**Supplementary table S1. Summary of the final model**

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| --- | --- | --- | --- |
| **Coefficients** | **Estimate** | **Standard Error** | **p-value** |
| (Intercept) | -12.174 | 3.63 | 0.0008 |
| Age | 0.110 | 0.03 | 0.0002 |
| BMI | 0.232 | 0.06 | 8.0 x 10-5 |
| D7-lathosterol | -0.013 | 0.006 | 0.02 |
| Platelets | -0.018 | 0.004 | 7.0 x 10-5 |
| Prothrombin-INR | 3.687 | 2.382 | 0.122 |

Log-odds (predicting cirrhosis) = -12.17 + (age x 0.11) + (BMI (kg/m2) x 0.23)

+ (D7-lathosterol (µg/ 100 mg cholesterol) x (-0.013)) + (Platelet count (x109/L) x (-0.018))

+ (Prothrombin-INR x 3.69)

Predicted probability = exp (log-odds)/ (1+exp (log-odds))