

**Supplementary Material for:**

Effects of Sibship Size and Composition on Younger Brothers' and Sisters' Alcohol Use

Initiation: Findings from an Australian Twin Sample

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Table S1a

*Influence of Divorce and Close in Age Older Siblings on Age at First Drink and Age at First Intoxication*

Measure	AFD			AFI		
	<i>F</i>	<i>p</i> -value	ES	<i>F</i>	<i>p</i> -value	ES
CIAO Siblings	9.15	.003	.	8.41	.004	.
Sex	25.90	<.0001*	.	21.35	<.0001*	.
Divorce	8.38	.004	.	22.09	<.0001*	.
CIAO Siblings*Sex	4.88	.03	.	0.79	.38	.
CIAO Siblings*Divorce	7.11	.008	.	7.30	.007	.
Sex*Divorce	0.84	.36	.	0.09	.77	.
CIAO Siblings*Sex*Divorce	2.51	.11	.	1.22	.27	.
<i>Homes of Divorce</i>						
CIAO Siblings	9.73	.002	-0.35	9.10	.003	-0.36
Sex	10.80	.001	.	6.55	.01	.
CIAO Siblings*Sex	4.34	.04	.	1.10	.29	.
<i>Intact Families</i>						
CIAO Siblings	0.41	.52	-0.03	0.16	.69	-0.02
Sex	39.81	<.0001*	.	52.76	<.0001*	.
CIAO Siblings*Sex	0.86	.35	.	0.15	.70	.

*Note:* CIAO=Close in Age Older; AFD=Age at First Drink; AFI=Age at First Intoxication; ES=Effect Size (Cohen's *d*). Effect sizes calculated based on mean differences in age of onset between individuals without any of the specified sibling type and those with one or more. To account for multiple testing, a correction to alpha ( $p < .001$ ) was applied. Asterisks indicate *p*-values that remained significant under this correction.

Table S1b

*Influence of Divorce and Full Brothers on Age at First Drink and Age at First Intoxication*

Measure	AFD			AFI		
	<i>F</i>	<i>p</i> -value	ES	<i>F</i>	<i>p</i> -value	ES
Full Brothers	1.43	.23	.	0.10	.96	.
Sex	18.25	<.0001*	.	15.09	<.001*	.
Divorce	3.21	.07	.	16.87	<.0001*	.
Full Brothers *Sex	0.49	.69	.	0.11	.95	.
Full Brothers*Divorce	0.57	.64	.	0.25	.86	.
Sex*Divorce	0.37	.54	.	3.44	.06	.
Full Brothers*Sex*Divorce	3.59	.01	.	1.78	.15	.
<i>Men</i>						
Full Brothers	1.46	.22	.	.	.	.
Divorce	0.63	.43	.	.	.	.
Full Brothers*Divorce	2.96	.03	.	.	.	.
<i>Homes of Divorce</i>						
Full Brothers	2.82	.04	0.37	.	.	.
<i>Intact Families</i>						
Full Brothers	1.03	.38	-0.07	.	.	.
<i>Women</i>						
Full Brothers	0.29	.84	.	.	.	.
Divorce	3.26	.07	.	.	.	.
Full Brothers*Divorce	0.80	.49	.	.	.	.

*Note:* AFD=Age at First Drink; AFI=Age at First Intoxication; ES=Effect Size (Cohen's *d*). Effect sizes calculated based on mean differences in age of onset between individuals without any of the specified sibling type and those with one or more. To account for multiple testing, a correction to alpha ( $p < .001$ ) was applied. Asterisks indicate *p*-values that remained significant under this correction.

Table S1c

*Influence of Divorce and Full Older Brothers on Age at First Drink and Age at First Intoxication*

Measure	AFD			AFI		
	<i>F</i>	<i>p</i> -value	ES	<i>F</i>	<i>p</i> -value	ES
Full Older Brothers	0.90	.44	.	0.62	.60	.
Sex	21.97	<.0001*	.	11.99	<.001*	.
Divorce	0.96	.33	.	9.39	.002	.
Full Older Brothers*Sex	1.45	.23	.	0.71	.55	.
Full Older Brothers*Divorce	0.92	.43	.	0.14	.94	.
Sex*Divorce	0.05	.83	.	3.38	.07	.
Full Older Brothers*Sex*Divorce	3.62	.01	.	2.52	.06	.
<i>Men</i>						
Full Older Brothers	0.41	.75	.	.	.	.
Divorce	0.65	.42	.	.	.	.
Full Older Brothers*Divorce	1.52	.21	.	.	.	.
<i>Women</i>						
Full Older Brothers	2.28	.08	.	.	.	.
Divorce	0.31	.58	.	.	.	.
Full Older Brothers*Divorce	3.30	.02	.	.	.	.
<i>Homes of Divorce</i>						
Full Older Brothers	3.04	.03	0.22	.	.	.
<i>Intact Families</i>						
Full Older Brothers	2.24	.08	-0.08	.	.	.

*Note:* AFD=Age at First Drink; AFI=Age at First Intoxication; ES=Effect Size (Cohen's *d*). Effect sizes calculated based on mean differences in age of onset between individuals without any of the specified sibling type and those with one or more. To account for multiple testing, a correction to alpha ( $p < .001$ ) was applied. Asterisks indicate *p*-values that remained significant under this correction.

Table S1d

*Influence of Divorce and Close in Age Older Sisters on Age at First Drink and Age at First Intoxication*

Measure	AFD			AFI		
	<i>F</i>	<i>p</i> -value	ES	<i>F</i>	<i>p</i> -value	ES
CIAO Sisters	4.00	.05	.	5.38	.02	.
Sex	33.99	<.0001*	.	21.13	<.0001*	.
Divorce	9.28	.002	.	18.33	<.0001*	.
CIAO Sisters*Sex	15.01	.0001*	.	4.17	.04	.
CIAO Sisters*Divorce	4.25	.04	.	3.78	.05	.
Sex*Divorce	8.78	.003	.	2.37	.12	.
CIAO Sisters*Sex*Divorce	16.83	<.0001*	.	10.48	.001	.
<i>Men</i>						
CIAO Sisters	12.19	<.001*	.	8.51	.004	.
Divorce	12.72	<.001*	.	15.00	<.001*	.
CIAO Sisters*Divorce	13.43	<.001*	.	11.96	<.001*	.
<i>Homes of Divorce</i>						
CIAO Sisters	18.74	<.0001*	-1.19	12.19	<.001*	-0.95
<i>Intact Families</i>						
CIAO Sisters	0.06	.81	0.02	0.80	.37	0.07
<i>Women</i>						
CIAO Sisters	2.81	.09	.	0.05	.82	.
Divorce	0.01	.94	.	4.92	.03	.
CIAO Sisters*Divorce	3.34	.07	.	1.09	.30	.

*Note:* CIAO=Close in Age Older; AFD=Age at First Drink; AFI=Age at First Intoxication; ES=Effect Size (Cohen's *d*). Effect sizes calculated based on mean differences in age of onset between individuals without any of the specified sibling type and those with one or more. To account for multiple testing, a correction to alpha ( $p < .001$ ) was applied. Asterisks indicate *p*-values that remained significant under this correction.