

Multiple linear regression models for correctly answered questions (%)

| Predictors                                                        | Model 1       |                   |        | Model 2       |                   |        | Model 3       |                   |        | Model 4       |                   |        | Model 5       |                   |        | Model 6       |                   |        |
|-------------------------------------------------------------------|---------------|-------------------|--------|---------------|-------------------|--------|---------------|-------------------|--------|---------------|-------------------|--------|---------------|-------------------|--------|---------------|-------------------|--------|
|                                                                   | Estimates     | CI                | p      | Estimates     | CI                | p      | Estimates     | CI                | p      | Estimates     | CI                | p      | Estimates     | CI                | p      | Estimates     | CI                | p      |
| (Intercept)                                                       | 0.5976        | 0.5701 – 0.6251   | <0.001 | 0.6090        | 0.5831 – 0.6349   | <0.001 | 0.6686        | 0.6471 – 0.6901   | <0.001 | 0.6344        | 0.6104 – 0.6584   | <0.001 | 0.5670        | 0.5343 – 0.5996   | <0.001 | 0.6826        | 0.6669 – 0.6982   | <0.001 |
| Number of years in profession                                     | -0.0010       | -0.0014 – -0.0007 | <0.001 | -0.0010       | -0.0014 – -0.0007 | <0.001 | -0.0011       | -0.0014 – -0.0008 | <0.001 | -0.0011       | -0.0014 – -0.0008 | <0.001 | -0.0010       | -0.0013 – -0.0006 | <0.001 | -0.0011       | -0.0014 – -0.0008 | <0.001 |
| Sex: female                                                       | 0.0102        | 0.0021 – 0.0184   | 0.014  | 0.0106        | 0.0026 – 0.0186   | 0.010  | 0.0085        | 0.0001 – 0.0168   | 0.047  | 0.0091        | 0.0011 – 0.0171   | 0.025  | 0.0122        | 0.0037 – 0.0206   | 0.005  | 0.0087        | 0.0007 – 0.0167   | 0.034  |
| Time since last continuing education course on oral cancer        | -0.0074       | -0.0115 – -0.0034 | <0.001 | -0.0081       | -0.0119 – -0.0042 | <0.001 | -0.0113       | -0.0152 – -0.0074 | <0.001 | -0.0111       | -0.0149 – -0.0074 | <0.001 | -0.0054       | -0.0096 – -0.0012 | 0.012  | -0.0122       | -0.0160 – -0.0085 | <0.001 |
| Approbation: oral and maxillofacial surgeon                       |               |                   |        |               |                   |        |               |                   |        |               |                   |        |               |                   |        | -0.0026       | -0.0564 – 0.0513  | 0.925  |
| My knowledge of oral cancer is current                            | 0.0257        | 0.0189 – 0.0324   | <0.001 |               |                   |        |               |                   |        |               |                   |        | 0.0144        | 0.0061 – 0.0226   | 0.001  |               |                   |        |
| I am adequately trained to examine patients for oral cancer       |               |                   |        | 0.0198        | 0.0142 – 0.0254   | <0.001 |               |                   |        |               |                   |        | 0.0167        | 0.0087 – 0.0247   | <0.001 |               |                   |        |
| Most dentists are adequately trained to perform oral cancer exams |               |                   |        |               |                   |        | 0.0054        | 0.0001 – 0.0107   | 0.046  |               |                   |        | -0.0086       | -0.0151 – -0.0020 | 0.010  |               |                   |        |
| Dentists are qualified to perform oral cancer exams               |               |                   |        |               |                   |        |               |                   |        | 0.0141        | 0.0089 – 0.0192   | <0.001 | 0.0081        | 0.0020 – 0.0142   | 0.009  |               |                   |        |
| Observations                                                      | 2453          |                   |        | 2590          |                   |        | 2390          |                   |        | 2611          |                   |        | 2226          |                   |        | 2656          |                   |        |
| R <sup>2</sup> / R <sup>2</sup> adjusted                          | 0.057 / 0.056 |                   |        | 0.052 / 0.051 |                   |        | 0.037 / 0.035 |                   |        | 0.048 / 0.046 |                   |        | 0.068 / 0.065 |                   |        | 0.036 / 0.035 |                   |        |

Supplement file 4: Multiple linear regression models for number of correctly answered questions (%) as dependent variable  
All models include an intercept term and the covariates (Number of year in profession, Sex, Time since last continuing education course on oral cancer). Models 1 to 4 include one additional independent variable of interest each, Model 5 includes all 4 additional independent variables, Model 6 includes the three covariates and approbation (oral and maxillofacial surgeon vs dentist).