

**Table 3 Logistic regression analysis for factors related to performing breast self-examination (BSE) (n = 425)**

| Variable                                      | $\beta$ -coefficient | SE    | Wald   | P-value | OR   | 95% CI    |
|---|----------------------|-------|--------|---------|------|-----------|
| <i>Marital status</i>                         |                      |       |        |         |      |           |
| Single  |                      |       |        |         | 1    |           |
| Married                                       | 0.244                | 0.520 | 0.221  | 0.638   | 1.28 | 0.46–3.53 |
| <i>Age (years)</i>                            |                      |       |        |         |      |           |
| 20–30   |                      |       |        |         | 1    |           |
| 31–40   | 0.55                 | 0.370 | 0.022  | 0.883   | 1.06 | 0.51–2.18 |
| 41–50   | –0.360               | 0.429 | 0.703  | 0.402   | 0.70 | 0.30–1.62 |
| > 50  | –1.177               | 0.809 | 2.129  | 0.145   | 0.31 | 0.06–1.50 |
| <i>Education</i>                              |                      |       |        |         |      |           |
| Diploma                                       |                      |       |        |         | 1    |           |
| Degree  | 0.310                | 0.515 | 0.364  | 0.546   | 1.36 | 0.50–3.74 |
| Postgraduate                                  | –0.450               | 0.819 | 0.302  | 0.583   | 0.64 | 0.13–3.17 |
| <i>Income (RM)</i>                            |                      |       |        |         |      |           |
| < 3000  |                      |       |        |         | 1    |           |
| 3000–5000                                     | –0.123               | 0.402 | 0.093  | 0.760   | 0.88 | 0.40–1.95 |
| > 5000  | 0.389                | 0.446 | 0.760  | 0.383   | 1.48 | 0.62–3.34 |
| <i>Insurance</i>                              |                      |       |        |         |      |           |
| No  |                      |       |        |         | 1    |           |
| Yes   | 0.105                | 0.314 | 0.112  | 0.738   | 1.11 | 0.60–2.06 |
| <i>Regular health checkups</i>                |                      |       |        |         |      |           |
| No  |                      |       |        |         | 1    |           |
| Yes   | 1.291                | 0.354 | 13.325 | 0.001   | 3.64 | 1.82–7.27 |
| <i>Family history of breast cancer</i>        |                      |       |        |         |      |           |
| No  |                      |       |        |         | 1    |           |
| Yes   | 0.912                | 0.506 | 3.249  | 0.071   | 2.49 | 0.92–6.71 |
| <i>Personal history of breast disease</i>     |                      |       |        |         |      |           |
| No  |                      |       |        |         | 1    |           |
| Yes   | –0.156               | 0.849 | 0.034  | 0.854   | 0.86 | 0.16–4.52 |
| <i>Heard about BSE</i>                        |                      |       |        |         |      |           |
| No  |                      |       |        |         | 1    |           |
| Yes   | 0.626                | 1.119 | 0.313  | 0.576   | 1.87 | 0.21–16.8 |
| <i>Perceived health status</i>                |                      |       |        |         |      |           |
| Poor  |                      |       |        |         | 1    |           |
| Good  | 1.467                | 0.958 | 2.346  | 0.126   | 4.34 | 0.66–28.3 |
| Satisfied                                     | 1.522                | 0.946 | 2.587  | 0.108   | 4.58 | 0.72–29.3 |
| <i>Undergoing clinical breast examination</i> |                      |       |        |         |      |           |

|  |        |       |       |       |      |           |
|--|--------|-------|-------|-------|------|-----------|
| No                                     |        |       |       |       | 1    |           |
| Yes                                    | 0.639  | 0.335 | 3.634 | 0.057 | 1.90 | 0.98–3.66 |
| <b>Sources of information</b>          |        |       |       |       |      |           |
| Others                                 |        |       |       |       | 1    |           |
| Doctors                                | 0.115  | 0.301 | 0.147 | 0.701 | 1.12 | 0.63–2.62 |
| <b>Knowledge and beliefs</b>           |        |       |       |       |      |           |
| Knowledge of breast cancer & screening | 0.073  | 0.026 | 8.240 | 0.004 | 1.08 | 1.02–1.13 |
| Susceptibility to breast cancer        | 0.054  | 0.034 | 2.522 | 0.112 | 1.06 | 0.99–1.13 |
| Seriousness of breast cancer           | 0.033  | 0.026 | 1.591 | 0.207 | 1.03 | 0.98–1.09 |
| Benefits of BSE                        | 0.003  | 0.048 | 0.003 | 0.955 | 1.01 | 0.88–1.07 |
| Barriers to BSE                        | –0.010 | 0.041 | 0.061 | 0.806 | 0.91 | 0.92–1.00 |
| Confidence in BSE                      | 0.061  | 0.028 | 4.804 | 0.028 | 1.06 | 1.00–1.12 |
| Health motivation                      | 0.043  | 0.043 | 1.036 | 0.309 | 1.04 | 0.96–1.14 |

SE = standard error; OR = odds ratio; CI = confidence interval;  
RM = Malaysian ringgit.