaap; Fenenga, Christine; Postma, Maarten; Nguyen, Hoang; Stein, Claire

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# Core health-components, contextual factors and program elements of communitybased interventions in Southeast Asia – a realist synthesis regarding hypertension and diabetes

Zinzi E. Pardoela (z.e.pardoel@umcg.nl), Sijmen A. Reijnevelda, Robert Lensink<sup>b</sup>, Vitri Widyaningsih<sup>c</sup>, Ari Probandari<sup>c</sup>, Claire Stein<sup>d</sup>, Giang Nguyen Hoange, Jaap A.R. Koota, Christine J. Fenengaa, Maarten Postmaa,b,f,g, Jeanet J.A. Landsman<sup>a</sup>

## Background

- In Southeast Asia (SEA), Non-communicable Diseases (NCDs) are the leading cause of death Specifically, diabetes and hypertension have become a major public health issue.
- Community-based interventions, targeting various aims, including NCD prevention are common in SEA. Communitybased interventions are implemented in a population, aimed at behavioural change in individuals with varying levels of risk.
- Evidence on the link between community-based interventions and health is scattered and overview lacks. In addition, little is known about contextual influences and program elements, for instance the synergy with health-facility-based NCDinterventions.

## Aims:

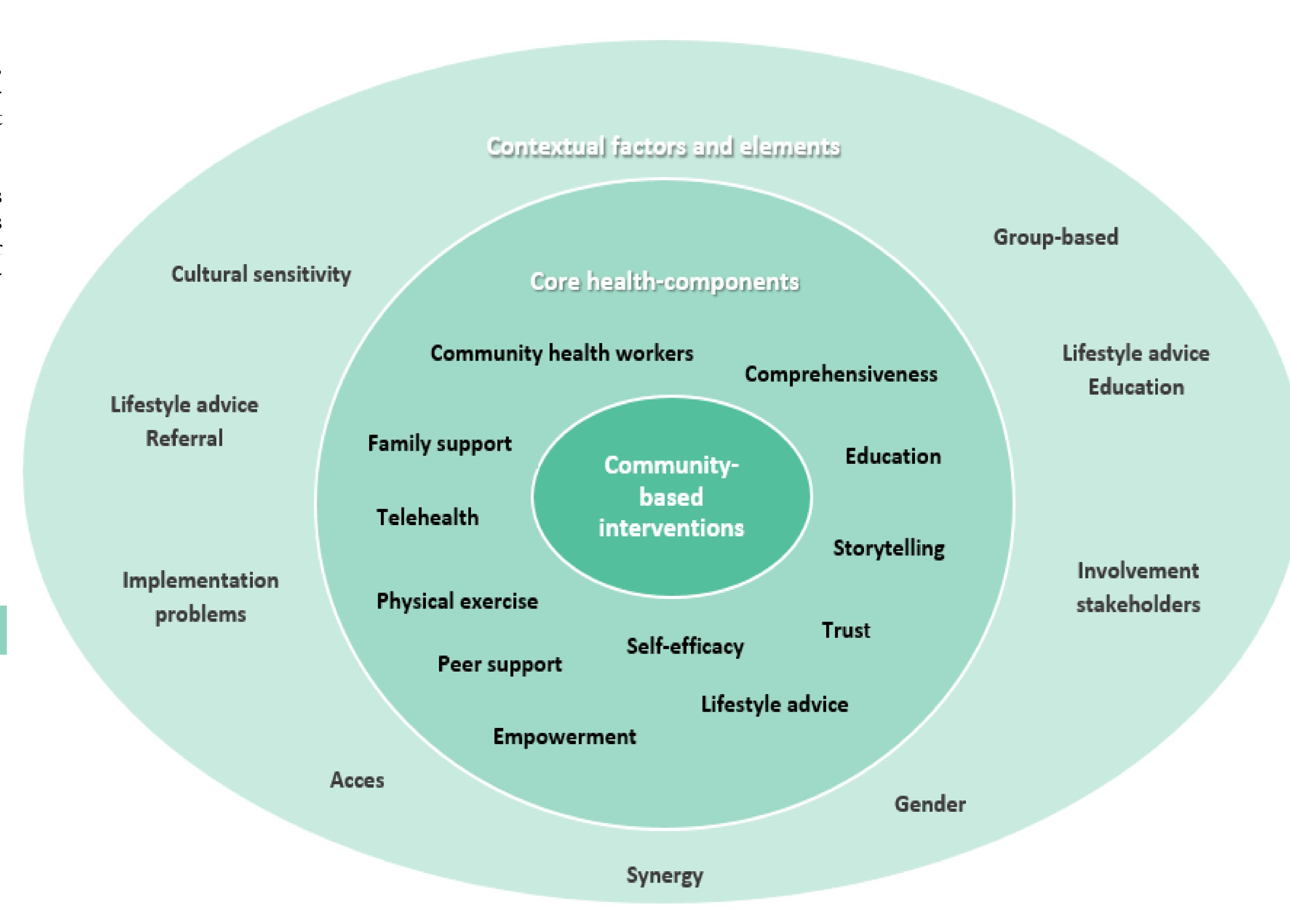
- 1.To assess the core health-components of community-based interventions;
- 2. Which contextual factors and program elements affect the impact of communitybased interventions on health, in Southeast Asia.

# Methodology

- A Realist review design, i.e. a method of systematic reviewing of complex social interventions.
- → Both scientific documents and grey literature, in both the English and local languages were included to review aspects and settings closer to the communities and their context.
- Combining empirical evidence with theoretical understanding results in explanatory analysis about what could work, for whom and in what circumstances.
- → A total of 79 documents were included in the synthesis.

## Results

We found 12 core health-components of interventions and ten contextual factors and intervention elements. Figure 2 illustrates all corehealth components and contextual factors and elements.



## Conclusion & Key messages

Our review provides an overview of effective core health-components and contextual factors and program elements of community-based interventions, regarding diabetes and hypertension.

Effective interventions provide:

- A comprehensive approach, offering a combination of activities aiming at increasing knowledge, improving skills, and enhancing self-efficacy towards health behaviour.
- Telehealth, also in rural areas, to enable provision of reliable information, and also for more direct provider – user interaction when access to healthcare is limited.
- Storytelling, increasing health literacy in people with limited competencies. Storytelling can easily be adapted to the context, making it culturally sensitive.
- Conducive environment, in terms of optimal implementation with for instance sufficient and adequately trained staff and ideal infrastructure and equipment. Effective interventions are custom-made, fitting in local cultural and social context.

By using a realist methodology, this review contributes to an in-depth understanding of what components and context elements community-based interventions need, to be as effective as possible.

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<sup>a</sup> University of Groningen, University Medical Center Groningen, Department of Health Sciences, The Netherlands, <sup>b</sup> University of Groningen, Faculty of Economics and Business, The Netherlands, <sup>c</sup> Universitas Sebelas Maret, Department of Public Health, Faculty of Medicine, Indonesia, d HelpAge International, Myanmar, e Health Strategy and Policy Institute, Vietnam, f Universitas Airlangga, Faculty of Medicine, Department of Pharmacology and Therapy, Indonesia, <sup>g</sup> Universitas Padjadjaran, Center of Excellence in Higher Education for Pharmaceutical Care Innovation, Indonesia



















