

Multimedia Appendix 4: Model accuracy for multiple logistic regression model and the lasso based on 10-fold repeated cross-validation.

| Type of cross-validation | Awareness of PRWs (n=266) | Use of PRWs (n=192) | Rated a physician on a PRW (N=80) |
|---|----------------------------------|----------------------------|--|
| Base rate (proportion of cases) | 0.73 | 0.42 | .23 |
| <i>MLR Model^a, own data</i> | | | |
| Kappa ^b | 0.12 | 0.19 | 0.13 |
| ROC area ^c | 0.69 | 0.70 | 0.81 |
| <i>MLR Model, cross-validated</i> | | | |
| Kappa | 0.04 | 0.08 | -0.08 |
| ROC area | 0.59 | 0.60 | 0.57 |
| <i>Lasso Model^d, cross-validated</i> | | | |
| Kappa | 0.05 | 0.10 | -0.07 |
| ROC area | 0.59 | 0.60 | 0.57 |

^a Multiple logistic regression

^b Cohen's kappa

^c Receiver operating characteristics curves (ROC)

^d Least absolute shrinkage and selection operator (lasso)