

## Supplementary Online Content

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**eTable 1.** Characteristics of Twins Aged 20 to 47 Years From the Nationwide Swedish Twin Register With OCD Data Collected Within the STAGE Study (N=16 383)

**eTable 2.** Risk for OCD in Relatives of Proband Diagnosed With OCD Compared With Relatives of Matched Controls (*ICD-9* and *ICD-10* Only)

**eTable 3.** Risk (ORs and 95% CIs) for the Presence of OCD in Relatives of Proband Diagnosed With OCD: Gender Effects

This supplementary material has been provided by the authors to give readers additional information about their work.

## Supplementary Material

**eTable 1.** Characteristics of Twins Aged 20 to 47 Years From the Nationwide Swedish Twin Register With OCD Data Collected Within the STAGE Study (N=16 383)

<sup>a</sup>In total, 377 twins had unknown zygosity. MZ = monozygotic, DZ = dizygotic.

	<b>Zygosity<sup>a</sup></b>		
	<b>MZ Twins</b>	<b>DZ Same-Sex Twins</b>	<b>DZ Opposite-Sex Twins</b>
Total No. of individuals	6471	4718	4817
Mean age, years (SD)	30.8 (6.8)	32.5 (7.7)	32.9 (7.7)
Females, No.	3748	2658	2704
Males, No.	2723	2060	2113
Complete pairs, No.	2388	1487	1428
Singletons, No.	1695	1744	1961

**eTable 2.** Risk for OCD in Relatives of Probands Diagnosed With OCD Compared With Relatives of Matched Controls (*ICD-9* and *ICD-10* Only)<sup>a</sup>

<b>Relation to Proband</b>	<b>Average Degree of Genetic Similarity</b>	<b>No. of Dyads</b>	<b>Concordant Pairs</b>	<b>Matched Odds Ratio (95% CI)</b>	<b>Tetrachoric Correlation</b>
<b>First-degree relatives</b>					
<b>First-degree relatives</b>					
Full sibling	50%	294 732	494	5.15 (4.58–5.80)	0.26
Parent	50%	416 183	203	4.91 (4.22–5.70)	0.18
Offspring	50%	183 955	204	5.80 (4.98–6.74)	0.18
<b>Second-degree relatives</b>					
Maternal half-sibling	25%	46 434	45	2.21 (1.40–3.49)	0.11
Paternal half-sibling	25%	57 745	42	1.53 (1.02–2.31)	0.07
Uncle/aunt	25%	462 581	147	2.08 (1.77–2.45)	0.06
Nephew/niece	25%	313 378	147	2.02 (1.72–2.38)	0.06
Grandparent	25%	514 527	23	1.43 (0.96–2.13)	0.00
Grandchild	25%	84 703	23	1.22 (0.82–1.83)	0.00
<b>Third-degree relatives</b>					
First cousin	12.5%	925 673	445	1.44 (1.27–1.63)	0.06
<b>Nonbiological relatives</b>					
Spouses or partners	0%	102 863	49	2.66 (2.00–3.54)	0.15

<sup>a</sup>Individuals who have at least 1 child together with the proband.

**eTable 3.** Risk (ORs and 95% CIs) for the Presence of OCD in Relatives of Probands Diagnosed With OCD: Gender Effects

OR = Odds ratios

Relation to proband	Male-Male Pairs		Male-Female Pairs		Female-Female Pairs		Female-Male Pairs	
	Concordant Pairs	Matched OR (95% CI)	Concordant Pairs	Matched OR (95% CI)	Concordant Pairs	Matched OR (95% CI)	Concordant Pairs	Matched OR (95% CI)
<b>First-degree relatives</b>								
Full sibling	112	4.80 (3.74-6.17)	106	4.63 (3.78-5.67)	105	4.80 (3.91-5.89)	197	5.59 (4.62-6.75)
Parent	38	4.57 (3.23-6.48)	77	5.18 (4.07-6.59)	44	4.70 (3.40-6.49)	75	4.35 (3.42-5.52)
Offspring	40	4.84 (3.42-6.86)	44	4.72 (3.45-6.45)	78	5.12 (4.03-6.50)	75	3.93 (3.09-4.99)
<b>Second-degree relatives</b>								
Maternal half-sibling	15	4.22 (1.96-9.11)	11	2.32 (1.21-4.44)	11	2.27 (1.12-4.61)	12	1.52 (0.69-3.34)
Paternal half-sibling	10	1.85 (0.79-4.37)	9	1.17 (0.60-2.25)	9	1.30 (0.68-2.49)	16	1.89 (0.95-3.78)
Uncle/aunt	41	2.90 (2.13-3.96)	37	1.74 (1.26-2.41)	42	1.98 (1.46-2.68)	53	1.88 (1.43-2.48)
Nephew/niece	41	2.49 (1.81-3.44)	42	2.11 (1.56-2.87)	37	1.93 (1.39-2.67)	53	2.04 (1.55-2.68)
Grandparent	5	1.12 (0.47-2.68)	18	2.44 (1.52-3.91)	8	1.36 (0.67-2.74)	17	1.56 (0.98-2.50)
Grandchild	5	2.00 (0.82-4.89)	8	1.24 (0.63-2.43)	18	2.21 (1.39-3.51)	17	1.52 (0.95-2.45)
<b>Third-degree relatives</b>								
First cousin	82	1.45 (1.07-1.99)	114	1.55 (1.29-1.87)	113	1.44 (1.19-1.73)	138	1.27 (1.01-1.60)