

Study protocol: Why pregnant women eat what they eat.

Socio-ecological determinants of antenatal diet and development of a tool for midwives.

Y.H. Beulen^{1, 2}, M.A.E. Wagemakers¹, A. Geelen², M.A. Koelen¹, E.J.M. Feskens²

- ¹ Department of Social Sciences, chairgroup Health and Society, Wageningen University, the Netherlands
- 2 Department of Agrotechnology and Food Sciences, division of Human Nutrition, Wageningen University, the Netherlands

Background

Pregnant women do not adhere to nutrition guidelines sufficiently, especially those in lower socioeconomic status (SES) populations.

Healthy nutrition promotion in midwifery practice is promising:

- antenatal diet affects maternal and child health
- pregnancy is a critical transition in life, during which women are open to dietary changes
- midwives are their first and most trusted source of information

Objective

To develop/improve a tool for midwives (and/or dietitians) to assess and optimise contextual dietary intake of low SES pregnant women in the Netherlands.



Methods

- Mixed methods: quantitative and qualitative (see figure)
- Assets based approach: focussing on strengths and capabilities, rather than risks and problems
- Ecological perspective: taking into account intrapersonal, interpersonal and socio-cultural factors influencing dietary intake

What is pregnant women's contextual dietary intake and what tools/methods can midwives use in their daily practice to assess and optimise pregnant women's dietary intake?

1. What individual, interpersonal and socio-cultural factors drive **pregnant women's** dietary intake?

2. What resources do **midwives** need to assess and optimise pregnant women's dietary intake?

3. What **tools** are available to assess and optimise pregnant women's dietary intake?

50 Interviewer-administered meal-based food frequency questionnaires (FFQs) to assess contextual dietary intake of pregnant women

- 3 literature studies
- 20 in-depth interviews with midwives
- 20 in-depth interviews with pregnant women (and their partners)
- 10 focus groups with pregnant women, their partners and midwives
- 5 expert consultations

Develop a tool or adapt an existing tool for use in (low-SES) pregnant women

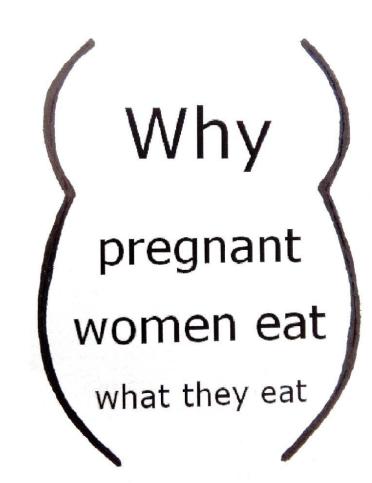
4. What are the barriers and facilitating factors in relation to using tools/methods to assess and optimise pregnant women's contextual dietary intake in line with concurrent antenatal care by midwives?

Extra individual consultations and group sessions CenteringPregnancy by midwives and/or dieticians Interviews, video recordings, focus groups

Figure Overview of the main research question, sub-questions and research methods

Discussion

- Scientifically relevant knowledge: low SES pregnant women's contextual dietary intake is studied in depth.
- Innovative: midwives and pregnant women are engaged in research activities, resulting in context-sensitive usable knowledge that will increase implementation chances.
- Societal impact: results will lead to recommendations for multidisciplinary strategies to promote healthy antenatal nutrition in low SES populations in the Netherlands.



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