Appendix 6. K-M cumulative incidence of HCC in low/intermediate/high risk groups according to each risk prediction model cut-off values using different on treatment values

Supplementary Table 6-1. K-M cumulative incidence of HCC in low/intermediate/high risk groups according to each risk prediction model cut-off values using on treatment values at year 2.5

Model	Category	N of patients (n of HCC)	Risk	P
Untreated models with the cirrhosis variable				
GAG-HCC	Low	547 (23)	4.61 (2.74, 6.44)	0.0675
	High	113 (9)	8.90 (3.07,14.38)	
Treated or mixed models without the cirrhosis variable				
LSM-HCC	Low	433 (9)	2.32 (0.80, 3.80)	<0.0001
	High	227 (23)	11.20 (6.71, 15.47)	
SAGE-B	Low	341 (7)	2.29 (0.59, 3.96)	0.0022
	Intermediate	242 (18)	8.40 (4.57, 12.08)	
	High	77 (7)	9.09 (2.44, 15.29)	
mPAGE-B	Low	186 (1)	0.57 (0.00, 1.68)	0.0048
	Intermediate	344 (21)	6.63 (3.83, 9.35)	
	High	130 (10)	8.50 (3.27, 13.45)	
PAGE-B	Low	116 (0)	0.00 (0.00, 0.00)	0.0056
	Intermediate	364 (17)	5.11 (2.70, 7.46)	
	High	180 (15)	9.01 (4.52, 13.30)	
aMAP	Low	86 (0)	0.00 (0.00, 0.00)	0.0121
	Intermediate	273 (10)	4.15 (1.58, 6.66)	
	High	301 (22)	7.85 (4.63, 10.97)	
Treated or mixed models with the cirrhosis variable				
AASL-HCC	Low	186 (3)	1.78 (0.00, 3.75)	0.0069
	Intermediate	386 (20)	5.67 (3.21, 8.06)	
	High	88 (9)	11.21 (3.94, 17.93)	
CAMD	Low	257 (5)	2.11 (0.26, 3.92)	0.0035
	Intermediate	264 (14)	5.87 (2.82, 8.83)	
	High	139 (13)	10.25 (4.74, 15.43)	
REAL-B	Low	223 (3)	1.50 (0.00, 3.18)	<0.0001
	Intermediate	385 (20)	5.62 (3.18, 8.00)	
	High	52 (9)	20.17 (7.05, 31.45)	
CU-HCC	Low	332 (7)	2.30 (0.60, 3.98)	0.0022
	Intermediate	257 (18)	7.97 (4.32, 11.48)	
	High	71 (7)	10.14 (2.72, 17.00)	
RWS-HCC	Low	399 (9)	2.47 (0.86, 4.06)	0.0001
	High	261 (23)	9.80 (5.86, 13.58)	
CAGE-B	Low	257 (4)	1.75 (0.03, 3.45)	0.0085
	Intermediate	303 (21)	7.71 (4.45, 10.85)	
	High	100 (7)	7.14 (1.90, 12.10)	

Supplementary Table 6-2. K-M cumulative incidence of HCC in low/intermediate/high risk groups according to each risk prediction model cut-off values using on treatment values at year 3

Model	Category	N of patients (n of HCC)	Risk	P
Untreated models with the cirrhosis variable				
GAG-HCC	Low	528 (19)	3.78 (2.10, 5.44)	0.0335
	High	112 (9)	8.87 (3.12, 14.27)	
Treated or mixed models without the cirrhosis variable				
LSM-HCC	Low	448 (12)	2.85 (1.25, 4.44)	0.0011
	High	192 (16)	8.88 (4.61, 12.97)	
SAGE-B	Low	339 (8)	2.48 (0.77, 4.16)	0.0106
	Intermediate	240 (14)	6.38 (3.08, 9.57)	
	High	61 (6)	9.93 (2.06, 17.17)	
mPAGE-B	Low	168 (1)	0.62 (0.00, 1.83)	0.0103
	Intermediate	341 (17)	5.28 (2.80, 7.69)	
	High	131 (10)	8.07 (3.13, 12.76)	
PAGE-B	Low	106 (0)	0.00 (0.00, 0.00)	0.0225
	Intermediate	365 (16)	4.66 (2.40, 6.88)	
	High	169 (12)	7.46 (3.30,11.43)	
aMAP	Low	82 (0)	0.00 (0.00, 0.00)	0.0245
	Intermediate	268 (9)	3.61 (1.26, 5.91)	
	High	290 (19)	6.86 (3.83, 9.80)	
Treated or mixed models with the cirrhosis variable				
AASL-HCC	Low	158 (1)	0.66 (0.00, 1.93)	0.0090
	Intermediate	388 (19)	5.22 (2.90, 7.48)	
	High	94 (8)	9.02 (2.84, 14.81)	
CAMD-HCC	Low	242 (4)	1.72 (0.03, 3.38)	0.0140
	Intermediate	255 (13)	5.43 (2.51, 8.26)	
	High	143 (11)	8.21 (3.42, 12.77)	
REAL-B	Low	202 (3)	1.56 (0.00, 3.30)	0.0004
	Intermediate	387 (18)	4.92 (2.67, 7.12)	
	High	51 (7)	14.94 (4.03, 24.60)	
CU-HCC	Low	320 (7)	2.29 (0.60, 3.95)	0.0110
	Intermediate	254 (15)	6.34 (3.17, 9.41)	
	High	66 (6)	9.83 (2.01, 17.03)	
RWS-HCC	Low	394 (8)	2.11 (0.65, 3.54)	0.0002
	High	246 (20)	8.79 (5.02, 12.41)	
CAGE-B	Low	244 (5)	2.15 (0.27, 3.99)	0.0359
	Intermediate	294 (15)	5.49 (2.74, 8.16)	
	High	102 (8)	8.29 (2.60, 13.66)	

Supplementary Table 6-3. K-M cumulative incidence of HCC in low/intermediate/high risk groups according to each risk prediction model cut-off values using on treatment values at year 3.5

Model	Category	N of patients (n of HCC)	Risk	P
Untreated models with the cirrhosis variable				
GAG-HCC	Low	513 (20)	5.45 (2.62, 8.19)	0.2403
	High	109 (7)	10.25 (0.13, 19.35)	
Treated or mixed models without the cirrhosis variable				
LSM-HCC	Low	443 (15)	4.58 (1.81, 7.27)	0.0580
	High	179 (12)	10.86 (2.90, 18.18)	
SAGE-B	Low	330 (10)	4.61 (1.07, 8.01)	0.1323
	Intermediate	230 (15)	9.51 (3.54, 15.10)	
	High	62 (2)	3.25 (0.00, 7.59)	
mPAGE-B	Low	161 (1)	0.63 (0.00, 1.86)	0.0258
	Intermediate	339 (18)	7.28 (3.26, 11.13)	
	High	122 (8)	10.94 (0.99, 19.88)	
PAGE-B	Low	107 (0)	0.00 (0.00, 0.00)	0.0304
	Intermediate	358 (16)	5.63 (2.39, 8.76)	
	High	157 (11)	11.50 (3.17, 19.10)	
aMAP	Low	82 (0)	0.00 (0.00, 0.00)	0.1193
	Intermediate	262 (12)	4.89 (2.15, 7.55)	
	High	278 (15)	8.89 (3.46, 14.01)	
Treated or mixed models with the cirrhosis variable				
AASL-HCC	Low	154 (0)	0.00 (0.00, 0.00)	0.0100
	Intermediate	380 (21)	7.62 (3.78, 11.30)	
	High	88 (6)	10.85 (0.00, 20.82)	
CAMD	Low	234 (2)	0.88 (0.00, 2.08)	0.0044
	Intermediate	258 (16)	8.95 (3.77, 13.85)	
	High	130 (9)	10.30 (1.57, 18.25)	
REAL-B	Low	202 (2)	1.02 (0.00, 2.42)	0.0080
	Intermediate	380 (21)	8.43 (4.04, 12.62)	
	High	40 (4)	10.21 (0.20, 19.21)	
CU-HCC	Low	314 (3)	0.98 (0.00, 2.09)	0.0002
	Intermediate	244 (20)	13.05 (5.97, 19.59)	
	High	64 (4)	6.45 (0.12, 12.39)	
RWS-HCC	Low	383 (6)	1.68 (0.33, 3.00)	<0.0001
	High	239 (21)	13.57 (6.38, 20.20)	
CAGE-B	Low	238 (5)	3.69 (0.00, 7.76)	0.0727
	Intermediate	287 (18)	9.10 (4.01,13.92)	
	High	97 (4)	4.28 (0.08, 8.29)	

Supplementary Table 6-4. K-M cumulative incidence of HCC in low/intermediate/high risk groups according to each risk prediction model cut-off values using on treatment values at year 4

Model	Category	N of patients (n of HCC)	Risk	P
Untreated models with the cirrhosis variable				
GAG-HCC	Low	480 (13)	2.89 (1.33, 4.43)	0.2090
	High	123 (6)	5.33 (1.08, 9.41)	
Treated or mixed models without the cirrhosis variable				
LSM-HCC	Low	423 (10)	2.51 (0.96, 4.04)	0.0794
	High	180 (9)	5.46 (1.91, 8.87)	
SAGE-B	Low	302 (5)	1.76 (0.22, 3.28)	0.0787
	Intermediate	238 (12)	5.44 (2.39, 8.39)	
	High	63 (2)	3.41 (0.00, 7.96)	
mPAGE-B	Low	145 (0)	0.00 (0.00, 0.00)	0.0481
	Intermediate	318 (13)	4.40 (2.03, 6.71)	
	High	140 (6)	4.51 (0.91, 7.97)	
PAGE-B	Low	97 (1)	1.19 (0.00, 3.48)	0.1180
	Intermediate	340 (9)	2.77 (0.97, 4.55)	
	High	166 (9)	5.81 (2.04, 9.43)	
aMAP	Low	70 (0)	0.00 (0.00, 0.00)	0.0603
	Intermediate	272 (6)	2.34 (0.47, 4.18)	
	High	261 (13)	5.29 (2.44, 8.05)	
Treated or mixed models with the cirrhosis variable				
AASL-HCC	Low	144 (0)	0.00 (0.00, 0.00)	0.0470
	Intermediate	353 (14)	4.24 (2.04, 6.39)	
	High	106 (5)	5.00 (0.62, 9.19)	
CAMD	Low	231 (1)	0.44 (0.00, 1.29)	0.0112
	Intermediate	220 (11)	5.37 (2.22, 8.41)	
	High	152 (7)	4.95 (1.30, 8.47)	
REAL-B	Low	197 (1)	0.52 (0.00, 1.52)	0.0156
	Intermediate	352 (14)	4.28 (2.06, 6.45)	
	High	54 (4)	7.71 (0.15, 14.70)	
CU-HCC	Low	315 (3)	0.98 (0.00, 2.07)	0.0058
	Intermediate	221 (12)	5.84 (2.57, 9.00)	
	High	67 (4)	6.40 (0.12, 12.28)	
RWS-HCC	Low	379 (3)	0.84 (0.00, 1.78)	<0.0001
	High	224 (16)	7.75 (4.02, 11.33)	
CAGE-B	Low	220 (2)	1.00 (0.00, 2.37)	0.0311
	Intermediate	277 (14)	5.40 (2.60, 8.12)	
	High	106 (3)	3.07 (0.00, 6.45)	

Supplementary Table 6-5. K-M cumulative incidence of HCC in low/intermediate/high risk groups according to each risk prediction model cut-off values using on treatment values at year 4.5

Model	Category	N of patients (n of HCC)	Risk	P
Untreated models with the cirrhosis variable				
GAG-HCC	Low	489 (16)	3.63 (1.85, 5.38)	0.9399
	High	100 (3)	3.38 (0.00, 7.08)	
Treated or mixed models without the cirrhosis variable				
LSM-HCC	Low	425 (11)	2.89 (1.18, 4.58)	0.1338
	High	164 (8)	5.44 (1.66, 9.07)	
SAGE-B	Low	296 (8)	3.10 (0.93, 5.23)	0.4036
	Intermediate	228 (10)	4.80 (1.84, 7.68)	
	High	65 (1)	1.59 (0.00, 4.63)	
mPAGE-B	Low	155 (1)	0.92 (0.00, 2.69)	0.0706
	Intermediate	301 (14)	5.14 (2.45, 7.75)	
	High	133 (4)	3.18 (0.06, 6.20)	
PAGE-B	Low	96 (1)	1.47 (0.00, 4.29)	0.3247
	Intermediate	338 (11)	3.59 (1.46, 5.67)	
	High	155 (7)	4.84 (1.27, 8.28)	
aMAP	Low	76 (0)	0.00 (0.00, 0.00)	0.1990
	Intermediate	246 (8)	3.66 (1.11, 6.15)	
	High	267 (11)	4.55 (1.87, 7.16)	
Treated or mixed models with the cirrhosis variable				
AASL-HCC	Low	136 (0)	0.00 (0.00, 0.00)	0.0529
	Intermediate	365 (15)	4.62 (2.28, 6.90)	
	High	88 (4)	4.84 (0.09, 9.37)	
CAMD	Low	224 (3)	1.55 (0.00, 3.29)	0.1196
	Intermediate	233 (11)	5.21 (2.14, 8.19)	
	High	132 (5)	4.09 (0.51, 7.55)	
REAL-B	Low	190 (1)	0.59 (0.00, 1.73)	0.0380
	Intermediate	357 (16)	5.01 (2.56, 7.40)	
	High	42 (2)	5.14 (0.00, 11.82)	
CU-HCC	Low	308 (5)	1.81 (0.21, 3.38)	0.0613
	Intermediate	213 (11)	5.81 (2.38, 9.11)	
	High	68 (3)	4.80 (0.00, 9.97)	
RWS-HCC	Low	377 (5)	1.57 (0.18, 2.93)	0.0004
	High	212 (14)	7.25 (3.48, 10.87)	
CAGE-B	Low	215 (4)	2.31 (0.02, 4.56)	0.1217
	Intermediate	268 (13)	5.26 (2.42, 8.02)	
	High	106 (2)	1.99 (0.00, 4.69)	

Supplementary Table 6-6. K-M cumulative incidence of HCC in low/intermediate/high risk groups according to each risk prediction model cut-off values using on treatment values at year 5

Model	Category	N of patients (n of HCC)	Risk	P
Untreated models with the cirrhosis variable				
GAG-HCC	Low	467 (10)	2.72 (1.00, 4.40)	0.4678
	High	95 (3)	3.44 (0.00, 7.20)	
Treated or mixed models without the cirrhosis variable				
LSM-HCC	Low	394 (8)	2.51 (0.73,4.25)	0.4125
	High	168 (5)	3.74 (0.41,6.96)	
SAGE-B	Low	272 (4)	1.85 (0.01,3.65)	0.1120
	Intermediate	237 (9)	4.59 (1.55,7.53)	
	High	53 (0)	0.00 (0.00, 0.00)	
mPAGE-B	Low	137 (2)	2.02 (0.00, 4.77)	0.6938
	Intermediate	294 (8)	3.29 (0.96, 5.56)	
	High	131 (3)	2.64 (0.00, 5.57)	
PAGE-B	Low	82 (1)	1.67 (0.00, 4.85)	0.6132
	Intermediate	316 (7)	2.87 (0.70, 5.00)	
	High	164 (5)	3.22 (0.40, 5.96)	
aMAP	Low	67 (1)	2.08 (0.00, 6.04)	0.7559
	Intermediate	237 (5)	2.46 (0.29, 4.59)	
	High	258 (7)	3.37 (0.79, 5.88)	
Treated or mixed models with the cirrhosis variable				
AASL-HCC	Low	130 (2)	2.16 (0.00, 5.10)	0.5858
	Intermediate	348 (8)	2.85 (0.84, 4.83)	
	High	84 (3)	3.74 (0.00, 7.80)	
CAMD	Low	229 (2)	1.19 (0.00, 2.84)	0.1377
	Intermediate	215 (7)	4.17 (1.01, 7.22)	
	High	118 (4)	3.62 (0.07, 7.05)	
REAL-B	Low	183 (2)	1.56 (0.00, 3.70)	0.1913
	Intermediate	342 (9)	3.23 (1.08, 5.33)	
	High	37 (2)	5.56 (0.00, 12.75)	
CU-HCC	Low	324 (3)	1.41 (0.00, 2.99)	0.0211
	Intermediate	177 (7)	4.66 (1.19, 8.02)	
	High	61 (3)	5.30 (0.00, 10.96)	
RWS-HCC	Low	385 (5)	1.80 (0.20, 3.39)	0.0115
	High	177 (8)	5.15 (1.56, 8.61)	
CAGE-B	Low	195 (3)	1.93 (0.00, 4.08)	0.3057
	Intermediate	269 (9)	4.07 (1.37, 6.71)	
	High	98 (1)	1.10 (0.00, 3.22)	