A

| | | | | **Hazard Ratio** |
Study or Subgroup	log[Hazard Ratio]	SE	Weight	IV, Random, 95% CI
3.1.1 BMI ≥ 30				
2006, N'Kontchou	1.03	0.172	26.2%	2.80 [2.00, 3.92]
2017, McMahon	0.058	0.383	14.0%	1.06 [0.50, 2.24]
2018, Brichler	0.982	0.481	10.5%	2.67 [1.04, 6.85]
Subtotal (95% CI)			50.7%	2.07 [1.11, 3.85]
Heterogeneity: Tau² = 0.19; Chi² = 5.41, df = 2 (P = 0.07); I² = 63%				
Test for overall effect: Z = 2.29 (P = 0.02)				
3.1.2 BMI ≥ 25				
2011, Chao	0.457	0.158	27.1%	1.58 [1.16, 2.15]
2011, Hung	0.27	0.233	22.1%	1.31 [0.83, 2.07]
Subtotal (95% CI)			49.3%	1.49 [1.15, 1.92]
Heterogeneity: Tau² = 0.00; Chi² = 0.44, df = 1 (P = 0.51); I² = 0%				
Test for overall effect: Z = 3.04 (P = 0.002)				
Total (95% CI)			100.0%	1.76 [1.22, 2.54]
Heterogeneity: Tau² = 0.11; Chi² = 11.70, df = 4 (P = 0.02); I² = 66%				
Test for overall effect: Z = 3.00 (P = 0.003)				
Test for subgroup differences: Chi² = 0.92, df = 1 (P = 0.34), I² = 0 %				

Higher risk in [Non-obese] | Higher risk in [Obese]
(0.1 0.2 0.5 1 2 5 10)

B

| | | | | **Hazard Ratio** |
Study or Subgroup	log[Hazard Ratio]	SE	Weight	IV, Random, 95% CI
4.1.1 HBV				
2011, Chao	0.457	0.158	27.1%	1.58 [1.16, 2.15]
2018, Brichler	0.982	0.481	10.5%	2.67 [1.04, 6.85]
Subtotal (95% CI)			37.6%	1.69 [1.20, 2.37]
Heterogeneity: Tau² = 0.01; Chi² = 1.08, df = 1 (P = 0.30); I² = 7%				
Test for overall effect: Z = 3.01 (P = 0.003)				
4.1.2 HCV				
2006, N'Kontchou	1.03	0.172	26.2%	2.80 [2.00, 3.92]
2011, Hung	0.27	0.233	22.1%	1.31 [0.83, 2.07]
2017, McMahon	0.058	0.383	14.0%	1.06 [0.50, 2.24]
Subtotal (95% CI)			62.4%	1.66 [0.88, 3.10]
Heterogeneity: Tau² = 0.24; Chi² = 9.87, df = 2 (P = 0.007); I² = 80%				
Test for overall effect: Z = 1.58 (P = 0.11)				
Total (95% CI)			100.0%	1.76 [1.22, 2.54]
Heterogeneity: Tau² = 0.11; Chi² = 11.70, df = 4 (P = 0.02); I² = 66%				
Test for overall effect: Z = 3.00 (P = 0.003)				
Test for subgroup differences: Chi² = 0.00, df = 1 (P = 0.96), I² = 0 %				

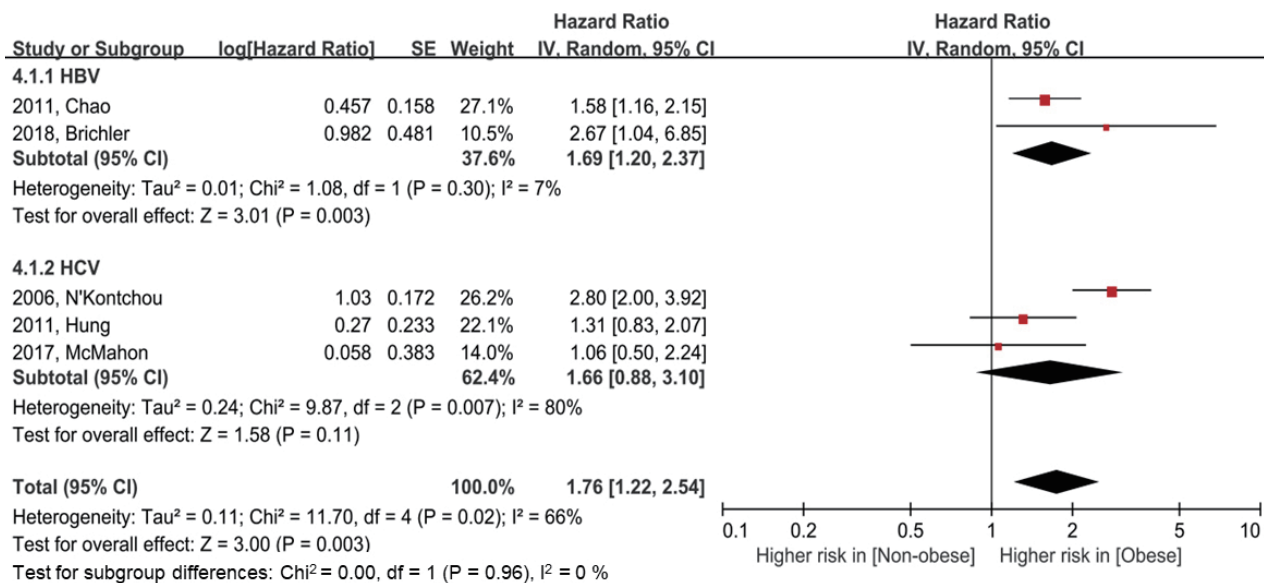Higher risk in [Non-obese] | Higher risk in [Obese]
(0.1 0.2 0.5 1 2 5 10)

Supplementary Figure 1. Forest plots of the studies analyzing the occurrence of primary liver cancer in high risk population (hepatitis B infection or hepatitis C infection) according to BMI (A) and etiology (B). SE, standard error; CI, confidence interval; BMI, body mass index.