

RESEARCH

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6. ...

7. ...

8. ...

9. ...

B 10. ...

11. D. ...

A ...

C ...

15 30 2 7 12.

B. 61% 3. 13.

14. ...

15, 16. ...

17. ...

A ...

B ...

B ...

18, 19.

B ...

B ...

(2015) ...

2 ...

: (1) ...

(2) ...

B ...

Methods

Study design and study population

F 2016 2017,

≥20 19–40

20. B

152 (42 ; 110).

13, 32

C 452

80% 14.3%

B 2. A

E 498

A

Data collection

A ...

AC ... A

Table 1 Maternal characteristics in urban and rural area (n = 437)

| Characteristics | Urban (n = 199) | Rural (n = 238) | p-value |
|---|--------------------|--------------------|----------|
| Age (years) ^a | 29.54 (4.76) | 29.19 (5.23) | 0.44 |
| Gestational age at study visit, (weeks) ^a | 30.46 (5.52) | 30.19 (5.82) | 0.62 |
| Second Trimester (≥20–26 weeks) (%) | 49 (24.62) | 75 (31.51) | 0.11 |
| Third Trimester (≥27 weeks) (%) | 150 (75.38) | 163 (68.49) | |
| Parity (%) | | | |
| 0 | 91 (45.7) | 79 (33.2) | 0.01* |
| 1–2 | 57 (28.6) | 70 (29.4) | |
| ≥ 3 | 51 (25.6) | 89 (37.4) | |
| Ethnicity (%) | | | |
| Malay | 145 (72.9) | 182 (76.5) | 0.02* |
| Chinese | 26 (13.1) | 12 (5.0) | |
| Indian | 28 (14.1) | 44 (18.5) | |
| Marital Status (%) | | | |
| Married | 195 (98) | 237 (99.6) | 0.06 |
| Single/Widowed | 4 (2) | 1 (0.4) | |
| Education Level (%) | | | |
| Primary School | 4 (2) | 10 (4.2) | < 0.001* |
| Secondary School | 70 (35.2) | 133 (55.9) | |
| Tertiary School | 125 (62.8) | 95 (39.9) | |
| Monthly Household Income (%) ^b | | | |
| Low (< RM2500) | 58 (29.1) | 143 (60.1) | < 0.001* |
| Middle (RM2500-RM5599) | 105 (52.8) | 77 (32.4) | |
| High (≥ RM5600) | 36 (18.1) | 18 (7.6) | |
| Occupation (%) | | | |
| Managers & Professional | 57 (28.6) | 36 (15.1) | < 0.001* |
| Technician, Associate Professional, Clerical, Sales Workers | 79 (39.7) | 59 (24.8) | |
| Agricultural, Forestry, Fishery, Craft Workers, Plant and Machine Operators | 6 (3) | 10 (4.2) | |
| Unemployed | 57 (28.6) | 133 (55.9) | |

^aReported in Mean (SD); LMP Last menstrual period, RM Ringgit Malaysia (1 USD = RM4.04);

^bBased on the cut-off of 11th Malaysia Plan 2016–2020; * Significance value at $p < 0.05$

Table 2 Maternal physical activity level in urban and rural pregnant women (n = 437)

| | Urban n = 199 | Rural n = 238 | p-value |
|---|----------------------|----------------------|---------|
| Intensity of Physical Activity (MET-hours/week) | Median (25th, 75th) | Median (25th, 75th) | |
| Total | 186.1 (130.0, 248.5) | 184.8 (127.6, 247.3) | 0.748 |
| Sedentary | 74.2 (41.7, 104.4) | 58.0 (30.7, 96.0) | 0.003* |
| Moderate | 15.8 (0.8, 44.8) | 15.8 (4.8, 47.9) | 0.383 |
| Light | 79.5 (52.2, 108.8) | 88.2 (57.6, 115.7) | 0.111 |
| Vigorous | 0 (0, 0) | 0 (0, 0) | 0.228 |
| Type of Physical Activity | | | |
| Household | 76 (45.2, 113.9) | 82.8 (52.5, 124.6) | 0.036* |
| Occupational | 49 (0, 86.5) | 0 (0, 71) | 0.000* |

($p < 0.001$). B ($p = 0.001$)
($p = 0.001$)

(3). B

Maternal and infant characteristics

A. 437

235

4.

(39.5% - 30.7%). B

AC, 23 31

26, 27

($p = 0.03$),

($p = 0.008$).

(10% - 2%)

(3.9%, $n = 4$)

(3.9% - 1.5%)

(34.46

33.32).

Risk factors for low birth weight infant in urban and rural pregnant women

($p < 0.05$).

B

AC ($R = 0.735$, 95% C = 0.567 - 0.952)

($R = 0.267$, 95% C = 0.097-0.737)

B

(5).

($R = 1.332$, 95% C = 1.039 - 1.708)

B D

31.7%

B

Discussion

B

30. A

E

32.

F

B

B

13, 33

B

33.

B

33. 5 () 89.4(5.1(B 4.1(A 8%) -5 -512.123(,) -36 D () 16.5() -315.8((, ,) ,) 11.6(-) -8150-1.2206
 (A) -9.87 ' 37() D 86 ' 2 9 321.2(F) (, ((764 D78) (9 8 -622.6()-17) -611.9
 38 .78 ' 68 89.-(B -3)-11. 7 3 4 D (73) 1D (9() -137 8 -721. 7.3() -723 (2)- --3)-11. 4(3(-313.6(
 43 (A) -7) 23 3(8.6(() -315.8(() 3) D.2(3133) D77 62.4() 0-1

