Table 2 Binary logistic regression analyses of associations between person and contextual determinants and mood swings among Thai adolescent in central region of Thailand (n = 2593)

Variable	Model 1			Model 2			Model 3			Model 4			Model 5		
	SE	P-value	OR	SE	P-value	OR	SE	P-value	OR	SE	P-value	OR	SE	P-value	OR
Constant	.082	.000	.307	.121	.000	.104	.140	.000	.067	.167	.000	.047	.171	.000	.053
Personal level															
Sex															
Male [Ref]															
Female	.097	.971	.996	.104	.435	1.085	.106	.122	1.179	.110	.017	1.299	.111	.011	1.325
Creative gender	.192	.957	1.011	.204	.873	.968	.207	.923	1.020	.209	.740	1.072	.210	.627	1.107
Family history of mental problems and illness															
No [ref]															
Yes	.147	.000	2.042	.157	.000	2.062	.159	.000	1.985	.160	.000	1.969	.161	.000	1.959
Uncertain	.120	.000	1.716	.127	.000	1.588	.130	.002	1.495	.130	.002	1.500	.131	.003	1.481
Bullying Involvement (base=below median)	-2LL = 2955.34 χ^2 =36.88, df= 4, p <.001 Classification accuracy =73.6 AIC = 2959.34			.101	.000	2.381	.103	.000	2.273	.103	.000	2.267	.103	.000	2.281
Social media use															
Normal [Ref]															
Trend to impact				.101	.000	2.394	.103	.000	2.240	.104	.000	2.272	.104	.000	2.251
Get impact/problems				.201	.000	5.080	.205	.000	4.158	.206	.000	4.174	.206	.000	4.081
Substance use in past 3 months (base=No)															
Tobacco				.310	.980	1.008	.310	.803	.926	.314	.624	.857	.315	.511	.813
Alcohol				.136	.772	.961	.138	.513	.914	.140	.455	.901	.140	.504	.911
Energy drinking				.135	.210	1.185	.138	.209	1.189	.138	.206	1.191	.138	.224	1.183
Illicit substance				.236	.017	1.751	.239	.052	1.593	.240	.045	1.618	.242	.054	1.592

Table 2 Binary logistic regression analyses of associations between person and contextual determinants and mood swings among Thai adolescent in central region of Thailand (cont.) (n = 2593)

Variable	Model 1			Model 2			Model 3			Model 4			Model 5		
	SE	P-value	OR	SE	P-value	OR	SE	P-value	OR	SE	P-value	OR	SE	P-value	OR
Contextual level															
Family structure				-2LL = 2689.78											
Parents are together Ref				χ² =302.44, df= 11,											
Single parent				p <.001			.103	.122	1.172	.103	.126	1.171	.104	.146	1.162
Father/mother remarried				Classification accuracy			.260	.895	1.035	.260	.981	1.006	.261	.945	1.018
Foster				=75.3			.501	.466	.694	.507	.333	.612	.509	.305	.594
				AIC = 2705.78											
Family circumstance: Expressed emotion in family (Ref=below median)							.100	.000	2.228	.101	.000	2.175	.101	.000	2.178
Education Program High school Ref							-2LL = 2620.01								
Vocational school							χ² =372.21, df= 15,			.102	.053	1.219	.194	.231	.793
Location of school Sub-urban Ref							p <.001								
							Classification accuracy								
Urban							=75.5			.118	.058	1.250	.153	.856	1.028
Bangkok							AIC = 2640.01			.138	.001	1.566	.195	.396	1.180
Location of school Education Program* Sub-urban*High school Ref										-2LL = 2601.24					
										χ² =390.98, df= 18,					
										p <.001					
Urban* Vocational school										Classification accuracy			.247	.023	1.756
Bangkok* Vocational sc.										=77			.282	.013	2.009
										AIC = 2625.24			-2LL = 2593.7		
													χ² =398.53, df= 20,		
													p <.001		
													Classification accuracy		
													=76.7		
													AIC = 2619.7		