

Supplementary Table 1 Alcohol and PBC case status, stratified by Child-Pugh score

	All persons with pathology data	Child-Pugh A	Child-Pugh B	Test for difference
16-20 years ¹ Frequency per week				
Didn't drink	1.26 (0.71, 2.24)	1.27 (0.70, 2.28)	0.97 (0.07, 14.22)	
<1 day	1.00 [Reference]	1.00 [Reference]	1.00 [Reference]	
1-2 days	0.60 (0.28, 1.26)	0.57 (0.26, 1.23)	1.53 (0.06, 37.28)	
3-7 days	0.45 (0.09, 2.21)	0.45 (0.09, 2.21)	0.45 (0.09, 2.21)	
Trend:	<i>P</i> = 0.046	<i>P</i> = 0.040	<i>P</i> = 0.82	<i>P</i> = 0.55
Drinks per session				
Didn't drink	1.16 (0.63, 2.17)	1.14 (0.60, 2.17)	1.14 (0.07, 18.26)	
1-2 drinks	1.00 [Reference]	1.00 [Reference]	1.00 [Reference]	
3-4 drinks	0.51 (0.22, 1.15)	0.47 (0.20, 1.12)	1.30 (0.06, 27.17)	
≥5 drinks	0.56 (0.17, 1.89)	0.50 (0.14, 1.81)	1.69 (0.03, 99.96)	
Trend:	<i>P</i> = 0.073	<i>P</i> = 0.060	<i>P</i> = 0.85	<i>P</i> = 0.54
Drinks per week				
Didn't drink	1.40 (0.79, 2.48)	1.42 (0.79, 2.53)	1.01 (0.07, 14.87)	

1-5 drinks per week	1.00 [Reference]	1.00 [Reference]	1.00 [Reference]	
6 -10 drinks per week	0.82 (0.35, 1.86)	0.79 (0.34, 1.87)	1.17 (0.06, 21.30)	
>10 drinks per week	0.55 (0.10, 2.89)	0.55 (0.10, 2.90)	0.55 (0.10, 2.90)	
Trend:	$P = 0.16$	$P = 0.15$	$P = 0.96$	$P = 0.74$
21-30 yr ¹ Frequency per week				
Didn't drink	3.39 (1.42, 8.09)	3.38 (1.42, 8.05)		
<1 day per week	1.00 [Reference]	1.00 [Reference]		
1-2 days per week	0.45 (0.23, 0.88)	0.45 (0.23, 0.90)		
3-4 days per week	0.16 (0.05, 0.45)	0.17 (0.06, 0.48)		
5-7 days per week	0.03 (0.00, 2.31)	0.04 (0.00, 2.27)		
Trend:	$P < 0.001$	$P < 0.001$		$P = 0.99$
Drinks per session				
Didn't drink	5.81 (2.39, 14.13)	5.74 (2.35, 14.01)		
1-2 drinks	1.00 [Reference]	1.00 [Reference]		
3-4 drinks	0.95 (0.45, 1.98)	0.97 (0.46, 2.06)		
≥5 drinks	0.21 (0.06, 0.72)	0.13 (0.03, 0.56)		
Trend:	$P < 0.001$	$P < 0.001$		$P = 0.19$

Drinks per week			
Didn't drink	5.14 (2.19, 12.05)	5.15 (2.20, 12.05)	
1 - 5	1.00 [Reference]	1.00 [Reference]	
6-10	0.80 (0.40, 1.59)	0.82 (0.41, 1.63)	
11-20	0.29 (0.08, 1.02)	0.30 (0.09, 1.04)	
>20	0.17 (0.03, 1.09)	0.18 (0.03, 1.11)	
Trend:	$P < 0.001$	$P < 0.001$	$P = 0.99$
31-40 yr ¹ Drinks per week			
Didn't drink	3.26 (0.95, 11.23)	2.72 (0.76, 9.69)	
<1 day per week	1.00 [Reference]	1.00 [Reference]	
1-2 days per week	0.62 (0.26, 1.48)	0.57 (0.24, 1.40)	
3-4 days per week	0.28 (0.08, 0.95)	0.27 (0.08, 0.91)	
5-7 days per week	0.10 (0.01, 0.82)	0.09 (0.01, 0.76)	
Trend:	$P < 0.001$	$P < 0.001$	$P = 0.99$
Drinks per session			
Didn't drink	3.99 (1.25, 12.77)	3.56 (1.11, 11.45)	

1-2 drinks	1.00 [Reference]	1.00 [Reference]	
3-4 drinks	0.75 (0.32, 1.76)	0.73 (0.31, 1.73)	
≥5 drinks	0.10 (0.01, 1.18)	0.09 (0.01, 1.12)	
Trend:	<i>P</i> = 0.004	<i>P</i> = 0.004	<i>P</i> = 0.90
Drinks per week			
Didn't drink	3.21 (0.96, 10.70)	2.77 (0.82, 9.37)	
1 - 5	1.00 [Reference]	1.00 [Reference]	
6-10	0.36 (0.13, 1.00)	0.35 (0.13, 0.97)	
11-20	0.67 (0.19, 2.36)	0.67 (0.19, 2.36)	
>20	-	-	
Trend:	<i>P</i> = 0.001	<i>P</i> = 0.001	<i>P</i> = 0.99

Associations with case status assessed by conditional logistic regression, grouped on the linkage identifier for matched cases and controls. All models adjusted for whether participant was born in Australia, education completed, and whether participant had ever smoked. ¹Cases (and their linked controls) who had been diagnosed prior to each age span were excluded from analysis, including 1 case/control pair for 16-20 yr, 8 case/control pairs for 21-30 yr, and 47 case/control pairs for 31-40 yr. Results in boldface denote statistical significance (*P* < 0.05). Shaded cells indicate where quantitative analysis was not possible due to small cell sizes. PBC: primary biliary cholangitis.

Supplementary Table 2 Alcohol and PBC case status, stratified by pathology count < 130

	All persons with platelet data	Platelet count ≥ 130	Platelet Count < 130	Test for difference
16-20 years ¹ Frequency per week				
Didn't drink	1.26 (0.71, 2.24)	1.17 (0.65, 2.13)	2.01 (0.41, 9.73)	
<1 day	1.00 [Reference]	1.00 [Reference]	1.00 [Reference]	
1-2 days	0.60 (0.28, 1.26)	0.61 (0.29, 1.28)	-	
3-7 days	0.45 (0.09, 2.21)	0.41 (0.09, 1.92)	0.41 (0.09, 1.92)	
Trend:	<i>P</i> = 0.046	<i>P</i> = 0.054	<i>P</i> = 0.24	<i>P</i> = 0.48
Drinks per session				
Didn't drink	1.16 (0.63, 2.17)	1.09 (0.57, 2.08)	2.39 (0.46, 12.46)	
1-2 drinks	1.00 [Reference]	1.00 [Reference]	1.00 [Reference]	
3-4 drinks	0.51 (0.22, 1.15)	0.50 (0.22, 1.17)	1.01 (0.08, 12.31)	
≥5 drinks	0.56 (0.17, 1.89)	0.69 (0.21, 2.27)	0.69 (0.21, 2.27)	
Trend:	<i>P</i> = 0.073	<i>P</i> = 0.14	<i>P</i> = 0.38	<i>P</i> = 0.65
Drinks per week				
Didn't drink	1.40 (0.79, 2.48)	1.31 (0.73, 2.36)	2.31 (0.50, 10.63)	

1-5 drinks per week	1.00 [Reference]	1.00 [Reference]	1.00 [Reference]	
6 -10 drinks per week	0.82 (0.35, 1.86)	0.85 (0.37, 1.95)	-	
>10 drinks per week	0.55 (0.10, 2.89)	0.51 (0.10, 2.59)	0.51 (0.10, 2.59)	
Trend:	<i>P</i> = 0.16	<i>P</i> = 0.21	<i>P</i> = 0.25	<i>P</i> = 0.41
21-30 yr ¹ Frequency per week				
Didn't drink	3.39 (1.42, 8.09)	3.50 (1.48, 8.26)		
<1 day per week	1.00 [Reference]	1.00 [Reference]		
1-2 days per week	0.45 (0.23, 0.88)	0.2 (0.26, 1.02)		
3-4 days per week	0.16 (0.05, 0.45)	0.22 (0.08, 0.59)		
5-7 days per week	0.03 (0.00, 2.31)	0.04 (0.00, 1.65)		
Trend:	<i>P</i> < 0.001	<i>P</i> < 0.001		<i>P</i> = 0.99
Drinks per session				
Didn't drink	5.81 (2.39, 14.13)	6.08 (2.47, 14.93)		
1-2 drinks	1.00 [Reference]	1.00 [Reference]		
3-4 drinks	0.95 (0.45, 1.98)	1.21 (0.58, 2.50)		
≥5 drinks	0.21 (0.06, 0.72)	0.24 (0.07, 0.82)		
Trend:	<i>P</i> < 0.001	<i>P</i> < 0.001		<i>P</i> = 0.31

Drinks per week				
Didn't drink	5.14 (2.19, 12.05)	5.02 (2.15, 11.73)	-	
1 - 5	1.00 [Reference]	1.00 [Reference]	1.00 [Reference]	
6-10	0.80 (0.40, 1.59)	0.88 (0.43, 1.79)	-	
11-20	0.29 (0.08, 1.02)	0.47 (0.15, 1.46)	0.47 (0.15, 1.46)	
>20	0.17 (0.03, 1.09)	0.16 (0.03, 0.95)	0.16 (0.03, 0.95)	
Trend:	<i>P</i> < 0.001	<i>P</i> < 0.001	<i>P</i> = 0.99	<i>P</i> = 0.99
31-40 yr ¹ Drinks per week				
Didn't drink	3.26 (0.95, 11.23)	3.30 (0.93, 11.66)		
<1 day per week	1.00 [Reference]	1.00 [Reference]		
1-2 days per week	0.62 (0.26, 1.48)	0.73 (0.29, 1.83)		
3-4 days per week	0.28 (0.08, 0.95)	0.42 (0.13, 1.32)		
5-7 days per week	0.10 (0.01, 0.82)	0.12 (0.02, 0.87)		
Trend:	<i>P</i> < 0.001	<i>P</i> = 0.001		<i>P</i> = 0.99
Drinks per session				
Didn't drink	3.99 (1.25, 12.77)	3.94 (1.25, 12.38)		
1-2 drinks	1.00 [Reference]	1.00 [Reference]		

3-4 drinks	0.75 (0.32, 1.76)	0.91 (0.39, 2.09)	
≥5 drinks	0.10 (0.01, 1.18)	0.32 (0.05, 2.28)	
Trend:	<i>P</i> = 0.004	<i>P</i> = 0.016	<i>P</i> = 0.99
Drinks per week			
Didn't drink	3.21 (0.96, 10.70)	3.00 (0.94, 9.61)	
1 - 5	1.00 [Reference]	1.00 [Reference]	
6-10	0.36 (0.13, 1.00)	0.46 (0.16, 1.29)	
11-20	0.67 (0.19, 2.36)	0.57 (0.17, 1.89)	
>20	-	0.25 (0.02, 3.52)	
Trend:	<i>P</i> = 0.001	<i>P</i> = 0.003	<i>P</i> = 0.99

Associations with case status assessed by conditional logistic regression, grouped on the linkage identifier for matched cases and controls. All models adjusted for whether participant was born in Australia, education completed, and whether participant had ever smoked. ¹Cases (and their linked controls) who had been diagnosed prior to each age span were excluded from analysis, including 1 case/control pair for 16-20 yr, 8 case/control pairs for 21-30 yr, and 47 case/control pairs for 31-40 yr. Results in boldface denote statistical significance (*P* < 0.05). Shaded cells indicate where quantitative analysis was not possible due to small cell sizes. PBC: Primary biliary cholangitis.