

REAL-B SCORE¹

Patients who are on antiviral agents are at higher risk of liver cancer if REAL-B score is ≥ 5 .

Parameter	Sub parameter	REAL-B Score
Gender	Female	0
	Male	1
Age	18-29	0
	30-39	1
	40-49	2
	50-59	3
	60-69	4
	70-79	5
	≥ 80	6
Alcohol use	No drinking	0
	Alcohol drinking	1
Cirrhosis at baseline	No Cirrhosis	0
	Cirrhosis	2
Diabetes	No Diabetes	0
	Diabetes	1
Baseline platelet count	≥ 150	0
	< 150	1
Baseline AFP	< 10	0
	≥ 10	1

Table 5. Projected HCC Risk for REAL-B Scores

Score	HCC Risk		
	3-Year	5-Year	10-Year
0	0.14%	0.30%	0.71%
1	0.23%	0.50%	1.19%
2	0.38%	0.83%	1.98%
3	0.63%	1.38%	3.28%
4	1.05%	2.29%	5.41%
5	1.75%	3.80%	8.87%
6	2.91%	6.26%	14.37%
7	4.81%	10.24%	22.82%
8	7.89%	16.50%	35.11%
9	12.83%	26.00%	51.42%
10	20.49%	39.51%	70.05%
11	31.80%	56.80%	86.64%
12	47.22%	75.37%	96.53%
13	65.60%	90.37%	99.63%

Score	3-yr Estimated	3-yr Observed	5 –yr Estimated	5-yr Observed	10-yr Estimated	10-yr Observed
Low (0 – 3) N = 715	<1%	0.3%	<2%	0.7%	<4%	2.1%
Intermediate (4 – 7) N = 1092	1% to 5%	2.6%	2% to 10%	6.7%	5% to 23%	18.7%
High (8 – 13) N = 223	8% to 66%	17.1%	17% to 90%	25.3%	35% to <100%	60.9%

Source

1. [Real-World Effectiveness From the Asia Pacific Rim Liver Consortium for HBV Risk Score for the Prediction of Hepatocellular Carcinoma in Chronic Hepatitis B Patients Treated With Oral Antiviral Therapy](#) Yang et al *The Journal of Infectious Diseases*, Volume 221, Issue 3, 1 February 2020, Pages 389–399, <https://doi.org/10.1093/infdis/jiz477>