	CC+C	;T	Π			Odds Ratio			(Odds Ratio		
Study or Subgroup	Events	Total	Events	Total	Welght	M-H, Random, 95% Cl	Year		M-H, J	Random, 9	5% CI	
Xie 2013	1179	1721	796	1249	40.1%	1.24 [1.06, 1.44]	2013					
Chanthra 2015	316	445	128	205	24.0%	1.47 [1.04, 2.09]	2015			-		
Fatemipour 2016	53	71	30	62	8.9%	3.14 [1.51, 6.52]	2016			-	_	
Li 2018	236	373	190	320	27.0%	1.18 [0.87, 1.60]	2018			•		
Total (95% CI)		2610		1836	100.0%	1.38 [1.09, 1.76]				♦		
Total events	1784		1144									
Heterogeneity: Tau ² = 1 Test for overall effect: A		0.01	0.1	1	10	100						

						A11 B 41			A11 B (1		
85, 7	CC		CT+1			Odds Ratio			Odds Ratio		
Study or Subgroup	<u>Events</u>	Total	<u>Events</u>	Total	<u>Weight</u>	<u>M-H, Fixed, 95% C</u>	<u>Year</u>	M-	<u>H, Fixed, 95% </u>	Cl	
1.1.1 CHB vs.HC+NC											
Xie 2013	270	412	1705	2558	41.9%	0.95 [0.76, 1.18]	2013		•		
Chanthra2015	82	112	362	538	8.6%	1.33 [0.84, 2.10]	2015		+		
Fatemipour 2016	27	41	56	92	3.0%	1.24 [0.57, 2.68]	2016		+		
Li 2018	51	70	375	623	5.3%	1.78 [1.02, 3.08]	2018				
Subtotal (95% CI)		635		3811	58.8%	1.10 [0.91, 1.31]			ı İ		
Total events	430		2498								
Heterogeneity: Chi ² = 5	.34, df = 3	3 (P = ().15); l² =	44%							
Test for overall effect: 2	: = 0.99 (P = 0.3	2)								
1.1.2 CHB with HCC v	s.CHB w	ithout	HCC (So	outheas	st Asian)						
Xie 2013	140	270	869	1705	29.4%	1.04 [0.80, 1.34]	2013		*		
Chanthra2015	49	82	162	362	6.2%	1.83 [1.13, 2.99]	2015		-		
Li 2018	23	51	164	375	5.5%	1.06 [0.59, 1.90]	2018		+		
Subtotal (95% CI)		403		2442	41.2%	1.16 [0.94, 1.43]			•		
Total events	212		1195								
Heterogeneity: Chi ² = 4	.22, df = :	2 (P = ().12); l² =	53%							
Test for overall effect: 2	<u>'</u> = 1.37 (P = 0.1	7)								
Total (95% CI)		1038		6253	100.0%	1.12 [0.98, 1.29]					
Total events	642		3693								16.
Heterogeneity: Chi ² = 9.74, df = 6 (P = 0.14); l ² = 38%											
Test for overall effect: 2	<u>'</u> = 1.64 (P = 0.1	0)					0.01 0.1	J	10	100

	CC+(T	Π			Odds Ratio		Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI Yea	<u>'</u>	M-H, Fixed, 95% Cl
1.1.1 CHB vs.HC+NC	(Southea	st Asia	n)					
Xie 2013	1179	1721	796	1249	26.7%	1.24 [1.06, 1.44] 2013	}	•
Chanthra2015	316	445	128	205	4.7%	1.47 [1.04, 2.09] 201	j	The state of the s
Li 2018	236	373	190	320	6.9%	1.18 [0.87, 1.60] 201	}	Ţ
Subtotal (95% CI)		2539		1774	38.3%	1.26 [1.11, 1.43]		
Total events	1731		1114					
Heterogeneity: Chi ² = '	1.00, df =	2 (P = 0	.61); l² =	0%				
Test for overall effect:	Z = 3.49 (P = 0.00	105)					
1.1.2 CHB with HCC v	e CHR w	ithout L	ıcc					
Xie 2013		1179	411	796	22.2%	0.96 [0.81, 1.15] 201	}	4
Liao 2014	156	316	55	128	3.6%	1.29 [0.86, 1.96] 201		4.
Chanthra2015	23		10	30	0.7%	1.53 [0.60, 3.90] 201		 • •
Fatemipour 2016	105	236	82	190	4.6%	1.06 [0.72, 1.55] 201		+
Subtotal (95% CI)	100	1784	UZ	1144	31.2%	1.03 [0.89, 1.19]	,	
Total events	882		558		*/.			
Heterogeneity: Chi ² = 2		3 (P = 0		0%				
Test for overall effect:		_ `						
	,		,					
1.1.3 CHB with HCC v	s.CHB w	ithout F	ICC(So	utheas	t Asian)			
Xie 2013	598	1179	411	796	22.2%	0.96 [0.81, 1.15] 2013	}	†
Chanthra2015	156	316	55	128	3.6%	1.29 [0.86, 1.96] 201	j	
Li 2018	105	236	82	190	4.6%	1.06 [0.72, 1.55] 201	}	
Subtotal (95% CI)		1731		1114	30.5%	1.02 [0.87, 1.18]		•
Total events	859		548					
Heterogeneity: Chi ² = '	1.68, df =	2 (P = 0	.43); ² =	0%				
Test for overall effect:	Z = 0.22 (P = 0.82	2)					
				2000				
Total (95% CI)		6054		4032	100.0%	1.11 [1.02, 1.21]		
Total events	3472		2220	2000			Ê	· 森
Heterogeneity: Chi ² = '		_ `		= 18%			0.01	0.1 1 10 10
Test for overall effect:	Z = 2.55 (P = 0.01)				• • • • • • • • • • • • • • • • • • • •	··· / / / /

	CC	CT+CC			Odds Ratio			Odds Ratio				
Study or Subgroup	<u>Events</u>	Total	<u>Events</u>	<u>Total</u>	<u>Weight</u>	M-H. Random, 95% Cl	<u>Year</u>		M-H, Ra	ndom, 95% (
1.1.1 CHB vs.HC+NC	(South	east As	sian)					1 R 157950		
Xie 2013	270	412	1705	2558	21.6%	0.95 [0.76, 1.18]	2013			†		
Chanthra2015	82	112	362	538	14.8%	1.33 [0.84, 2.10]	2015			+		
Li 2018	51	70	375	623	12.5%	1.78 [1.02, 3.08]	2018			•		
Subtotal (95% CI)		594		3719	48.9%	1.23 [0.85, 1.77]						
Total events	403		2442									
Heterogeneity: Tau ² = 0	.07; Chi²	= 5.22	df = 2 (P	= 0.07); l² = 62%							
Test for overall effect: Z	:= 1.08 (1	P = 0.2	8)									
1.1.2 CHB with HCC v	s.CHB w	ithout l	HCC									
Xie 2013	140	270	869	1705	20.5%	1.04 [0.80, 1.34]	2013			*		
Chanthra2015	49	82	162	362	14.0%	1.83 [1.13, 2.99]	2015			+		
Fatemipour 2016	5	27	28	56	5.0%	0.23 [0.08, 0.69]	2016		. 10	3		
Li 2018	23	51	164	375	11.7%	1.06 [0.59, 1.90]	2018		•	<u> </u>		
Subtotal (95% CI)		430		2498	51.1%	0.98 [0.58, 1.67]			•			
Total events	217		1223									
Heterogeneity: Tau ² = 0	.20; Chi²	= 12.3	0, df = 3 (P = 0.0	06); l² = 76	3%						
Test for overall effect: Z	: = 0.06 (I	P = 0,9	5)									
Total (95% CI)		1024		6217	100.0%	1.14 [0.86, 1.50]				•		
Total events	620		3665					Si .	10		74	10
Heterogeneity: Tau ² = 0	.08; Chi²	= 17.5	0, df = 6 (P = 0.0	08); ² = 60	3%		0.04	0.1	1	10	100
Test for overall effect: Z	:= 0.91 (1	P = 0.3	ô)					0.01	0.1	ł	10	100

	G		C			Odds Ratio			00	ds Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	Year		M-H, I	Fixed, 95% C	1	
1.1.1 CHB VS.HC												
Xie 2013	1862	2792	1982	3070	83.5%	1.10 [0.99, 1.22]	2013					
Chanthra 2015	424	625	360	539	16.5%	1.05 [0.82, 1.34]	2015			†		
Subtotal (95% CI)		3417		3609	100.0%	1.09 [0.99, 1.20]				•		
Total events	2286		2342									
Heterogeneity: Chi ² = 0	.12, df =	1 (P = 0).73); l² =	0%								
Test for overall effect: 2	<u>'</u> = 1.72 (I	P = 0.0	8)									
1.1.2 CHB with HCC v	s.CHB w	ithout I	HCC									
Xie 2013	1000	1862	1026	1982	82.7%	1.08 [0.95, 1.23]	2013					
Chanthra2015	209	424	175	360	17.3%	1.03 [0.78, 1.36]	2015			+		
Subtotal (95% CI)		2286		2342	100.0%	1.07 [0.95, 1.20]				•		l
Total events	1209		1201									I
Heterogeneity: Chi ² = 0	.10, df =	1 (P = 0).75); l² =	0%								
Test for overall effect: 2	<u>'</u> = 1.18 (l	P = 0.24	4)									
											1	
								0.01	0.1	1	10	100

	GG+G	3C	CC			Odds Ratio			,	Odds Ratio		
Study or Subgroup	Events	Total	Events	<u>Total</u>	Weight	M-H, Fixed, 95% CI	Year		M-H	Fixed 95%	CI	- 2
1.1.1 CHB VS.HC												
Xie 2013	1412	2127	510	804	85.3%	1.14 [0.96, 1.35]	2013					
Chanthra2015	308	456	84	126	14.7%	1.04 [0.68, 1.58]	2015					
Subtotal (95% CI)		2583		930	100.0%	1.12 [0.96, 1.32]				•		
Total events	1720		594									
Heterogeneity: Chi ² = 0).15, df =	1 (P = 0	J.70); l² =	0%								
Test for overall effect: Z	<u>'</u> = 1.46 (P = 0.1	4)									
1.1.2 CHB with HCC vs	s.CHB w	ithout i	нсс							Water		
Xie 2013	748	1412	265	510	85.6%	1.04 [0.85, 1.28]	2013					
Chanthra2015	153	308	39	84	14.4%	1.14 [0.70, 1.85]	2015					
Subtotal (95% CI)		1720		594	100.0%	1.06 [0.88, 1.27]				•		
Total events	901		304									
Heterogeneity: Chi ² = 0).11, df =	1 (P = 0	J.74); l² =	0%								
Test for overall effect: Z	<i>!</i> = 0.57 (P = 0.5	7)									
								1	- 16		1	9
i								0.01	0.1	i	10	100

	GG		GC+C)C		Odds Ratio			(Odds Ratio		
Study or Subgroup	Events	<u>Total</u>	Events	<u>Total</u>	Weight	M-H, Fixed, 95% CI	<u>Year</u>		M-H	Fixed, 95%	6 CI	
1.1.1 CHB VS.HC										L		
Xie 2013	450	665	1472	2266	81.1%	1.13 [0.94, 1.36]	2013					
Chanthra2015	116	169	276	413	18.9%	1.09 [0.74, 1.60]	2015			<u>+</u>		
Subtotal (95% CI)		834		2679	100.0%	1.12 [0.95, 1.32]				•		
Total events	566		1748									ŀ
Heterogeneity: Chi ² = 0).03, df = 1	1 (P = (J.86); I ² =	0%								
Test for overall effect: 2	<u>′</u> = 1.35 (F	o = 0.1	8)									
1.1.2 CHB with HCC v	s.CHB w	ithout	нсс									
Xie 2013	252	450	761	1472	79.0%	1.19 [0.96, 1.47]	2013					
Chanthra2015	56	116	136	276	21.0%	0.96 [0.62, 1.48]	2015			+		
Subtotal (95% CI)		566		1748	100.0%	1.14 [0.94, 1.38]				•		
Total events	308		897									
Heterogeneity: Chi ² = 0).75, df = 1	1 (P = 1	J.39); l² =	0%								I
Test for overall effect: Z	<i>!</i> = 1.36 (F	₽ = 0.1	7)									
								<u> </u>			- 4	
								0.01	0.1	1	10	100

	GG+0	ST .	TT			Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H. Fixed, 95% CI Year	M-H, Fixed, 95% Cl
1.1.1 CHB.vs.HC							
+NC Liao 2014	591	1139	71	151	8.1%	1.22 [0.86, 1.71] 2014	
Chanthra 2015	349	511	43	71	3.2%	1.40 [0.84, 2.34] 2015	
Chen 2015	468	3099	40	383	8.1%	1.53 [1.08, 2.15] 2015	
Kim 2015	858	3402	83	389	15.0%	1.24 [0.96, 1.60] 2015	.
Lu 2015	247	493	18	55	2.2%	2.06 [1.14, 3.72] 2015	'
Sharkawy 2018	798	1028	32	47	1.8%	1.63 [0.87, 3.06] 2018	, i .
Subtotal (95% CI)		9672		1096	38.5%	1.38 [1.18, 1.61]	♦
Total events	3311		287				
Heterogeneity: Chi ² = 3	3.56, df = 5	5(P=0)	.61); l² = 1	0%			
Test for overall effect:	Z = 4.04 (F	o.00 > 9	01)				
1.1.2 CHB.vs.HC+NC	(acian)						
		4420	74	454	0.40/	4 22 10 26 4 741 2044	<u> </u>
Liao 2014 Charthro 2015	591	1139	71	151	8.1%	1.22 [0.86, 1.71] 2014	A Company of the Comp
Chanthra2015	349	511	43	71	3.2%	1.40 [0.84, 2.34] 2015	7 12
Lu 2015	247	493	18 83	55 200	2.2% 15.0%	2.06 [1.14, 3.72] 2015 1.24 [0.96, 1.60] 2015	and the second s
Kim 2015	858	3402		389			A April
Chen 2015 Subtotal (95% CI)	468	3099 8644	40	383 1049	8.1% 36.6 %	1.53 [1.08, 2.15] 2015 1.36 [1.16, 1.60]	•
Total events	2513	0077	255	1073	30.0 /0	1.50 [1.10, 1.00]	Ť,
Heterogeneity: Chi ² = 3		1/P = 0		በ%			
Test for overall effect:			,.	U 70			
1.1.3 CHB with HCC v	s.CHB wi	thout H	ICC				
Chen 2013	466	1163	35	110	5.2%	1.43 [0.94, 2.18] 2013	<u> </u>
Clark 2013	217	402	20	48	2.2%	1.64 [0.90, 3.01] 2013	
Liao 2014	197	591	25	71	4.0%	0.92 [0.55, 1.54] 2014	(g. 30)
Kim 2015	263	858	20	83	3.4%	1.39 [0.82, 2.35] 2015	(*)
Lu 2015	75	247	3	18	0.5%	2.18 [0.61, 7.76] 2015	ALA MARIANA AND AND AND AND AND AND AND AND AND
Chanthra2015	173	349	124	265	9.6%	1.12 [0.81, 1.54] 2015	20 A
Subtotal (95% CI)	1,0	3610		595	24.9%	1.26 [1.04, 1.53]	∳
Total events	1391		227				
Heterogeneity: Chi ² = 3		5(P=0)		0%			
Test for overall effect:		•	/.				
Total (95% CI)		21926		2740	100.0%	1.34 [1.22, 1.48]	•
Total events	7215		769			,	Ů
Heterogeneity: Chi ² = ⁴		16/P=		= በ%			
Test for overall effect:			,	- 0 /0			0.01 0.1 1 10 100
restrui dyeran enect.	۱) ۵۵.۵ – ۲	\ U.UU	001)				

	GG		GT+1	т		Odds Ratio			Odds	Ratio	
Study or Subgroup		Total			Weiaht	M-H, Fixed, 95% CI	Year			ed. 95% CI	
1.1.1 CHB vs.NC+HC					382					S-5a	
Liao 2013	103	194	95	214	1.9%	1.42 [0.96, 2.09]	2013				
Liao 2013	194	403	189	457	4.0%	1.32 [1.00, 1.72]					
Liao 2014	294	572	368	718	7.0%	1.01 [0.81, 1.25]			8.0	Fi.	
Kim 2015	494	1787	447	2004	13.4%	1.33 [1.15, 1.54]				•	
Lu 2015	122	236	143	312	2.6%	1.26 [0.90, 1.77]			;	<u> </u>	
Chen 2015	257	1555	251	1927	8.2%	1.32 [1.10, 1.60]				•	
Chanthra2015	170	232	222	350	2.1%	1.58 [1.10, 2.27]	2015				
Sharkawy 2018	546	693	284	392	3.4%	1.41 [1.06, 1.88]	2018				
Subtotal (95% CI)		5672		6374	42.6%	1.29 [1.19, 1.41]				1	
Total events	2180		1999								
Heterogeneity: Chi ² = 7	.01, df = 7	(P = 0.	.43); l ² = 0	%							
Test for overall effect: Z	:= 6.04 (F	< 0.00	001)								
	,		,								
1.1.2 CHB vs.NC+HC(Asian)										
Liao 2013	103	194	95	214	1.9%	1.42 [0.96, 2.09]	2013			en cer	
Liao 2013	194	403	189	457	4.0%	1.32 [1.00, 1.72]	2013			r	
Liao 2014	294	572	368	718	7.0%	1.01 [0.81, 1.25]	2014		1/2		
Lu 2015	122	236	143	312	2.6%	1.26 [0.90, 1.77]	2015			1.7.	
Kim 2015	494	1787	447	2004	13.4%	1.33 [1.15, 1.54]	2015			•	
Chanthra2015	170	232	222	350	2.1%	1.58 [1.10, 2.27]	2015				
Chen 2015	257	1555	251	1927	8.2%	1.32 [1.10, 1.60]	2015			Ţ	
Subtotal (95% CI)		4979		5982	39.2%	1.28 [1.18, 1.40]				1	
Total events	1634		1715								
Heterogeneity: Chi ² = 6	.61, df = 6	(P = 0.	.36); l ² = 9	1%							
Test for overall effect: Z	:= 5.60 (F	< 0.00	001)								
1.1.3 CHB with HCC vs	e CHR wit	thout H	icc								
Clark 2013	117	203	127	247	2.1%	1.29 [0.88, 1.87]	2013		4		
Chen 2013	249	619	252	654	6.4%	1.07 [0.86, 1.34]			<u>.</u>		
Liao 2014	104	294	118	368	3.0%	1.16 [0.84, 1.60]			<u>.</u>	 2.	
Chanthra 2015	87	170	105	222	2.0%	1.17 [0.78, 1.74]			a -	-	
Kim 2015	160	494	123	447	3.8%	1.26 [0.95, 1.67]				-	
Lu 2015	45	122	33	143	0.8%	1.95 [1.14, 3.33]					
Subtotal (95% CI)	70	1902	00	2081	18.2%	1.20 [1.06, 1.37]	- 010			♦	
Total events	762		758			[
Heterogeneity: Chi ² = 4		(P = n		1%							
Test for overall effect: Z		,	,.	.0							
. 551 for or stall offoot. E	/ 0 \1	0.00	~)								
Total (95% CI)		12553		14437	100.0%	1.27 [1.20, 1.34]				ł	
Total events	4576		4472							50	
Heterogeneity: Chi ² = 1	8.91, df =	20 (P=	0.53); 2:	= 0%				0.04	ļ.	1	
Test for overall effect: Z		,	,					0.01	0.1	1 10	100

Supplemental Table S. Score of quality assessment

Criteria	Score
Representativeness of case	
Selected from population cancer registry	2
Selected from hospital	1
No method of selection described	0
Representativeness of control	
Population-based	3
Blood donors	2
Hospital-based	1
Not described	0
Ascertainment of NHL case	
Histopathologic confirmation	2
by patient medical record	1
Not described	0
Control selection	
Controls matched with cases by age and sex	2
Controls matched with cases only by age or by sex	1
Not matched or not descried	0
Genotyping examination	
Genotyping done blindly and quality control	2
Only genotyping done blindly or quality control	1
Unblinded and without quality control	0
HWE	
HWE in the control group	1
HWD in the control group or not mentioned	0
Total sample size	
> 1000	3
501 - 1000	2
201 - 500	1
≤ 200	0