



Happiness and associated factors amongst pregnant women in the United Arab Emirates: The Mutaba'ah Study

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Background

Happiness is a subjective sense of well-being, joy, or contentment that includes both positive affect and life satisfaction. Prenatal happiness and life satisfaction research are often over-shadowed by other pregnancy and birth outcomes. There is limited extent scientific literature on the health and well-being of women during pregnancy in the UAE. This analysis investigated the level of, and factors associated with happiness amongst pregnant women in the United Arab Emirates.

Method

This study reports the results from the baseline cross-sectional data from pregnant women participating in the Mutaba'ah study². Data was collected via self-administered questionnaires about sociodemographic and pregnancy-related information during the antenatal visits between May 2017-July 2021. Happiness was assessed on a 10-point scale (1=very unhappy; 10=very happy. Regression models were used to evaluate the association between various factors and happiness.

Results

Overall 9,350 pregnant women were included with a mean (\pm SD) age of 31.0 \pm 6.0 years. The majority were multiparous with mean parity 2 \pm 2. The mean (\pm SD) happiness score was 7.7 \pm 2.2 and the median score was 8 (IQR: 6-10) for the included pregnant women. Majority (60.9%) of the women reported their happiness as \geq 8 whilst more than a quarter (28.4%) perceived themselves to be "very happy" (maximum score of 10).

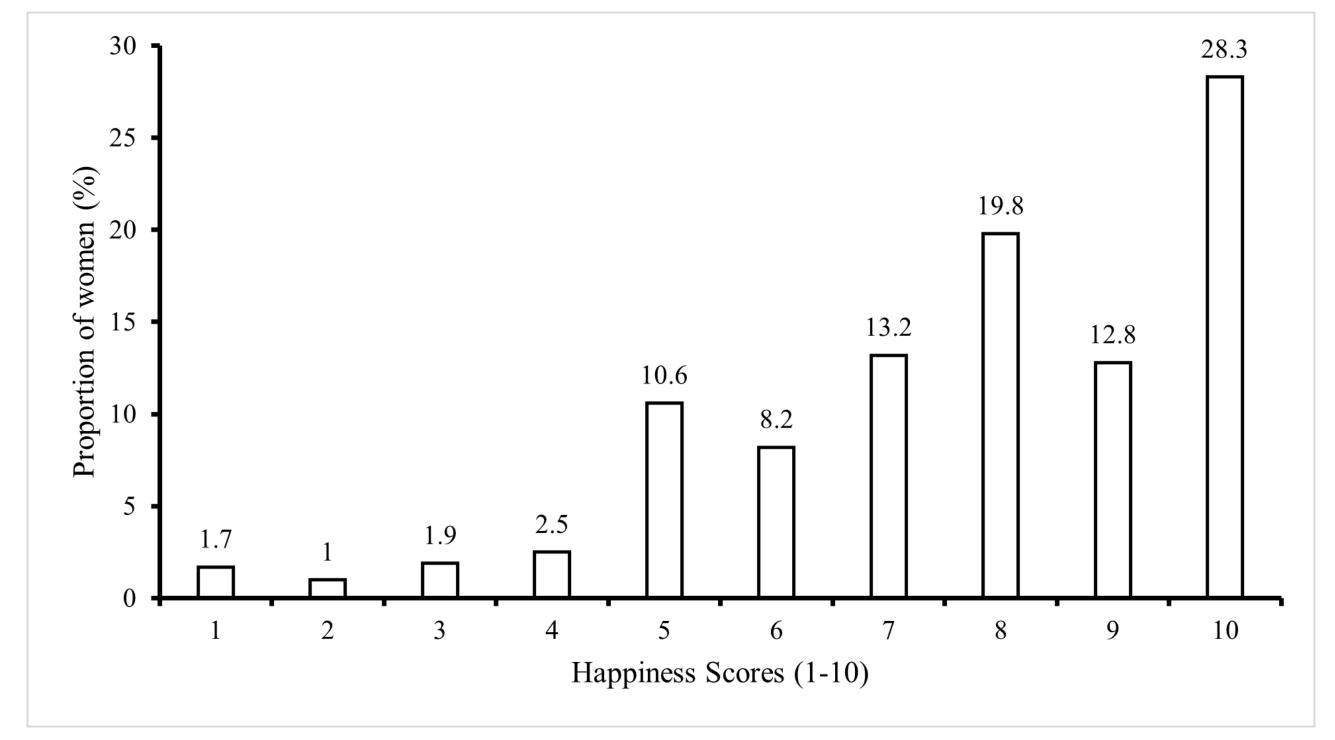


Figure 1: Distribution of happiness scores amongst 9,350 pregnant women in Al Ain, UAE. The Mutaba'ah Study

Higher levels of social support, planned pregnancies and primi-gravidity were independently associated with higher odds of being happier; adjusted odds ratio (aOR (95% CI): 2.02 (1.71-2.38), 1.34 (1.22-1.47), and 1.41 (1.23-1.60)), respectively. Women anxious about childbirth had lower odds of being happier (aOR: 0.58 (0.52-0.64)), as shown in Table 1.

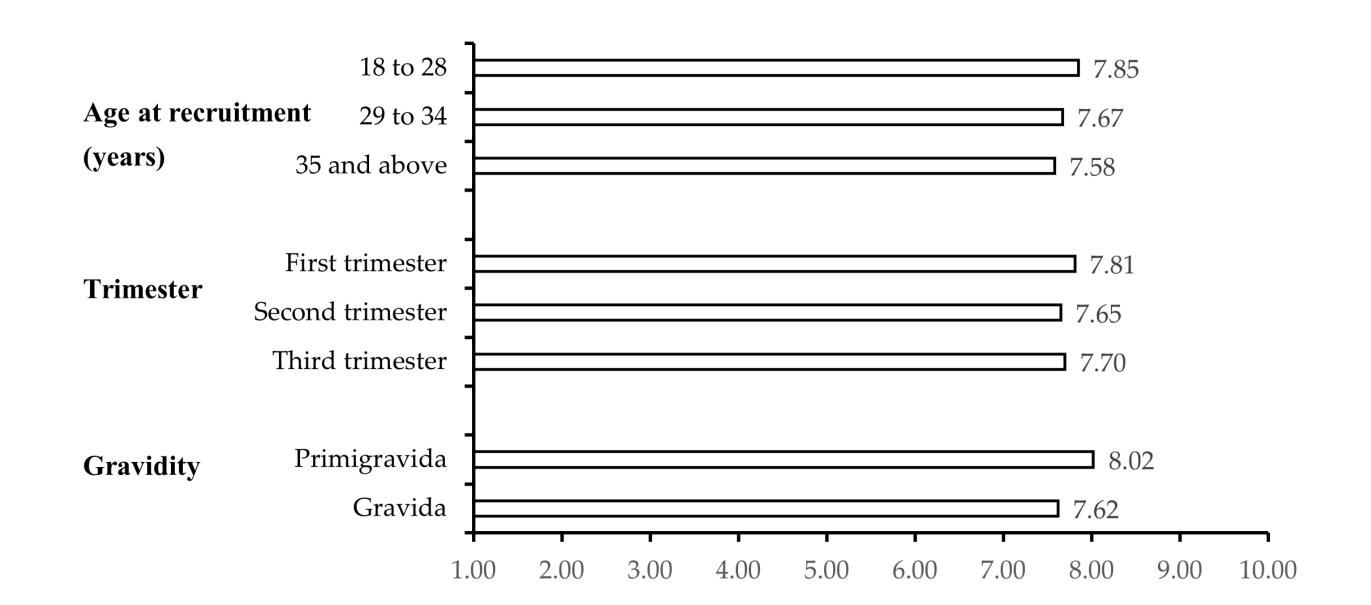


Figure 2: Distribution of median happiness scores by demographic groups amongst the study participants

<u>Table 1</u>: Association of sociodemographic and healthcare factors with happiness among 9350 participants

Characteristic	Crude Odds Ratio (95% CI)	Adjusted Odds Ratio (95% CI)
Education	1.14 (1.05-1.24%	1.10 (1.00-1.20%
Employment	0.95 (0.87-1.04%	0.94 (0.85-1.03%
Perceived Social support	2.19 (1.90-2.53%)	2.04 (1.77-2.37%)
Worry about birth	0.57 (0.52-0.62%)	0.56 (0.51-0.61%)
Primigravida	1.42 (1.28-1.58%)	1.43 (1.27-1.61%)
Planned pregnancy	1.39 (1.28-1.52%)	1.36 (1.24-1.48%)

^{*}Model adjusted for all covariates in addition to age and gravidity (imputed data for missing values), p value < 0.5

Conclusions

- ☐ Self reported happiness rates were high among pregnant women in the UAE.
- ☐ Health services focusing on enhancing social support and promoting a positive mood about pregnancy and childbirth may ensure continued happiness during pregnancy and beyond among women in the UAE.

Acknowledgments

- The authors would like to acknowledge and thank all the participants of The Mutaba'ah Study, and Tawam, Al Ain and Kanad Hospitals.
- The study was supported by funds from the Zayed Center for Health Sciences, UAE University, Grant #31R183

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