

Supplementary Table 1 Multivariate logistic regression analysis of Drinking rate among permanent residents of Hainan Province

Variables	OR	95%CI	P value
Age			
≥15~25	Reference		
>25~35	0.372	0.214-0.648	0.000
>35~45	0.355	0.243-0.520	0.000
>45~55	0.355	0.248-0.508	0.000
>55~65	0.379	0.268-0.537	0.000
>65	0.499	0.350-0.712	0.000
Sex			
Male	Reference		
Female	0.159	0.130-0.194	0.000
Ethnicity			
Han	Reference		
Li	6.459	3.299-12.643	0.000
Other ethnic minorities (Mongolian, Miao, Hui, etc.)	1.121	0.567-2.215	0.742
Literacy			
Primary School	Reference		
Junior high school	1.746	1.215-2.511	0.003

High school/secondary school	1.858	1.327- 2.602	0.000
College/University and above	1.492	1.063- 2.094	0.021
Marital status			
Unmarried individuals	Reference		
Married individuals	2.617	1.295- 5.287	0.007
Divorced/Widowed individuals	1.484	0.753- 2.926	0.254

Supplementary Table 2 Multivariate logistic regression analysis of Hazardous drinking rate among permanent residents of Hainan Province

Variables	OR	95%CI	P value
Age			
≥15~25	Reference		
>25~35	1.455	0.589-3.597	0.416
>35~45	0.539	0.332-0.874	0.012
>45~55	0.559	0.353-0.886	0.013
>55~65	0.487	0.314-0.756	0.001
>65	0.527	0.336-0.826	0.005
Sex			
Male	Reference		
Female	0.135	0.104-0.175	0.000
Ethnicity			
Han	Reference		
Li	4.720	2.267-9.828	0.000
Other ethnic minorities (Mongolian, Miao, Hui, etc.)	1.003	0.477-2.108	0.993
Marital status			
Unmarried individuals	Reference		

Married individuals	2.408	1.042- 5.566	0.040
Divorced/Widowed individuals	1.775	0.794- 3.968	0.162
Personal Monthly Income(RMB)			
≤3000	Reference		
3 000~5000	3.985	1.379- 11.517	0.011
5000-10000	3.191	1.092- 9.325	0.034
>10000	1.480	0.488- 4.483	0.488

Supplementary Table 3 Multivariate logistic regression analysis of Harmful drinking rate among permanent residents of Hainan Province

Variables	OR	95%CI	P value
Sex			
Male	Reference		
Female	0.063	0.037-0.108	0.000
Ethnicity			
Han	Reference		
Li	5.363	2.124-13.542	0.000
Other ethnic minorities (Mongolian, Miao, Hui, etc.)	2.639	1.008-6.904	0.048
Personal Monthly Income(RMB)			
≤3000	Reference		
3 000~5000	5.148	1.421-18.643	0.013
5000-10000	3.652	0.992-13.445	0.051
>10000	1.658	0.428-6.428	0.465

Supplementary Table 4 Multivariate logistic regression analysis of Alcoholic liver disease detection rate among permanent residents of Hainan Province

Variables	OR	95%CI	P value
Age			
≥15~25	Reference		
>35~45	0.582	0.277-1.226	0.155
>45~55	0.374	0.189-0.741	0.005
>55~65	0.563	0.285-1.116	0.100
>65	0.782	0.381-1.604	0.503
Sex			
Male	Reference		
Female	0.052	0.029-0.093	0.000
Literacy			
Primary School	Reference		
Junior high school	0.298	0.147-0.607	0.001
High school/secondary school	0.513	0.263-1.002	0.051
College/University and above	0.692	0.352-1.363	0.288
Personal Monthly Income(RMB)			
≤3000	Reference		
3 000~5000	6.963	2.022-23.985	0.002
5000-10000	3.080	0.889-10.676	0.076
>10000	1.241	0.342-4.497	0.743

Supplementary Table 5 Multivariate logistic regression analysis of Alcoholic liver disease status between Han and other ethnic groups in Hainan Province

Variables	OR	95%CI	P value
Literacy			
Primary School	Reference		
Junior high school	0.034	0.003-0.430	0.009
High school/secondary school	0.376	0.047-3.033	0.359
College/University and above	0.023	0.001-0.484	0.015
Daily Alcohol Consumption (g)			
40-80	Reference		
≥80	0.022	0.002-0.219	0.001
Drinking Mode			
Continuous Small Drinker	Reference		
Intermittent heavy drinkers	0.19	0.001-0.240	0.002
Continuous and intermittent heavy drinkers	45.058	4.770-425.581	0.001