

Prediction of pediatric malnutrition risk

Supplementary Table 1. Univariate and multivariate logistic regression analysis of variables predicting PEM in training set

Variables	Univariate analysis			Multivariate analysis		
	β	<i>P</i>	OR (95% CI)	β	<i>P</i>	OR (95% CI)
Age						
8 years			Reference			
9 years	0.082	0.628	1.086 (0.778-1.516)			
10 years	0.111	0.501	1.117 (0.809-1.544)			
Sex						
Male			Reference			
Female	-0.046	0.732	0.955 (0.732-1.245)			
Gestational Age						
≥ 37 weeks			Reference			Reference
<37 weeks	1.751	<0.001	5.762 (3.733-8.894)	1.763	<0.001	5.830 (3.604-9.431)
Birth Weight						
≥ 2.5 kg			Reference			
<2.5 kg	0.167	0.293	1.182 (0.866-1.615)			
Residence						
Rural			Reference			
Urban	-0.081	0.548	0.922 (0.707-1.202)			
Left Behind Children						
No			Reference			
Yes	0.081	0.584	1.084 (0.811-1.449)			
Household income						
<100 thousand yuan			Reference			Reference
≥ 100 thousand yuan	-1.023	<0.001	0.359 (0.273-0.472)	-0.959	<0.001	0.383 (0.281-0.523)
Number of children						
>1			Reference			
1	-0.088	0.518	0.916 (0.703-1.194)			
Sleep Duration						
≥ 9 hours			Reference			Reference
<9 hours	0.538	<0.001	1.712 (1.310-2.237)	0.588	0.005	1.800 (1.319-2.457)
Parents education level						
low level			Reference			
high level	-0.182	0.181	0.834 (0.639-1.088)			
Bad eating habits						
No			Reference			
Yes	0.302	0.030	1.352 (1.030-1.775)			
Calcium Deficiency						
No			Reference			
Yes	0.172	0.049	1.187 (0.829-0.947)			
Iron Deficiency						
No			Reference			
Yes	0.182	0.335	1.200 (0.828-1.738)			
Zinc Deficiency						
No			Reference			
Yes	0.063	0.820	1.065 (0.617-1.839)			
Mood disorders						
No			Reference			Reference
Yes	1.847	<0.001	6.339 (4.236-9.484)	1.935	<0.001	6.924 (4.437-10.805)
Milk Intake						
<300 ml/d			Reference			
≥ 300 ml/d	-0.352	0.015	0.704 (0.530-0.935)			

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Physical activity time

≥2 hours/d			Reference			Reference
<2 hours/d	1.153	<0.001	3.167 (2.398-4.184)	1.166	<0.001	3.210 (2.342-4.400)

Notes: Parents education levels: high level, have completed nine years of compulsory education; low level, have not completed nine years of compulsory education.