

Supplementary table 4. Models' performances.

STOPPING NHV VS REFERENCE					
FIXED EFFECTS	M0 : empty	M1 : level 1	M2 : level 2	M3 : level 1+2	M4 : final
Intercept	0.59	-1.45	-0.08	-0.92	-1.06
p-value	< 0.001	< 0.001	0.73	< 0.001	< 0.001
RANDOM EFFECTS	M0 : empty	M1 : level 1	M2 : level 2	M3 : level 1+2	M4 : final
General contextual effect					
ICC (%)	6.1	5.8	4.3	4.0	3.9
Variance	0.2121	0.2021	0.1487	0.1374	0.1352
PCV (%)	Reference	4.7	29.9	35.2	36.2
MOR	1.55	1.54	1.44	1.42	1.42
AUC (%)	68.8	71.6	67.4	71.4	71.1
Model goodness-of-fit					
AIC	1740.3	1680.8	1728.8	1669.4	1662.7
BIC	1750.7	1743.1	1765.2	1757.7	1725.0
Log-likelihood	-868.2	-828.4	-857.4	-817.7	-817.3
NUMERIC VS REFERENCE					
FIXED EFFECTS	M0 : empty	M1 : level 1	M2 : level 2	M3 : level 1+2	M4 : final
Intercept	1.05	-1.46	-1.14	-1.64	-1.61
p-value	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
RANDOM EFFECTS	M0 : empty	M1 : level 1	M2 : level 2	M3 : level 1+2	M4 : final
General contextual effect					
ICC (%)	5.6	6.0	2.7	3.0	2.8
Variance	0.1961	0.211	0.009025	0.1033	0.09406
PCV (%)	Reference	-7.6	54.0	47.3	52.0
MOR	1.53	1.55	1.33	1.36	1.34
AUC (%)	69.5	69.6	65.6	68.7	67.9
Model goodness-of-fit					
AIC	1346.0	1324.6	1335.1	1313.2	1308.6
BIC	1356.1	1385.2	1370.5	1399.0	1369.2
Log-likelihood	-671.0	-650.3	-660.6	-639.6	-642.3
MIXED VS REFERENCE					
FIXED EFFECTS	M0 : empty	M1 : level 1	M2 : level 2	M3 : level 1+2	M4 : final
Intercept	-0.74	-0.85	-0.98	-1.12	-0.96
p-value	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
RANDOM EFFECTS	M0 : empty	M1 : level 1	M2 : level 2	M3 : level 1+2	M4 : final
General contextual effect					
ICC (%)	4.6	5.3	0.3	0.8	0.3
Variance	0.1602	0.1836	0.008983	0.02736	0.01059
PCV (%)	Reference	-14.6	94.4	82.9	94.4
MOR	1.46	1.50	1.09	1.17	1.10
AUC (%)	67.9	67.9	62.1	63.8	62.9
Model goodness-of-fit					
AIC	1585.2	1586.4	1564.9	15665.3	1560.6
BIC	1595.5	1647.9	1600.9	1653.5	1622.1
Log-likelihood	-790.6	-781.2	-775.5	-766.2	-768.3

ICC : Intra-class correlation coefficients, PCV: Proportional Change in Variance, MOR : Median Odds Ratio, AUC: Area Under the Curve, AIC: Akaike's Information Criterion, BIC: Bayesian Information Criterion