

R. J. Gardner, Peter Gritzmann, Dieter Prangenberg

On the Reconstruction of Binary Images from Their Discrete Radon Transforms

Bericht des Journal of Public Health

Kurzfassung

Objective: To determine the patterns and determinants of nutritional status among women in Nigeria. **Methods:** Using a body mass index (BMI) category of 18.5–24.99 kg/m² (normal weight) as the reference, set of univariable and multivariable multinomial logistic regression models were fitted to investigate the independent association between different sociodemographic characteristics and nutritional status. Results were presented in the form of relative risk ratios (RRR) with significance levels and 95% confidence intervals (95% CI). **Results:** Almost two-thirds of women had BMIs in the normal range. Of the total sample, 14.5% of subjects were classified as underweight, 14.3% as overweight and 5.5% as obese. The youngest women are the most likely subgroup to be thin; one-quarter of women aged 15–19 have a BMI of less than 18.5 kg/m². There is significant regional variation, with the prevalence of thinness ranging from 6% in the north central area to 22% in the northeast. There was a clear socioeconomic distribution underlying patterns of nutritional status, with women in low socioeconomic positions (SEP) experiencing a greater risk of being underweight and those in high SEPs experiencing the greatest risk of being overweight and obese. **Conclusions:** The results show that women in low SEPs are more likely to be underweight, and women in high SEPs are more likely to be obese. There is a need for public health programs to promote nutritious food and a healthy lifestyle to address both types of malnutrition at the same time. It will also be important for these programs to be age and region sensitive.