

Appendix 4

**Model Coefficients and Variable Importance for Logistic Regression Models where
Sample Source is a Significant Outcome Predictor**

Table A3

*Multiple Logistic Model Predicting Whether Respondent Had to Do Some Caring Because
of Fairly Heavy Drinker*

| Term | Odds ratio | SE | Lower CI | Upper CI | P-value |
|--|-----------------------|-----------|-----------------|-----------------|----------------|
| (Intercept) | 0.294 | 0.339 | 0.151 | 0.572 | 0.000 |
| Sample source (Ref: Life in Australia) | | | | | |
| RDD mobile | 1.345 | 0.108 | 1.088 | 1.664 | 0.006 |
| Number of household adults (Ref: One) | | | | | |
| 2 | 0.941 | 0.133 | 0.726 | 1.221 | 0.648 |
| 3 or more | 1.241 | 0.157 | 0.912 | 1.689 | 0.169 |
| Age group (Ref: 18-24 years) | | | | | |
| 25-34 years | 0.707 | 0.217 | 0.462 | 1.082 | 0.110 |
| 35-44 years | 0.548 | 0.227 | 0.351 | 0.855 | 0.008 |
| 45-54 years | 0.629 | 0.215 | 0.412 | 0.959 | 0.031 |
| 55-64 years | 0.491 | 0.225 | 0.316 | 0.763 | 0.002 |
| 65-74 years | 0.363 | 0.256 | 0.220 | 0.600 | 0.000 |
| 75+ years | 0.179 | 0.348 | 0.091 | 0.355 | 0.000 |
| Country of birth (Ref: Australia) | | | | | |
| Mainly NESB background | 0.436 | 0.170 | 0.312 | 0.608 | 0.000 |
| Mainly ESB background | 0.847 | 0.160 | 0.619 | 1.159 | 0.299 |
| Highest education (Ref: Bachelor or higher) | | | | | |
| Below Bachelor | 0.822 | 0.112 | 0.660 | 1.024 | 0.080 |
| Employment status (Ref: Employed) | | | | | |
| Other | 0.850 | 0.135 | 0.652 | 1.108 | 0.231 |
| Gender (Ref: Male) | | | | | |
| Female | 1.211 | 0.105 | 0.985 | 1.489 | 0.070 |
| General health (Ref: Excellent) | | | | | |
| Very good | 1.180 | 0.172 | 0.842 | 1.652 | 0.337 |
| Good | 1.431 | 0.172 | 1.021 | 2.006 | 0.037 |
| Fair | 1.290 | 0.206 | 0.862 | 1.931 | 0.216 |
| Poor | 2.524 | 0.292 | 1.425 | 4.472 | 0.002 |
| Dwelling tenure (Ref: Own outright) | | | | | |
| Own with a mortgage | 1.318 | 0.153 | 0.977 | 1.778 | 0.071 |
| Other | 1.381 | 0.156 | 1.017 | 1.876 | 0.039 |
| Telephony status (Ref: Mobile only) | | | | | |
| Other | 0.910 | 0.119 | 0.721 | 1.150 | 0.429 |
| Part of state (Ref: Capital city) | | | | | |

| Term | Odds ratio | SE | Lower CI | Upper CI | P-value |
|--|------------|-------|----------|----------|---------|
| Rest of state | 1.325 | 0.123 | 1.041 | 1.685 | 0.022 |
| SEIFA IRSD (Ref: Quintile 5 - Least disadvantage) | | | | | |
| Quintile 1 - Most disadvantage | 1.108 | 0.183 | 0.774 | 1.584 | 0.576 |
| Quintile 2 | 0.991 | 0.181 | 0.695 | 1.413 | 0.959 |
| Quintile 3 | 1.059 | 0.169 | 0.760 | 1.476 | 0.735 |
| Quintile 4 | 1.173 | 0.163 | 0.853 | 1.613 | 0.326 |
| State (Ref: NSW) | | | | | |
| Victoria | 0.708 | 0.142 | 0.536 | 0.935 | 0.015 |
| Queensland | 1.008 | 0.148 | 0.755 | 1.346 | 0.956 |
| South Australia | 0.939 | 0.208 | 0.624 | 1.413 | 0.763 |
| Western Australia | 1.016 | 0.188 | 0.703 | 1.468 | 0.935 |
| Tasmania | 0.852 | 0.331 | 0.445 | 1.630 | 0.628 |
| Northern Territory | 1.705 | 0.434 | 0.729 | 3.991 | 0.219 |
| Australian Capital Territory | 1.629 | 0.376 | 0.780 | 3.402 | 0.194 |

Outcome variable: . (1) Respondent had to do some caring, (2) All others

Figure A1

Bar Graph of Percentage Proportion of Variance Each Predictor Contributes To Regression Model Whether Respondent Had To Do Some Caring because of Fairly Heavy Drinker

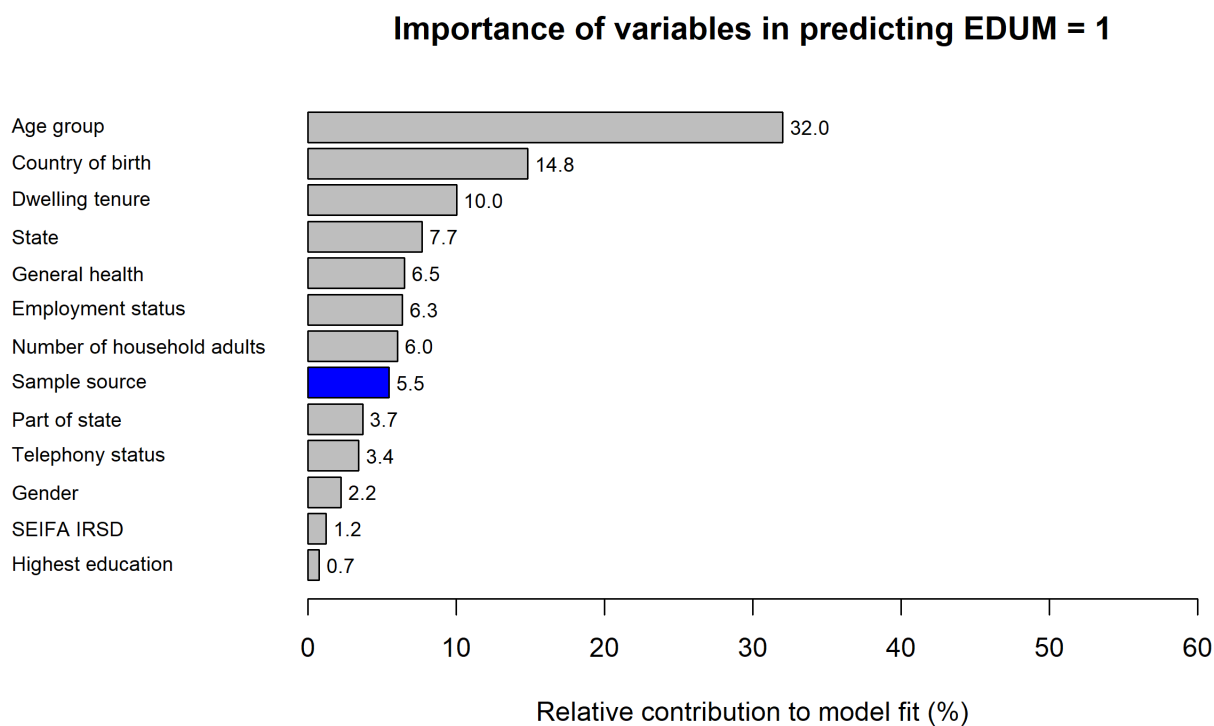


Table A4***Multiple Logistic Model Predicting How Much Respondent Perceives Their Drinking Negatively Affected Other People***

| Term | Odds ratio | SE | Lower CI | Upper CI | P-value |
|--|-------------------|-----------|-----------------|-----------------|----------------|
| (Intercept) | 0.093 | 0.567 | 0.031 | 0.283 | 0.000 |
| Sample source (Ref: Life in Australia) | | | | | |
| RDD mobile | 0.508 | 0.187 | 0.352 | 0.733 | 0.000 |
| Number of household adults (Ref: One) | | | | | |
| 2 | 0.907 | 0.217 | 0.593 | 1.388 | 0.654 |
| 3 or more | 1.317 | 0.251 | 0.806 | 2.153 | 0.272 |
| Age group (Ref: 18-24 years) | | | | | |
| 25-34 years | 1.119 | 0.326 | 0.591 | 2.121 | 0.729 |
| 35-44 years | 0.765 | 0.347 | 0.387 | 1.512 | 0.441 |
| 45-54 years | 0.644 | 0.337 | 0.333 | 1.246 | 0.192 |
| 55-64 years | 0.419 | 0.371 | 0.202 | 0.867 | 0.019 |
| 65-74 years | 0.340 | 0.440 | 0.144 | 0.806 | 0.014 |
| 75+ years | 0.259 | 0.589 | 0.082 | 0.823 | 0.022 |
| Country of birth (Ref: Australia) | | | | | |
| Mainly NESB background | 0.409 | 0.292 | 0.231 | 0.726 | 0.002 |
| Mainly ESB background | 1.140 | 0.244 | 0.706 | 1.841 | 0.592 |
| Highest education (Ref: Bachelor or higher) | | | | | |
| Below Bachelor | 1.095 | 0.179 | 0.771 | 1.556 | 0.611 |
| Employment status (Ref: Employed) | | | | | |
| Other | 0.606 | 0.232 | 0.384 | 0.956 | 0.031 |
| Gender (Ref: Male) | | | | | |
| Female | 0.658 | 0.168 | 0.473 | 0.915 | 0.013 |
| General health (Ref: Excellent) | | | | | |
| Very good | 1.812 | 0.321 | 0.965 | 3.402 | 0.064 |
| Good | 2.099 | 0.322 | 1.117 | 3.944 | 0.021 |
| Fair | 2.833 | 0.350 | 1.426 | 5.631 | 0.003 |
| Poor | 2.716 | 0.542 | 0.939 | 7.854 | 0.065 |
| Dwelling tenure (Ref: Own outright) | | | | | |
| Own with a mortgage | 1.429 | 0.263 | 0.853 | 2.394 | 0.176 |
| Other | 1.195 | 0.272 | 0.701 | 2.036 | 0.512 |
| Telephony status (Ref: Mobile only) | | | | | |
| Other | 0.652 | 0.202 | 0.439 | 0.969 | 0.034 |
| Part of state (Ref: Capital city) | | | | | |
| Rest of state | 1.213 | 0.196 | 0.826 | 1.783 | 0.325 |
| SEIFA IRSD (Ref: Quintile 5 - Least disadvantage) | | | | | |
| Quintile 1 - Most disadvantage | 0.593 | 0.323 | 0.315 | 1.118 | 0.106 |
| Quintile 2 | 1.051 | 0.280 | 0.607 | 1.820 | 0.859 |
| Quintile 3 | 1.130 | 0.260 | 0.679 | 1.879 | 0.638 |

| Term | Odds ratio | SE | Lower CI | Upper CI | P-value |
|------------------------------|------------|---------|----------|----------|---------|
| Quintile 4 | 1.020 | 0.259 | 0.615 | 1.694 | 0.938 |
| State (Ref: NSW) | | | | | |
| Victoria | 0.957 | 0.228 | 0.612 | 1.495 | 0.845 |
| Queensland | 1.023 | 0.242 | 0.636 | 1.645 | 0.925 |
| South Australia | 0.970 | 0.348 | 0.490 | 1.917 | 0.930 |
| Western Australia | 1.437 | 0.279 | 0.833 | 2.481 | 0.193 |
| Tasmania | 1.326 | 0.511 | 0.487 | 3.609 | 0.580 |
| Northern Territory | 0.000 | 453.156 | 0.000 | #NUM! | 0.975 |
| Australian Capital Territory | 2.115 | 0.532 | 0.746 | 6.000 | 0.159 |

Outcome variable: (1) A lot / A little; (2) Not at all

Figure A2

Bar Graph of Percentage Proportion of Variance Each Predictor Contributes To Regression Model Predicting How Much Respondent Perceives Their Drinking Negatively Effects Other People

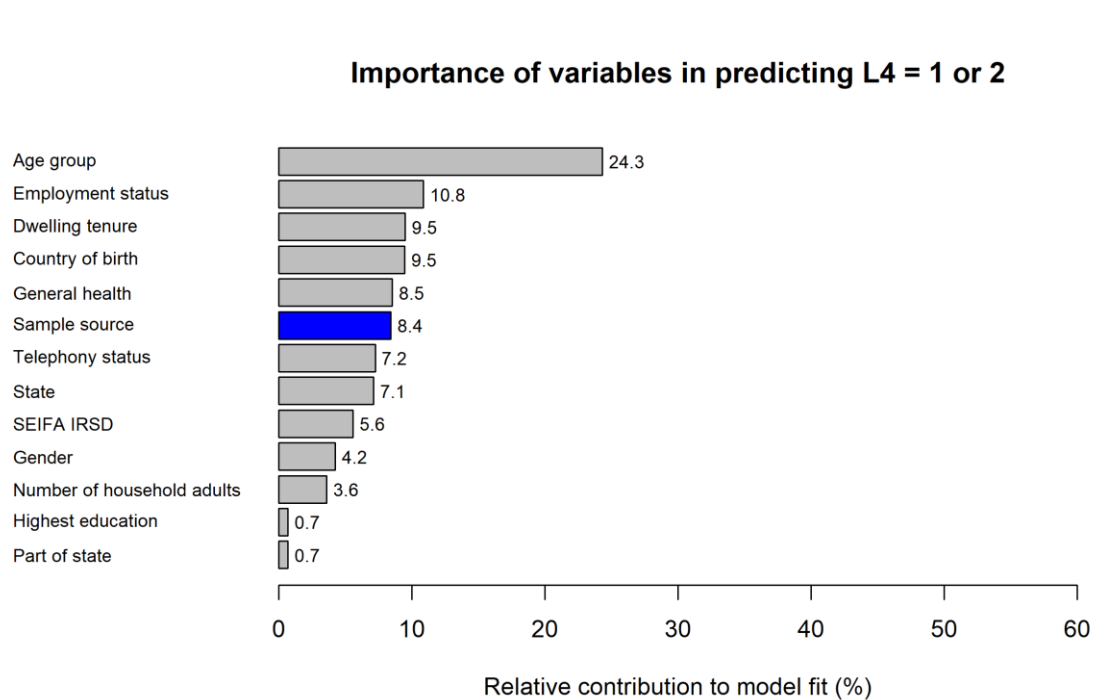


Table A5***Multiple Logistic Model Predicting How Much Respondent Perceives Their Drinking Negatively Affected Their Children, Or Children In The Household***

| Term | Odds ratio | SE | Lower CI | Upper CI | P-value |
|--|-------------------|-----------|-----------------|-----------------|----------------|
| (Intercept) | 0.115 | 0.361 | 0.057 | 0.233 | 0.000 |
| Sample source (Ref: Life in Australia) | | | | | |
| RDD mobile | 1.245 | 0.110 | 1.004 | 1.543 | 0.046 |
| Number of household adults (Ref: One) | | | | | |
| 2 | 2.540 | 0.147 | 1.903 | 3.392 | 0.000 |
| 3 or more | 1.819 | 0.177 | 1.286 | 2.571 | 0.001 |
| Age group (Ref: 18-24 years) | | | | | |
| 25-34 years | 1.428 | 0.252 | 0.871 | 2.341 | 0.158 |
| 35-44 years | 4.844 | 0.247 | 2.986 | 7.860 | 0.000 |
| 45-54 years | 3.689 | 0.239 | 2.308 | 5.896 | 0.000 |
| 55-64 years | 0.675 | 0.264 | 0.402 | 1.132 | 0.136 |
| 65-74 years | 0.540 | 0.293 | 0.304 | 0.959 | 0.035 |
| 75+ years | 0.263 | 0.398 | 0.121 | 0.575 | 0.001 |
| Country of birth (Ref: Australia) | | | | | |
| Mainly NESB background | 0.514 | 0.152 | 0.381 | 0.693 | 0.000 |
| Mainly ESB background | 0.812 | 0.163 | 0.590 | 1.119 | 0.204 |
| Highest education (Ref: Bachelor or higher) | | | | | |
| Below Bachelor | 1.253 | 0.113 | 1.005 | 1.562 | 0.045 |
| Employment status (Ref: Employed) | | | | | |
| Other | 0.848 | 0.140 | 0.645 | 1.116 | 0.239 |
| Gender (Ref: Male) | | | | | |
| Female | 0.829 | 0.105 | 0.675 | 1.019 | 0.074 |
| General health (Ref: Excellent) | | | | | |
| Very good | 1.018 | 0.160 | 0.744 | 1.393 | 0.909 |
| Good | 0.940 | 0.162 | 0.684 | 1.292 | 0.703 |
| Fair | 0.761 | 0.200 | 0.514 | 1.126 | 0.171 |
| Poor | 1.049 | 0.333 | 0.546 | 2.014 | 0.886 |
| Dwelling tenure (Ref: Own outright) | | | | | |
| Own with a mortgage | 1.533 | 0.153 | 1.136 | 2.069 | 0.005 |
| Other | 0.789 | 0.166 | 0.569 | 1.093 | 0.153 |
| Telephony status (Ref: Mobile only) | | | | | |
| Other | 1.070 | 0.119 | 0.848 | 1.352 | 0.568 |
| Part of state (Ref: Capital city) | | | | | |
| Rest of state | 1.103 | 0.127 | 0.860 | 1.415 | 0.438 |
| SEIFA IRSD (Ref: Quintile 5 - Least disadvantage) | | | | | |
| Quintile 1 - Most disadvantage | 0.788 | 0.183 | 0.550 | 1.129 | 0.195 |
| Quintile 2 | 0.750 | 0.179 | 0.528 | 1.066 | 0.109 |
| Quintile 3 | 0.737 | 0.166 | 0.532 | 1.021 | 0.066 |

| Term | Odds ratio | SE | Lower CI | Upper CI | P-value |
|------------------------------|------------|-------|----------|----------|---------|
| Quintile 4 | 1.213 | 0.154 | 0.896 | 1.641 | 0.212 |
| State (Ref: NSW) | | | | | |
| Victoria | 1.070 | 0.138 | 0.817 | 1.401 | 0.625 |
| Queensland | 1.106 | 0.153 | 0.819 | 1.492 | 0.511 |
| South Australia | 0.883 | 0.218 | 0.576 | 1.352 | 0.566 |
| Western Australia | 1.075 | 0.190 | 0.741 | 1.559 | 0.704 |
| Tasmania | 0.820 | 0.349 | 0.414 | 1.624 | 0.570 |
| Northern Territory | 0.903 | 0.518 | 0.327 | 2.493 | 0.844 |
| Australian Capital Territory | 0.880 | 0.411 | 0.393 | 1.970 | 0.756 |

Outcome variable: (1) A lot / A little; (2) Not at all

Figure A3

Bar Graph of Percentage Proportion of Variance Each Predictor Contributes to Regression Model Predicting How Much Respondent Perceives Their Drinking Negatively Effects Their Children or Children in the Household

