

## Reproductive factors, lifestyle and dietary habits among pregnant women in Greenland

**Background:** During past decades the formerly active lifestyle in Greenland has become sedentary, and the intake of traditional food has gradually been replaced with imported food. These lifestyle and dietary habits may affect pregnant women. **Aim:** To describe age and regional differences in reproductive factors, lifestyle and diet among Greenlandic pregnant women in their first trimester. **Methods:** A cross-sectional study during 2013–2015 including 373 pregnant women was conducted in five Greenlandic regions (West, Disko Bay, South, North and East). Interview-based questionnaires on reproductive factors, lifestyle and dietary habits were compared in relation to two age groups (median age  $\leq 28$  years and  $> 28$  years). **Results:** In total, 72.4% were Inuit, 46.6% had BMI  $> 25.0$  kg/m<sup>2</sup>, 29.0% were smoking during pregnancy and 54.6% had used hashish. BMI, educational level, personal income, previous pregnancies and planned breastfeeding period were significantly higher in the age group  $> 28$  years of age compared to the age group  $\leq 28$  years of age. In region Disko Bay, 90.9% were Inuit, in region South more had a university degree (37.9%) and region East had the highest number of previous pregnancies, the highest number of smokers during pregnancy and the most frequent intake of sauce with hot meals and fast-food. **Conclusions:** Overall a high BMI and a high smoking frequency were found. Age differences were found for BMI and planned breastfeeding period, while regional differences were found for smoking and intake of sauce with hot meals and fast-food. Future recommendations aimed at pregnant women in Greenland should focus on these health issues.

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