

## Supplementary Tables

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**TABLE S1:** ENIGMA Obsessive-Compulsive Disorder Working Group Demographics, age (in years), sex, and numbers breakdown for participating sites, separately for adult and pediatric samples.

Study	Study PI	Site, Country, Sample	Field Strength	Age (Mean ± SD)	% Male	Total N	Total N Controls	Total N OCD
1	Benedetti	Milan, ITA	3T	31.68 ± 10.50	72.58	62	32	30
2	Beucke	Berlin, GER	1.5T	32.05 ± 9.59	48.97	194	104	90
3	Cheng	Kunming, CHN I	1.5T	31.23 ± 8.78	30.00	60	38	22
4		Kunming, CHN II	3T	28.70 ± 7.92	38.10	147	93	54
5	Denys	Amsterdam, NLD	3T	37.21 ± 9.85	33.93	56	25	31
6	van den Heuvel	Amsterdam, NLD I	1.5T	32.60 ± 8.52	33.98	103	49	54
7		Amsterdam, NLD II	3T	38.92 ± 10.65	47.44	78	36	42
8	Hoexter	Sao Paulo, BRA I	1.5T	29.83 ± 9.30	40.23	87	37	50
9	Koch	Munchen, GER	3T	30.66 ± 9.04	38.36	146	71	75
10	Kwon	Seoul, KOR I	1.5T	24.30 ± 4.21	61.49	148	103	45
11		Seoul, KOR II	1.5T	26.42 ± 6.21	63.95	86	45	41
12		Seoul, KOR III	3T	26.48 ± 7.08	61.45	179	89	90
13	Mataix-Cols	Stockholm, SWE	1.5T	37.58 ± 11.06	40.26	77	33	44
14	Menchon	Barcelona, ESP	1.5T	34.19 ± 9.59	48.35	182	66	116
15	Nakamae	Kyoto, JPN I	3T	31.64 ± 8.66	42.47	73	39	34
16		Kyoto, JPN II	1.5T	31.34 ± 8.79	48.06	129	48	81
17	Nakao	Fukuoka, JPN	3T	37.52 ± 11.13	40.98	122	41	81
18	Nurmi	California, USA	3T	32.45 ± 11.27	52.70	74	25	49
19	Reddy	Bangalore, IND I	1.5T	27.33 ± 6.23	62.75	51	20	31
20		Bangalore, IND II	3T	28.17 ± 6.13	57.64	373	170	203
21	Simpson	New York, USA	3T	28.94 ± 7.98	51.52	66	33	33
22	Spalletta	Rome, ITA	3T	36.58 ± 11.00	61.54	208	125	83
23	Stein	Cape Town, ZAF	3T	31.02 ± 10.52	42.00	50	27	23
24	Tolin	Conneticut, USA	3T	40.73 ± 14.29	42.37	59	32	27
25	Walitza	Zurich, CHE I	3T	31.84 ± 8.48	37.14	35	18	17
26	Wang	Shanghai, CHN	3T	28.19 ± 8.78	53.93	89	37	52
					<i>adult samples combined</i>	<b>2934</b>	<b>1436</b>	<b>1498</b>
1	Anorld	Ontario, CAN	3T	12.64 ± 2.27	58.33	48	13	35
2	Fitzgerald	Michigan, USA	3T	13.66 ± 2.75	49.23	130	60	70
3	Gruner	Connecticut, USA	3T	14.29 ± 2.14	55.56	45	23	22

4	Hoexter	Sao Paulo, BRA II	3T	12.30 ± 2.43	58.93	56	28	28
5	Huysen	Amsterdam, NLD	3T	13.64 ± 2.43	36.73	49	23	26
6	James	Oxford, GBR	1.5T	16.46 ± 1.31	56.00	25	12	13
7	Lazaro	Barcelona, ESP I	1.5T	14.62 ± 2.16	54.10	61	30	31
8		Barcelona, ESP II	3T	14.57 ± 2.06	57.84	102	44	58
9	Nurmi	California, USA		12.82 ± 2.73	52.63	95	36	59
10	Reddy	Bangalore, IND III	3T	13.82 ± 2.13	55.56	27	13	14
11	Soreni	Ontario, CAN	3T	12.32 ± 2.84	42.11	57	22	35
12	Walitza	Zurich, CHE II	3T	15.10 ± 1.47	63.89	36	20	16
					<i>pediatric samples combined</i>	<b>731</b>	<b>324</b>	<b>407</b>
38					54	<b>3665</b>	<b>1760</b>	<b>1905</b>



**TABLE S2: ENIGMA Obsessive-Compulsive Disorder Working Group Clinical characteristics breakdown for participating sites, separately for adult and pediatric samples**

Study	Study PI	Site, Country, Sample	Structured interview	% Medicated OCD patients	% antidepressants	% antidepressants + antipsychotics	YBOCS (Mean± SD)	% Comorbid Anxiety	% Comorbid depression	% Comorbid TD	% Comorbid ADHD	% Comorbid ASD
1	Benedetti	Milan, ITA	SCID	63.33	50.00	10.00	31.07 ± 5.29	0.00	3.33	0.00	not assessed	not assessed
2	Beucke	Berlin, GER	SCID	37.00	30.00	1.11	20.07 ± 7.06	31.11	20.00	not assessed	not assessed	not assessed
3	Cheng	Kunming, CHN I	SCID	68.18	54.55	13.64	31.27 ± 6.21	15.91	6.82	not assessed	not assessed	not assessed
4		Kunming, CHN II	SCID	68.52	42.59	7.41	28.19 ± 6.33	16.67	3.70	not assessed	not assessed	not assessed
5	Denys	Amsterdam, NLD	SCID	64.52	48.39	6.45	27.48 ± 6.37	3.23	32.26	0.00	3.23	0.00
6	van den Heuvel	Amsterdam, NLD I	SCID	0.00	-	-	22.71 ± 6.13	25.93	14.81	not assessed	not assessed	not assessed
7		Amsterdam, NLD II	SCID	0.00	-	-	21.48 ± 6.14	35.71	21.43	4.76	not assessed	not assessed
8	Hoexter	Sao Paulo, BRA I	SCID	20.00	8.00	10.00	27.20 ± 6.09	38.00	34.00	4.00	6.00	not assessed
9	Koch	Munchen, GER	SCID	60.00	52.00	0.00	20.85 ± 6.08	not assessed	not assessed	not assessed	0.00	not assessed
10	Kwon	Seoul, KOR I	SCID	24.44	8.89	13.33	20.22 ± 6.04	0.00	0.00	not assessed	0.00	0.00
11		Seoul, KOR II	SCID	0.00	-	-	23.47 ± 6.65	0.00	0.00	2.22	0.00	0.00
12		Seoul, KOR III	SCID	2.22	unknown	unknown	26.67 ± 6.61	0.00	0.00	0.00	0.00	0.00
13	Mataix-Cols	Stockholm, SWE	SCID	40.91	40.91	0.00	25.86 ± 7.70	27.27	6.82	not assessed	not assessed	not assessed
14	Menchon	Barcelona, ESP	SCID	96.55	75.00	24.11	25.50 ± 5.86	14.66	13.79	15.52	7.76	0.00
15	Nakamae	Kyoto, JPN I	SCID	0.00	-	-	22.41 ± 6.94	23.53	8.82	0.00	0.00	0.00
16		Kyoto, JPN II	SCID	48.15	32.10	19.75	25.02 ± 6.43	3.70	0.00	0.00	0.00	0.00
17	Nakao	Fukuoka, JPN	SCID	87.65	unknown	unknown	22.48 ± 5.61	9.88	13.58	not assessed	not assessed	not assessed
18	Nurmi	California, USA	SCID	28.57	28.57	0.00	24.61 ± 4.33	36.73	20.41	0.00	0.00	0.00
19	Reddy	Bangalore, IND I	MINI	0.00	-	-	25.16 ± 8.33	5.42	14.78	0.00	not assessed	not assessed
20		Bangalore, IND II	MINI	40.39	33.99	5.91	25.87 ± 6.29	not assessed	not assessed	0.00	not assessed	not assessed
21	Simpson	New York, USA	SCID	0.00	-	-	25.55 ± 3.69	18.18	0.00	0.00	0.00	0.00
22	Spalletta	Rome, ITA	SCID	89.16	39.29	30.12	23.44 ± 9.00	6.02	9.64	0.00	0.00	0.00
23	Stein	Cape Town, ZAF	SCID	39.13	30.43	8.70	23.09 ± 4.14	0.00	0.00	0.00	0.00	0.00

24	Tolin	Connecticut, USA	ADIS	77.78	59.26	11.11	22.74 ± 4.76	33.33	11.11	not assessed	not assessed	0.00
25	Walitza	Zurich, CHE I	SCID	58.82	47.06	11.76	17.12 ± 9.94	35.29	17.65	0.00	0.00	0.00
26	Wang	Shanghai, CHN	MINI	0.00	-	-	25.42 ± 5.02	0.00	0.00	0.00	0.00	0.00
1	Anorld	Ontario, CAN	K-SADS	60.00	25.71	17.14	20.92 ± 7.82	25.71	11.43	8.57	5.71	0.00
2	Fitzgerald	Michigan, USA	K-SADS	50.00	37.14	5.71	18.99 ± 8.07	38.57	1.43	18.57	8.57	0.00
3	Gruner	Connecticut, USA	K-SADS	54.55	unknown	unknown	26.68 ± 4.49	not assessed	not assessed	0.00	27.27	4.55
4	Hoexter	Sao Paulo, BRA II	K-SADS	46.43	unknown	unknown	26.93 ± 5.43	71.43	21.43	0.00	39.29	not assessed
5	Huysen	Amsterdam, NLD	ADIS (child + parent)	0.00	-	-	25.04 ± 5.13	50.00	23.08	7.69	7.69	not assessed
6	James	Oxford, GBR	K-SADS	46.15	46.15	0.00	13.85 ± 5.86	30.77	23.08	0.00	0.00	0.00
7	Lazaro	Barcelona, ESP I	K-SADS	54.84	54.84	0.00	22.23 ± 5.96	48.39	0.00	3.23	0.00	0.00
8		Barcelona, ESP II	K-SADS	79.31	62.07	17.24	15.59 ± 7.36	3.45	0.00	3.45	5.17	0.00
9	Nurmi	California, USA	K-SADS	13.56	3.39	unknown	24.05 ± 3.98	38.98	6.78	11.86	16.95	0.00
10	Reddy	Bangalore, IND III	MINI-kid	85.71	78.57	7.14	22.07 ± 7.29	21.43	7.14	0.00	not assessed	not assessed
11	Soreni	Ontario, CAN	K-SADS	11.43	8.57	0.00	21.68 ± 5.56	31.43	11.43	not assessed	2.86	11.43
12	Walitza	Zurich, CHE II	K-SADS	56.25	43.75	0.00	14.69 ± 10.40	31.25	0.00	12.5	12.5	0.00

<sup>a</sup> Measured with the Yale-Brown Obsessive Compulsive scale (YBOCS)

<sup>b</sup> Measured with the Children's Yale-Brown Obsessive Compulsive scale (C-YBOCS)

Abbreviations: ADHD attention deficit hyperactivity disorder; ASD autism spectrum disorder

**TABLE S3:** Image acquisition parameters per site.

PI site	Site, Country, Sample	Scanner vendor and type	Acquisition parameters
<b>Arnold</b>	Ontario, CAN	3T Siemens Tim Trio VB17	Matrix 192 x 240, 256 slices, Voxel size = 1 mm ISO
<b>Benedetti</b>	Milan, ITA	3T Philips Gyroscan Intera	Matrix 256 x 256, 220 slices, Voxel size 1 x 1 x 1 mm
<b>Beucke</b>	Berlin, GER	1.5T Siemens Sonata	Matrix 256 x 224, 176 slices, Voxel size = 1mm ISO
<b>Cheng</b>	Kunming, CHN I	1.5T GE Signa Excite	Matrix 256 x 256, 172 slices, Voxel size 0.93 x 0.93 x 0.9 mm
	Kunming, CHN II	3T Philips Achieva	Matrix 228 x 228, 230 slices, Voxel size 1.1 x 1.1 x 0.6 mm
<b>Denys</b>	Amsterdam, NLD	3T Philips Intera	Matrix 256 x 256, 182/180 slices, Voxel size 1.2 x 0.833 x 0.833/ 1 x 0.5 x 0.5
<b>Fitzgerald</b>	Michigan, USA	3T GE Signa	Matrix 256 x 256, 124 slices, Voxel size 1.02 x 1.02 x 1.2 mm
<b>Gruner</b>	Connecticut, USA	3T GE Signa	Matrix 256 x 256, 216 slices, Voxel size 0.976 x 0.976 x 1.0 mm
<b>van den Heuvel</b>	Amsterdam, NLD I	1.5T Siemens Sonata	Matrix 256 x 160, 160 slices, Voxel size 1 x 1 x 1.5 mm
	Amsterdam, NLD II	3T GE Healthcare Signa HDxt	Matrix 256 x 256, 172 slices, Voxel size 1 x 0.977 x 0.977
<b>Hoexter</b>	Sao Paulo, BRA I	1.5T GE Signa	Matrix 256 x 192, 248 slices, Voxel size 0.94 x 0.94 x 0.80 mm
	Sao Paulo, BRA II	3T Philips Achieva	Matrix 240 x 240, 208 slices, Voxel size 1 x 1 x 1 mm
<b>Huyser</b>	Amsterdam, NLD	3T Philips Intera MR	Matrix 256 x 256, 182 slices, Voxel size 1 x 1 x 1.2 mm
<b>James</b>	Oxford, GBR	1.5T Siemens Sonata	Matrix 256 x 256, 208 slices, Voxel size 1 x 1 x 1 mm
<b>Koch</b>	Munchen, GER	3T Philips Ingenia	Matrix 240 x 240, 170 slices, Voxel size 1 x 1 x 1 mm
<b>Kwon</b>	Seoul, KOR I	1.5T GE Signa	Matrix 256 x 256, 124 slices, Voxel size 0.82 x 0.82 x 1.5 mm
	Seoul, KOR II	1.5T Siemens Avanto	Matrix 416 x 512, 160-208 slices, Voxel size 0.45 x 0.45 x 0.9 mm
	Seoul, KOR III	3T Siemens Trio	Matrix 256 x 256, 208 slices, Voxel size 1 x 0.977 x 0.977 mm
<b>Lazaro</b>	Barcelona, ESP I	1.5T GE Signa LX	Matrix 256 x 256, 128 slices, Voxel size 1 x 1 x 1 mm
	Barcelona, ESP II	3T Siemens Magnetom Tim	Matrix 256 x 256, 240 slices, Voxel size 1 x 1 x 1 mm
<b>Mataix-Cols</b>	Stockholm, SWE	1.5T GE Signa	Matrix 256 x 256, 124 slices, Voxel size 0.94 x 0.94 x 1.5 mm
		1.5T GE Signa HDx	Matrix 256 x 256, 146 slices, Voxel size 1.09 x 1.09 x 1.1 mm
<b>Menchon</b>	Barcelona, ESP	1.5T GE Signa Excite	Matrix 256 x 256, 130 slices, Voxel size 1.2 x 1.2 x 1.2 mm
<b>Nakamae</b>	Kyoto, JPN I	1.5T Philips Gyroscan Intera	Matrix 256 x 256, 130 slices, Voxel size 0.98 x 0.98 x 1.5 mm
	Kyoto, JPN II	3T Philips Achieva	Matrix 256 x 256, 170 slices, Voxel size 1.0 x 1.0 x 1.0 mm
<b>Nakao</b>	Fukuoka, JPN	3T Philips Achieva TX	Matrix 240 x 240, 190 slices, Voxel size 1.8 x 1.8 x 1.8 mm

<b>Nurmi</b>	California, USA	3T Siemens Trio	Matrix 256 x 256, 176 slices, Voxel size 1.0 x 1.0 x 1.0 mm
<b>Reddy</b>	Bangalore, IND I	1.5T Siemens Vision	Matrix 256 x 160, 160 slices, Voxel size 0.98 x 0.98 x 1 mm
	Bangalore, IND II	3T Siemens Skyra	Matrix 256 x 256, 192 slices, Voxel size 1.0 x 1.0 x 1.0 mm
	Bangalore, IND III	3T Philips Achieva	Matrix 256 x 256, 165 slices, Voxel size 1.0 x 1.0 x 1.0 mm
<b>Simpson</b>	New York, USA	3T GE Signa	Matrix 256 x 256, 164 slices, Voxel size 0.976 x 0.976 x 1.0 mm
<b>Soreni</b>	Ontario, CAN	3T GE Excite	Matrix 512 x 512, 148 slices, Voxel size 0.468 x 0.469 x 1 mm
<b>Spalletta</b>	Rome, ITA	3T Siemens Allegra	Matrix 256 x 256, 176 slices, Voxel size 1 x 1 x 1 mm
<b>Stein</b>	Cape Town, ZAF	3T Siemens Allegra	Matrix 256 x 256, 160 slices, Voxel size 1.3 x 1.0 x 1.0 mm
<b>Tolin</b>	Connecticut, USA	3T Siemens Allegra	Matrix 64 x 64, 29 slices, Voxel size 1 x 1 x 1 mm
<b>Walitza</b>	Zurich, CHE I	3T Philips Achieva	Matrix 240 x 240, 160 slices, Voxel size 1 x 1 x 1 mm ISO
	Zurich, CHE II	3T Philips Achieva	Matrix 240 x 240, 160 slices, Voxel size 1 x 1 x 1 mm ISO
<b>Wang</b>	Shanghai, CHN	3T Siemens Verio	Matrix 256 x 256, 192 slices, Voxel size 1.0 x 1.0 x 1.0 mm

**TABLE S4:** Full mega-analytic results for cortical thickness of each structure for the adult OCD patients compared with adult healthy controls, controlling for age, sex and scan center.

	Cohen's d <sup>a</sup> (OCD vs HC)	Standard Error	P-value	FDR P-value	N controls	N patients
Right inferior parietal cortex	-0.140	0.005	2.161E-04	0.008	1379	1452
Left inferior parietal cortex	-0.140	0.005	2.283E-04	0.008	1364	1434
Left fusiform gyrus	-0.109	0.005	0.004	0.058	1428	1488
Right lateral orbitofrontal cortex	-0.108	0.006	0.004	0.058	1431	1497
Left cortical thickness	-0.106	0.004	0.004	0.058	1435	1498
Right medial orbitofrontal cortex	-0.102	0.007	0.006	0.067	1428	1487
Right precuneus	-0.101	0.005	0.007	0.067	1429	1491
Right middle temporal gyrus	-0.098	0.006	0.009	0.067	1402	1467
Left precuneus	-0.097	0.005	0.009	0.067	1426	1493
Left lateral orbitofrontal cortex	-0.096	0.006	0.010	0.067	1433	1494
Left rostral middle frontal gyrus	-0.095	0.005	0.011	0.069	1429	1485
Left middle temporal gyrus	-0.093	0.006	0.017	0.077	1320	1367
Right cortical thickness	-0.092	0.004	0.013	0.077	1435	1493
Right rostral middle frontal gyrus	-0.091	0.005	0.015	0.077	1424	1493
Left caudal middle frontal gyrus	-0.090	0.006	0.016	0.077	1429	1478
Right fusiform gyrus	-0.089	0.005	0.018	0.077	1428	1460
Left inferior temporal cortex gyrus	-0.087	0.006	0.021	0.086	1383	1470
Left medial orbitofrontal cortex	-0.084	0.007	0.024	0.092	1430	1490
Left pars opercularis	-0.083	0.006	0.027	0.098	1427	1489
Right parahippocampal gyrus	-0.080	0.010	0.032	0.111	1420	1487
Right caudal middle frontal gyrus	-0.079	0.006	0.033	0.111	1423	1485
Left rostral anterior cingulate cortex	-0.074	0.009	0.047	0.143	1415	1473
Left lateral occipital cortex	-0.074	0.005	0.046	0.143	1419	1480
Right lateral occipital cortex	-0.072	0.005	0.052	0.153	1421	1479
Left posterior cingulate cortex	-0.071	0.006	0.055	0.153	1431	1492
Left superior frontal gyrus	-0.069	0.006	0.068	0.170	1413	1437
Right pars orbitalis	-0.069	0.008	0.064	0.170	1431	1495
Left isthmus cingulate cortex	-0.068	0.008	0.066	0.170	1431	1492
Left insula	-0.065	0.006	0.084	0.196	1414	1471
Right insula	-0.065	0.007	0.084	0.196	1415	1462
Right pars opercularis	-0.062	0.006	0.099	0.215	1418	1478
Left entorhinal cortex	-0.062	0.014	0.110	0.229	1318	1381
Left superior parietal cortex	-0.062	0.005	0.097	0.215	1417	1469
Left banks superior temporal sulcus	-0.060	0.007	0.123	0.239	1284	1357

Left parahippocampal gyrus	-0.059	0.012	0.115	0.229	1424	1489
Right inferior temporal cortex gyrus	-0.059	0.006	0.115	0.229	1400	1488
Right posterior cingulate cortex	-0.057	0.006	0.128	0.243	1427	1492
Right pars triangularis	-0.056	0.006	0.133	0.244	1423	1462
Left supramarginal gyrus	-0.052	0.006	0.185	0.308	1310	1363
Right isthmus cingulate cortex	-0.052	0.007	0.163	0.285	1429	1496
Left lingual gyrus	-0.052	0.005	0.160	0.285	1427	1490
Left pars orbitalis	-0.050	0.008	0.181	0.308	1431	1489
Left frontal pole	-0.048	0.012	0.194	0.315	1435	1490
Right superior parietal cortex	-0.047	0.005	0.215	0.341	1411	1468
Right lingual gyrus	-0.044	0.005	0.240	0.373	1433	1492
Left cuneus	-0.042	0.005	0.258	0.393	1404	1465
Right superior frontal gyrus	-0.038	0.006	0.309	0.450	1410	1478
Right caudal anterior cingulate cortex	-0.038	0.009	0.305	0.450	1422	1482
Right precentral gyrus	-0.037	0.005	0.328	0.469	1405	1454
Right cuneus	-0.033	0.005	0.374	0.503	1401	1464
Left pars triangularis	-0.032	0.006	0.387	0.511	1434	1491
Right transverse temporal cortex	-0.024	0.008	0.516	0.657	1434	1496
Left postcentral gyrus	-0.023	0.004	0.545	0.669	1403	1465
Left precentral gyrus	-0.023	0.005	0.532	0.665	1408	1471
Left paracentral lobule	-0.013	0.006	0.729	0.823	1430	1490
Left superior temporal gyrus	-0.007	0.006	0.863	0.929	1296	1331
Left transverse temporal cortex	-0.004	0.008	0.912	0.939	1433	1493
Left caudal anterior cingulate cortex	0.003	0.011	0.930	0.943	1415	1473
Right supramarginal gyrus	0.003	0.005	0.946	0.946	1321	1388
Right banks superior temporal sulcus	0.005	0.007	0.893	0.933	1321	1390
Right rostral anterior cingulate cortex	0.005	0.009	0.892	0.933	1413	1474
Right paracentral lobule	0.009	0.006	0.811	0.886	1432	1493
Left pericalcarine gyrus	0.011	0.005	0.768	0.854	1406	1482
Right entorhinal cortex	0.014	0.016	0.719	0.823	1244	1334
Right superior temporal gyrus	0.014	0.006	0.727	0.823	1316	1380
Right temporal pole	0.015	0.014	0.687	0.815	1430	1463
Right frontal pole	0.021	0.012	0.576	0.695	1434	1495
Right pericalcarine gyrus	0.025	0.005	0.513	0.657	1409	1477
Left temporal pole	0.034	0.013	0.354	0.486	1435	1493
Right postcentral gyrus	0.036	0.005	0.336	0.470	1414	1473

**TABLE S5:** Full mega-analytic results for surface area of each structure for the adult OCD patients compared with adult healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (OCD vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
<b>Left transverse temporal cortex</b>	-0.164	2.653	1.071E-05	0.001	1431	1492
<b>Right superior temporal gyrus</b>	-0.110	11.489	0.005	0.120	1314	1379
<b>Right transverse temporal cortex</b>	-0.104	1.958	0.005	0.120	1432	1495
<b>Left pars triangularis</b>	-0.095	6.525	0.011	0.188	1432	1490
<b>Left pars opercularis</b>	-0.087	9.133	0.020	0.275	1425	1488
<b>Right supramarginal gyrus</b>	-0.079	16.193	0.042	0.473	1319	1387
<b>Left superior temporal gyrus</b>	-0.071	13.374	0.072	0.543	1294	1330
<b>Left postcentral gyrus</b>	-0.071	14.638	0.059	0.543	1401	1464
<b>Right posterior cingulate cortex</b>	-0.069	5.930	0.066	0.543	1425	1491
<b>Right superior frontal gyrus</b>	-0.061	21.881	0.104	0.673	1408	1477
<b>Right rostral anterior cingulate cortex</b>	-0.060	4.450	0.109	0.673	1411	1474
<b>Left superior frontal gyrus</b>	-0.058	21.708	0.126	0.716	1411	1436
<b>Left surface area</b>	-0.057	172.323	0.123	1.000	1433	1497
<b>Left supramarginal gyrus</b>	-0.055	17.287	0.161	0.726	1308	1362
<b>Left superior parietal cortex</b>	-0.049	19.552	0.194	0.726	1415	1468
<b>Left insula</b>	-0.049	7.277	0.187	0.726	1412	1470
<b>Right caudal anterior cingulate cortex</b>	-0.048	5.283	0.203	0.726	1420	1481
<b>Left lateral orbitofrontal cortex</b>	-0.048	8.563	0.193	0.726	1431	1493
<b>Left lateral occipital cortex</b>	-0.045	17.391	0.232	0.787	1417	1479
<b>Left caudal middle frontal gyrus</b>	-0.040	11.981	0.287	0.878	1427	1477
<b>Right pars opercularis</b>	-0.039	7.758	0.299	0.878	1416	1478
<b>Right surface area</b>	-0.036	174.066	0.335	1.000	1434	1495
<b>Left frontal pole</b>	-0.034	1.225	0.364	0.878	1433	1489
<b>Right superior parietal cortex</b>	-0.034	19.048	0.366	0.878	1409	1467
<b>Right pericalcarine gyrus</b>	-0.034	8.033	0.363	0.878	1407	1476

Left pars orbitalis	-0.032	2.667	0.395	0.878	1429	1488
Right pars triangularis	-0.032	8.146	0.387	0.878	1421	1461
Right middle temporal gyrus	-0.032	11.975	0.387	0.878	1401	1467
Right isthmus cingulate cortex	-0.030	4.964	0.415	0.878	1427	1495
Left lingual gyrus	-0.026	13.305	0.479	0.878	1425	1489
Left posterior cingulate cortex	-0.025	5.628	0.494	0.878	1429	1491
Right lateral occipital cortex	-0.024	17.907	0.526	0.878	1419	1478
Right insula	-0.024	7.970	0.523	0.878	1413	1461
Left cuneus	-0.023	6.747	0.536	0.878	1402	1464
Left inferior temporal cortex gyrus	-0.023	14.447	0.536	0.878	1382	1469
Right entorhinal cortex	-0.021	4.552	0.595	0.894	1242	1333
Left isthmus cingulate cortex	-0.020	5.553	0.593	0.894	1429	1491
Right cuneus	-0.017	6.643	0.658	0.894	1399	1463
Left paracentral lobule	-0.016	5.992	0.672	0.896	1428	1489
Left pericalcarine gyrus	-0.014	7.519	0.713	0.927	1404	1481
Left entorhinal cortex	-0.013	2.827	0.742	0.927	1316	1381
Right postcentral gyrus	-0.013	14.127	0.725	0.927	1412	1472
Right lingual gyrus	-0.011	12.633	0.760	0.927	1431	1491
Right precuneus	-0.008	14.302	0.828	0.960	1427	1490
Right precentral gyrus	-0.007	16.586	0.849	0.962	1403	1453
Right fusiform gyrus	-0.005	12.499	0.901	0.982	1426	1459
Right caudal middle frontal gyrus	-0.005	12.159	0.885	0.982	1421	1484
Left rostral anterior cingulate cortex	-0.004	4.868	0.910	0.982	1413	1472
Left medial orbitofrontal cortex	-0.003	7.493	0.938	0.984	1428	1489
Left temporal pole	-0.001	2.157	0.988	0.991	1434	1492
Left rostral middle frontal gyrus	<0.001	20.755	0.991	0.991	1427	1484
Left precentral gyrus	0.002	15.082	0.951	0.984	1406	1470
Right pars orbitalis	0.002	3.308	0.955	0.984	1429	1494
Left middle temporal gyrus	0.008	12.096	0.830	0.960	1319	1366



Right lateral orbitofrontal cortex	0.008	9.303	0.833	0.960	1429	1496
Right rostral middle frontal gyrus	0.011	21.232	0.763	0.927	1422	1492
Right parahippocampal gyrus	0.017	3.394	0.640	0.894	1418	1486
Left caudal anterior cingulate cortex	0.017	4.565	0.646	0.894	1413	1472
Right frontal pole	0.017	1.555	0.649	0.894	1432	1494
Right inferior temporal cortex gyrus	0.018	13.800	0.629	0.894	1399	1487
Left banks superior temporal sulcus	0.022	5.722	0.580	0.894	1282	1356
Right temporal pole	0.023	2.203	0.542	0.878	1428	1462
Right banks superior temporal sulcus	0.027	4.732	0.478	0.878	1319	1389
Left fusiform gyrus	0.028	12.950	0.451	0.878	1426	1487
Right paracentral lobule	0.028	6.999	0.460	0.878	1430	1492
Right medial orbitofrontal cortex	0.030	6.213	0.421	0.878	1426	1487
Left precuneus	0.034	13.018	0.357	0.878	1424	1492
Left inferior parietal cortex	0.036	19.456	0.346	0.878	1363	1433
Left parahippocampal gyrus	0.051	3.563	0.175	0.726	1422	1488
Right inferior parietal cortex	0.055	21.798	0.148	0.726	1377	1451

**TABLE S6:** Full mega-analytic results for cortical thickness of each structure for the pediatric OCD patients compared with pediatric healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (OCD vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
<b>Left inferior parietal cortex</b>	-0.305	0.012	9.603E-05	0.007	301	385
<b>Right superior parietal cortex</b>	-0.269	0.011	<0.001	0.015	320	401
<b>Left lateral occipital cortex</b>	-0.256	0.010	0.001	0.018	319	402
<b>Left superior parietal cortex</b>	-0.241	0.011	0.002	0.027	317	402
<b>Right inferior parietal cortex</b>	-0.225	0.012	0.004	0.050	309	392
<b>Left precuneus</b>	-0.207	0.011	0.006	0.075	320	403
<b>Left cuneus</b>	-0.184	0.011	0.015	0.154	320	403
<b>Right lateral occipital cortex</b>	-0.163	0.010	0.032	0.257	321	401
<b>Left cortical thickness</b>	-0.161	0.008	0.033	0.257	324	407
<b>Right cuneus</b>	-0.157	0.012	0.038	0.269	323	401
<b>Left supramarginal gyrus</b>	-0.152	0.012	0.053	0.297	299	383
<b>Right precuneus</b>	-0.152	0.011	0.044	0.281	324	400
<b>Right cortical thickness</b>	-0.144	0.008	0.055	0.297	324	407
<b>Left pericalcarine gyrus</b>	-0.143	0.011	0.059	0.297	320	402
<b>Right caudal middle frontal gyrus</b>	-0.133	0.014	0.079	0.352	318	399
<b>Left posterior cingulate cortex</b>	-0.132	0.014	0.083	0.352	320	401
<b>Left banks superior temporal sulcus</b>	-0.130	0.016	0.100	0.372	297	370
<b>Right pericalcarine gyrus</b>	-0.130	0.011	0.086	0.352	323	401
<b>Left isthmus cingulate cortex</b>	-0.124	0.017	0.101	0.372	322	399
<b>Left paracentral lobule</b>	-0.110	0.014	0.147	0.515	321	403
<b>Right banks superior temporal sulcus</b>	-0.110	0.016	0.158	0.527	298	384
<b>Right posterior cingulate cortex</b>	-0.101	0.013	0.184	0.545	322	400
<b>Left precentral gyrus</b>	-0.099	0.011	0.195	0.545	313	397
<b>Left transverse temporal cortex</b>	-0.098	0.017	0.193	0.545	322	404
<b>Right postcentral gyrus</b>	-0.096	0.010	0.214	0.554	309	393

Left fusiform gyrus	-0.092	0.011	0.230	0.575	314	399
Right insula	-0.089	0.015	0.249	0.594	312	389
Left inferior temporal cortex gyrus	-0.085	0.014	0.265	0.594	315	398
Left postcentral gyrus	-0.085	0.010	0.267	0.594	312	391
Left middle temporal gyrus	-0.083	0.015	0.283	0.594	309	389
Right inferior temporal cortex gyrus	-0.083	0.014	0.275	0.594	320	395
Right precentral gyrus	-0.079	0.012	0.300	0.594	312	395
Right middle temporal gyrus	-0.078	0.014	0.315	0.594	307	391
Right rostral middle frontal gyrus	-0.076	0.012	0.319	0.594	317	404
Left medial orbitofrontal cortex	-0.075	0.015	0.325	0.594	320	400
Right supramarginal gyrus	-0.073	0.012	0.346	0.594	303	387
Right rostral anterior cingulate cortex	-0.072	0.022	0.347	0.594	310	398
Right paracentral lobule	-0.071	0.013	0.348	0.594	323	403
Left lingual gyrus	-0.068	0.010	0.370	0.601	321	403
Right parahippocampal gyrus	-0.068	0.022	0.371	0.601	317	394
Right fusiform gyrus	-0.067	0.011	0.378	0.601	314	398
Left pars opercularis	-0.063	0.013	0.405	0.614	319	399
Right superior frontal gyrus	-0.061	0.014	0.430	0.614	310	396
Left caudal middle frontal gyrus	-0.060	0.013	0.428	0.614	321	405
Left superior frontal gyrus	-0.060	0.013	0.428	0.614	316	397
Right pars triangularis	-0.056	0.014	0.457	0.640	321	402
Right pars orbitalis	-0.047	0.019	0.537	0.737	322	404
Left entorhinal cortex	-0.045	0.030	0.572	0.747	287	370
Left frontal pole	-0.044	0.028	0.556	0.747	323	405
Left parahippocampal gyrus	-0.039	0.024	0.612	0.749	317	395
Right pars opercularis	-0.039	0.014	0.610	0.749	316	400
Right superior temporal gyrus	-0.038	0.014	0.624	0.749	298	388
Right isthmus cingulate cortex	-0.036	0.017	0.631	0.749	322	399
Left rostral middle frontal gyrus	-0.026	0.012	0.731	0.839	321	406

Right transverse temporal cortex	-0.022	0.018	0.767	0.865	320	406
Right entorhinal cortex	-0.019	0.031	0.818	0.888	276	349
Left pars orbitalis	-0.017	0.020	0.824	0.888	322	403
Left pars triangularis	-0.009	0.014	0.906	0.947	321	403
Left insula	-0.004	0.013	0.953	0.967	315	389
Left caudal anterior cingulate cortex	0.002	0.022	0.983	0.983	316	396
Right lingual gyrus	0.006	0.011	0.936	0.963	323	406
Left superior temporal gyrus	0.012	0.014	0.873	0.926	304	381
Right temporal pole	0.021	0.033	0.778	0.865	322	398
Left temporal pole	0.029	0.032	0.707	0.824	321	399
Right lateral orbitofrontal cortex	0.040	0.014	0.597	0.749	322	405
Right frontal pole	0.042	0.028	0.576	0.747	319	406
Right caudal anterior cingulate cortex	0.065	0.021	0.398	0.614	310	401
Left rostral anterior cingulate cortex	0.077	0.021	0.316	0.594	316	395
Right medial orbitofrontal cortex	0.096	0.016	0.208	0.554	319	397
Left lateral orbitofrontal cortex	0.099	0.014	0.190	0.545	324	406

**TABLE S7:** Full mega-analytic results for surface area of each structure for the pediatric OCD patients compared with pediatric healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (OCD vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
<b>Right medial orbitofrontal cortex</b>	-0.252	14.237	0.001	0.065	319	396
<b>Left posterior cingulate cortex</b>	-0.230	12.640	0.002	0.075	320	400
<b>Right paracentral lobule</b>	-0.223	15.262	0.003	0.075	323	402
<b>Left inferior parietal cortex</b>	-0.188	39.699	0.016	0.178	301	384
<b>Left medial orbitofrontal cortex</b>	-0.188	16.601	0.013	0.178	320	399
<b>Right superior frontal gyrus</b>	-0.185	49.874	0.016	0.178	310	395
<b>Left lateral orbitofrontal cortex</b>	-0.178	20.676	0.018	0.178	324	405
<b>Left paracentral lobule</b>	-0.171	13.115	0.024	0.193	321	402
<b>Left rostral middle frontal gyrus</b>	-0.168	46.435	0.026	0.193	321	405
<b>Right posterior cingulate cortex</b>	-0.166	12.250	0.028	0.193	322	399
<b>Right rostral middle frontal gyrus</b>	-0.155	48.719	0.042	0.260	317	403
<b>Left superior frontal gyrus</b>	-0.145	46.383	0.057	0.324	316	396
<b>Right fusiform gyrus</b>	-0.132	26.069	0.085	0.363	314	397
<b>Left postcentral gyrus</b>	-0.129	31.244	0.093	0.363	312	390
<b>Right cuneus</b>	-0.126	15.249	0.096	0.363	323	400
<b>Left caudal anterior cingulate cortex</b>	-0.118	9.887	0.123	0.414	316	395
<b>Left rostral anterior cingulate cortex</b>	-0.118	10.890	0.122	0.414	316	394
<b>Right pars orbitalis</b>	-0.115	7.266	0.130	0.414	322	403
<b>Right surface area</b>	-0.115	383.996	0.128	1.000	324	406
<b>Left pars orbitalis</b>	-0.113	5.994	0.134	0.414	322	402
<b>Left insula</b>	-0.107	15.643	0.162	0.479	315	388
<b>Left middle temporal gyrus</b>	-0.102	24.564	0.187	0.484	309	388
<b>Right lateral occipital cortex</b>	-0.102	38.143	0.177	0.484	321	400
<b>Right pars triangularis</b>	-0.099	16.999	0.192	0.484	321	401
<b>Right lateral orbitofrontal cortex</b>	-0.099	21.195	0.189	0.484	322	404

Left surface area	-0.097	377.027	0.198	1.000	324	406
Left cuneus	-0.095	14.400	0.210	0.507	320	402
Left pericalcarine gyrus	-0.094	16.670	0.216	0.507	320	401
Right superior parietal cortex	-0.083	41.807	0.275	0.623	320	400
Left precuneus	-0.080	29.526	0.294	0.644	320	402
Right inferior parietal cortex	-0.072	46.695	0.352	0.725	309	391
Left pars opercularis	-0.065	18.873	0.393	0.752	319	398
Left superior parietal cortex	-0.065	42.003	0.391	0.752	317	401
Right lingual gyrus	-0.064	29.174	0.398	0.752	323	405
Right pericalcarine gyrus	-0.052	17.700	0.496	0.890	323	400
Right parahippocampal gyrus	-0.045	7.552	0.552	0.904	317	393
Right postcentral gyrus	-0.042	30.293	0.586	0.904	309	392
Left lingual gyrus	-0.040	29.503	0.600	0.904	321	402
Right middle temporal gyrus	-0.038	27.178	0.618	0.904	307	390
Right superior temporal gyrus	-0.034	25.066	0.663	0.904	298	387
Right pars opercularis	-0.034	15.820	0.653	0.904	316	399
Right supramarginal gyrus	-0.033	35.656	0.672	0.904	303	386
Right insula	-0.031	16.273	0.685	0.904	312	388
Left precentral gyrus	-0.029	31.244	0.704	0.904	313	396
Left banks superior temporal sulcus	-0.029	12.956	0.711	0.904	297	369
Left fusiform gyrus	-0.027	27.440	0.722	0.904	314	398
Left caudal middle frontal gyrus	-0.016	26.515	0.832	0.925	321	404
Left frontal pole	-0.014	2.710	0.857	0.925	323	404
Right precuneus	-0.007	31.086	0.924	0.952	324	399
Left superior temporal gyrus	-0.006	27.394	0.943	0.958	304	380
Right caudal anterior cingulate cortex	-0.002	10.340	0.977	0.977	310	400
Right rostral anterior cingulate cortex	0.010	9.238	0.892	0.938	310	397
Right temporal pole	0.010	4.670	0.896	0.938	322	397
Left lateral occipital cortex	0.015	36.991	0.844	0.925	319	401

Right inferior temporal cortex gyrus	0.017	30.328	0.819	0.925	320	394
Left entorhinal cortex	0.017	6.003	0.827	0.925	287	369
Right precentral gyrus	0.018	30.732	0.819	0.925	312	394
Right caudal middle frontal gyrus	0.019	25.807	0.799	0.925	318	398
Left parahippocampal gyrus	0.022	7.946	0.769	0.925	317	394
Right banks superior temporal sulcus	0.027	10.036	0.731	0.904	298	383
Left transverse temporal cortex	0.033	5.068	0.664	0.904	322	403
Left pars triangularis	0.040	13.893	0.596	0.904	321	402
Left inferior temporal cortex gyrus	0.040	32.639	0.601	0.904	315	397
Right isthmus cingulate cortex	0.040	10.204	0.602	0.904	322	398
Right transverse temporal cortex	0.048	4.252	0.527	0.904	320	405
Left supramarginal gyrus	0.053	36.240	0.497	0.890	299	382
Right entorhinal cortex	0.076	6.186	0.352	0.725	276	348
Left isthmus cingulate cortex	0.129	11.488	0.090	0.363	322	399
Right frontal pole	0.131	3.344	0.083	0.363	319	405
Left temporal pole	0.131	4.884	0.085	0.363	321	398

**TABLE S8a:** Full mega-analytic results for cortical thickness of each structure for the adult medicated OCD patients compared with adult healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (Med vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
<b>Left cortical thickness</b>	-0.257	0.005	7.909E-08	5.536E-06	1435	647
<b>Right cortical thickness</b>	-0.241	0.005	4.731E-07	1.656E-05	1435	644
<b>Right caudal middle frontal gyrus</b>	-0.235	0.008	1.001E-06	2.336E-05	1423	644
<b>Left superior frontal gyrus</b>	-0.231	0.008	2.146E-06	3.004E-05	1413	615
<b>Left fusiform gyrus</b>	-0.227	0.008	2.102E-06	3.004E-05	1428	645
<b>Left caudal middle frontal gyrus</b>	-0.224	0.008	3.016E-06	3.519E-05	1429	643
<b>Left rostral middle frontal gyrus</b>	-0.223	0.007	3.668E-06	3.668E-05	1429	638
<b>Left inferior parietal cortex</b>	-0.222	0.007	5.804E-06	4.514E-05	1364	616
<b>Right inferior parietal cortex</b>	-0.219	0.007	7.313E-06	4.654E-05	1379	623
<b>Right middle temporal gyrus</b>	-0.218	0.008	7.202E-06	4.654E-05	1402	629
<b>Right lateral orbitofrontal cortex</b>	-0.217	0.009	5.619E-06	4.514E-05	1431	647
<b>Left middle temporal gyrus</b>	-0.215	0.009	1.901E-05	1.023E-04	1320	581
<b>Right fusiform gyrus</b>	-0.211	0.008	1.232E-05	7.186E-05	1428	632
<b>Right precuneus</b>	-0.204	0.007	2.070E-05	1.035E-04	1429	643
<b>Left inferior temporal cortex gyrus</b>	-0.202	0.009	3.097E-05	1.376E-04	1383	628
<b>Right medial orbitofrontal cortex</b>	-0.200	0.010	3.145E-05	1.376E-04	1428	642
<b>Right superior frontal gyrus</b>	-0.197	0.008	4.410E-05	1.715E-04	1410	639
<b>Right inferior temporal cortex gyrus</b>	-0.197	0.009	4.371E-05	1.715E-04	1400	639
<b>Left lateral orbitofrontal cortex</b>	-0.194	0.009	4.925E-05	1.815E-04	1433	643
<b>Left pars opercularis</b>	-0.189	0.008	8.051E-05	2.818E-04	1427	642
<b>Right rostral middle frontal gyrus</b>	-0.185	0.007	1.139E-04	3.798E-04	1424	645
<b>Left lingual gyrus</b>	-0.184	0.007	1.242E-04	3.952E-04	1427	642
<b>Right pars triangularis</b>	-0.183	0.008	1.517E-04	4.424E-04	1423	633
<b>Right pars orbitalis</b>	-0.182	0.011	1.444E-04	4.396E-04	1431	647



Left isthmus cingulate cortex	-0.181	0.011	1.611E-04	4.511E-04	1431	643
Left medial orbitofrontal cortex	-0.179	0.009	1.912E-04	0.001	1430	642
Left precuneus	-0.175	0.007	2.700E-04	0.001	1426	644
Right posterior cingulate cortex	-0.168	0.009	4.299E-04	0.001	1427	646
Left supramarginal gyrus	-0.155	0.008	0.002	0.005	1310	594
Left lateral occipital cortex	-0.148	0.007	0.002	0.005	1419	637
Right precentral gyrus	-0.144	0.007	0.003	0.006	1405	630
Left banks superior temporal sulcus	-0.144	0.010	0.004	0.009	1284	573
Left frontal pole	-0.143	0.016	0.003	0.006	1435	644
Left posterior cingulate cortex	-0.140	0.008	0.003	0.007	1431	642
Right pars opercularis	-0.140	0.008	0.004	0.007	1418	637
Right parahippocampal gyrus	-0.137	0.014	0.004	0.008	1420	642
Right superior parietal cortex	-0.131	0.007	0.007	0.013	1411	630
Left superior parietal cortex	-0.130	0.006	0.007	0.013	1417	631
Left insula	-0.128	0.009	0.008	0.015	1414	633
Right lateral occipital cortex	-0.127	0.007	0.009	0.015	1421	634
Right supramarginal gyrus	-0.125	0.008	0.012	0.019	1321	599
Left precentral gyrus	-0.125	0.007	0.009	0.016	1408	635
Left pars triangularis	-0.123	0.008	0.010	0.017	1434	644
Right isthmus cingulate cortex	-0.121	0.010	0.011	0.018	1429	647
Left entorhinal cortex	-0.120	0.020	0.017	0.025	1318	587
Left parahippocampal gyrus	-0.119	0.016	0.013	0.020	1424	641
Right lingual gyrus	-0.117	0.007	0.014	0.022	1433	642
Left pars orbitalis	-0.114	0.012	0.017	0.025	1431	643
Right insula	-0.113	0.010	0.019	0.028	1415	628
Left superior temporal gyrus	-0.110	0.009	0.031	0.043	1296	564
Right entorhinal cortex	-0.109	0.022	0.033	0.045	1244	560

<b>Left rostral anterior cingulate cortex</b>	-0.107	0.013	0.027	0.038	1415	630
<b>Left paracentral lobule</b>	-0.102	0.008	0.034	0.045	1430	643
<b>Right caudal anterior cingulate cortex</b>	-0.092	0.013	0.055	0.072	1422	641
<b>Right banks superior temporal sulcus</b>	-0.075	0.010	0.136	0.170	1321	586
<b>Left cuneus</b>	-0.074	0.007	0.127	0.162	1404	623
<b>Left postcentral gyrus</b>	-0.069	0.006	0.152	0.187	1403	631
<b>Right cuneus</b>	-0.068	0.007	0.163	0.193	1401	619
<b>Right superior temporal gyrus</b>	-0.068	0.009	0.176	0.205	1316	582
<b>Left caudal anterior cingulate cortex</b>	-0.068	0.015	0.158	0.191	1415	630
<b>Right frontal pole</b>	-0.064	0.016	0.179	0.206	1434	646
<b>Right temporal pole</b>	-0.061	0.020	0.206	0.233	1430	636
<b>Right paracentral lobule</b>	-0.059	0.008	0.218	0.242	1432	645
<b>Right transverse temporal cortex</b>	-0.042	0.011	0.376	0.411	1434	647
<b>Left temporal pole</b>	-0.031	0.018	0.511	0.551	1435	645
<b>Right rostral anterior cingulate cortex</b>	-0.018	0.013	0.702	0.745	1413	635
<b>Left transverse temporal cortex</b>	-0.015	0.011	0.760	0.794	1433	644
<b>Right postcentral gyrus</b>	-0.006	0.006	0.893	0.919	1414	642
<b>Left pericalcarine gyrus</b>	-0.002	0.007	0.969	0.983	1406	635
<b>Right pericalcarine gyrus</b>	<0.001	0.007	0.992	0.992	1409	631

**TABLE S8b:** Full mega-analytic results for cortical thickness of each structure for the adult unmedicated OCD patients compared with adult healthy controls, controlling for age, sex and scan center.

	Cohen's d <sup>a</sup> (OCD vs HC)	Standard Error	P-value	FDR P-value	N controls	N patients
Right inferior parietal cortex	-0.065	0.006	0.142	0.767	1379	812
Left inferior parietal cortex	-0.048	0.006	0.286	0.841	1364	799
Left rostral anterior cingulate cortex	-0.046	0.011	0.293	0.841	1415	824
Right parahippocampal gyrus	-0.036	0.012	0.410	0.896	1420	828
Left entorhinal cortex	-0.035	0.017	0.439	0.930	1318	776
Left precuneus	-0.027	0.006	0.535	0.965	1426	830
Left lateral orbitofrontal cortex	-0.026	0.007	0.548	0.965	1433	832
Right medial orbitofrontal cortex	-0.022	0.008	0.622	0.965	1428	826
Right lateral occipital cortex	-0.020	0.006	0.657	0.965	1421	826
Right lateral orbitofrontal cortex	-0.019	0.008	0.668	0.965	1431	831
Right rostral middle frontal gyrus	-0.015	0.006	0.726	0.965	1424	829
Left cuneus	-0.014	0.006	0.750	0.965	1404	823
Left parahippocampal gyrus	-0.013	0.014	0.772	0.965	1424	829
Left pars opercularis	-0.013	0.007	0.772	0.965	1427	828
Left posterior cingulate cortex	-0.013	0.007	0.760	0.965	1431	831
Right insula	-0.005	0.008	0.909	0.975	1415	815
Left fusiform gyrus	-0.002	0.006	0.961	0.975	1428	825
Right middle temporal gyrus	-0.001	0.007	0.976	0.976	1402	819
Left rostral middle frontal gyrus	0.003	0.006	0.946	0.975	1429	828
Left lateral occipital cortex	0.003	0.006	0.955	0.975	1419	824
Right pars opercularis	0.004	0.007	0.921	0.975	1418	822
Right fusiform gyrus	0.004	0.007	0.932	0.975	1428	809
Right pars orbitalis	0.006	0.010	0.891	0.975	1431	829
Left medial orbitofrontal cortex	0.008	0.008	0.850	0.965	1430	829
Right transverse temporal cortex	0.008	0.010	0.855	0.965	1434	830

Left transverse temporal cortex	0.009	0.010	0.833	0.965	1433	830
Right cuneus	0.009	0.006	0.837	0.965	1401	827
Left insula	0.009	0.007	0.840	0.965	1414	819
Right precuneus	0.010	0.006	0.824	0.965	1429	829
Left middle temporal gyrus	0.010	0.008	0.831	0.965	1320	769
Left banks superior temporal sulcus	0.013	0.008	0.779	0.965	1284	767
Left pars orbitalis	0.013	0.010	0.771	0.965	1431	827
Left superior parietal cortex	0.013	0.005	0.776	0.965	1417	821
Right caudal anterior cingulate cortex	0.015	0.011	0.728	0.965	1422	823
Left frontal pole	0.019	0.014	0.667	0.965	1435	827
Left caudal middle frontal gyrus	0.023	0.007	0.601	0.965	1429	816
Left isthmus cingulate cortex	0.023	0.009	0.603	0.965	1431	830
Right lingual gyrus	0.024	0.006	0.586	0.965	1433	831
Right isthmus cingulate cortex	0.024	0.009	0.587	0.965	1429	831
Left postcentral gyrus	0.027	0.005	0.544	0.965	1403	818
Left inferior temporal cortex gyrus	0.029	0.007	0.517	0.965	1383	823
Left cortical thickness	0.030	0.004	0.490	0.965	1435	832
Right inferior temporal cortex gyrus	0.037	0.007	0.405	0.896	1400	830
Right rostral anterior cingulate cortex	0.040	0.011	0.368	0.858	1413	821
Left pericalcarine gyrus	0.041	0.006	0.349	0.843	1406	828
Left pars triangularis	0.041	0.007	0.349	0.843	1434	828
Right cortical thickness	0.042	0.004	0.343	0.843	1435	830
Right superior parietal cortex	0.044	0.006	0.319	0.843	1411	820
Right precentral gyrus	0.046	0.006	0.300	0.841	1405	807
Left supramarginal gyrus	0.050	0.007	0.281	0.841	1310	754
Right pericalcarine gyrus	0.051	0.006	0.252	0.840	1409	828
Right pars triangularis	0.053	0.007	0.229	0.801	1423	810
Left paracentral lobule	0.053	0.007	0.226	0.801	1430	828
Left lingual gyrus	0.054	0.006	0.223	0.801	1427	829

<b>Right caudal middle frontal gyrus</b>	0.056	0.007	0.202	0.801	1423	823
<b>Left caudal anterior cingulate cortex</b>	0.058	0.013	0.191	0.801	1415	824
<b>Right posterior cingulate cortex</b>	0.061	0.007	0.163	0.797	1427	828
<b>Left superior frontal gyrus</b>	0.061	0.007	0.171	0.797	1413	803
<b>Left precentral gyrus</b>	0.066	0.006	0.137	0.767	1408	818
<b>Right banks superior temporal sulcus</b>	0.072	0.008	0.114	0.723	1321	786
<b>Right paracentral lobule</b>	0.073	0.007	0.096	0.723	1432	829
<b>Right temporal pole</b>	0.074	0.018	0.095	0.723	1430	808
<b>Left superior temporal gyrus</b>	0.074	0.008	0.110	0.723	1296	751
<b>Right frontal pole</b>	0.079	0.014	0.071	0.712	1434	830
<b>Right superior temporal gyrus</b>	0.084	0.007	0.065	0.712	1316	781
<b>Left temporal pole</b>	0.088	0.016	0.044	0.675	1435	829
<b>Right superior frontal gyrus</b>	0.088	0.007	0.048	0.675	1410	821
<b>Right postcentral gyrus</b>	0.090	0.006	0.042	0.675	1414	815
<b>Right entorhinal cortex</b>	0.092	0.019	0.048	0.675	1244	758
<b>Right supramarginal gyrus</b>	0.126	0.006	0.006	0.407	1321	773

**TABLE S8c:** Full mega-analytic results for cortical thickness of each structure for the adult medicated OCD patients compared with adult unmedicated patients, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (NoMed vs Med)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N medicated</b>	<b>N unmedicated</b>
Right caudal middle frontal gyrus	-0.211	0.011	7.445E-05	0.005	643	822
Left middle temporal gyrus	-0.192	0.012	0.001	0.010	580	768
Left superior frontal gyrus	-0.190	0.011	4.645E-04	0.010	614	802
Left cortical thickness	-0.186	0.007	4.714E-04	0.010	646	831
Left superior temporal gyrus	-0.177	0.012	0.002	0.012	563	750
Right pars triangularis	-0.174	0.011	0.001	0.012	632	809
Left rostral middle frontal gyrus	-0.172	0.010	0.001	0.012	637	827
Right superior frontal gyrus	-0.170	0.011	0.001	0.012	638	820
Right cortical thickness	-0.168	0.007	0.002	0.012	643	829
Right inferior temporal cortex gyrus	-0.168	0.011	0.002	0.012	638	829
Right supramarginal gyrus	-0.168	0.010	0.002	0.013	598	772
Left caudal middle frontal gyrus	-0.165	0.011	0.002	0.013	642	815
Left precentral gyrus	-0.156	0.010	0.004	0.020	634	817
Right superior temporal gyrus	-0.153	0.012	0.006	0.026	581	780
Right posterior cingulate cortex	-0.152	0.012	0.004	0.021	645	827
Left insula	-0.147	0.012	0.006	0.026	632	818
Left inferior temporal cortex gyrus	-0.146	0.011	0.007	0.026	627	822
Right middle temporal gyrus	-0.146	0.011	0.007	0.026	628	818
Left pars triangularis	-0.143	0.011	0.007	0.026	643	827
Left supramarginal gyrus	-0.142	0.011	0.011	0.036	593	753
Left frontal pole	-0.138	0.021	0.009	0.033	643	826
Right medial orbitofrontal cortex	-0.132	0.013	0.013	0.041	641	825
Right pars orbitalis	-0.131	0.015	0.014	0.042	646	828
Left pars orbitalis	-0.130	0.015	0.015	0.042	642	826
Left isthmus cingulate cortex	-0.129	0.015	0.015	0.042	642	829

Right entorhinal cortex	-0.128	0.028	0.024	0.059	559	757
Left paracentral lobule	-0.125	0.011	0.018	0.049	642	827
Left caudal anterior cingulate cortex	-0.121	0.021	0.024	0.059	629	823
Left fusiform gyrus	-0.118	0.010	0.026	0.063	644	824
Right lateral orbitofrontal cortex	-0.116	0.012	0.029	0.068	646	830
Left inferior parietal cortex	-0.115	0.010	0.035	0.078	615	798
Left medial orbitofrontal cortex	-0.111	0.012	0.037	0.082	641	828
Right fusiform gyrus	-0.111	0.010	0.039	0.083	631	808
Right caudal anterior cingulate cortex	-0.105	0.018	0.050	0.102	640	822
Left pars opercularis	-0.104	0.011	0.051	0.102	641	827
Left parahippocampal gyrus	-0.102	0.022	0.055	0.106	640	828
Right banks superior temporal sulcus	-0.098	0.013	0.075	0.141	585	785
Left temporal pole	-0.092	0.025	0.084	0.154	644	828
Right frontal pole	-0.091	0.021	0.088	0.154	645	829
Right parahippocampal gyrus	-0.091	0.018	0.088	0.154	641	827
Left lingual gyrus	-0.089	0.009	0.095	0.163	641	828
Right inferior parietal cortex	-0.087	0.010	0.107	0.178	622	811
Right precentral gyrus	-0.086	0.010	0.112	0.178	629	806
Right insula	-0.086	0.013	0.110	0.178	627	814
Right precuneus	-0.080	0.010	0.133	0.205	642	828
Right temporal pole	-0.080	0.027	0.134	0.205	635	807
Right superior parietal cortex	-0.078	0.009	0.146	0.217	629	819
Right rostral middle frontal gyrus	-0.076	0.009	0.153	0.224	644	828
Right isthmus cingulate cortex	-0.072	0.014	0.176	0.246	646	830
Left rostral anterior cingulate cortex	-0.072	0.018	0.179	0.246	629	823
Left lateral orbitofrontal cortex	-0.072	0.012	0.173	0.246	642	831
Left banks superior temporal sulcus	-0.065	0.013	0.244	0.316	572	766
Right transverse temporal cortex	-0.063	0.015	0.235	0.310	646	829
Left precuneus	-0.063	0.009	0.233	0.310	643	829

Right paracentral lobule	-0.060	0.011	0.259	0.329	644	828
Right lateral occipital cortex	-0.054	0.010	0.311	0.388	633	825
Left lateral occipital cortex	-0.049	0.010	0.363	0.446	636	823
Right rostral anterior cingulate cortex	-0.047	0.017	0.384	0.456	634	820
Left posterior cingulate cortex	-0.047	0.011	0.377	0.455	641	830
Right pars opercularis	-0.046	0.011	0.393	0.459	636	821
Left superior parietal cortex	-0.044	0.008	0.407	0.467	630	820
Right cuneus	-0.037	0.010	0.495	0.559	618	826
Left postcentral gyrus	-0.023	0.008	0.665	0.735	630	817
Right lingual gyrus	-0.005	0.009	0.927	0.940	641	830
Left entorhinal cortex	0.004	0.027	0.948	0.948	586	775
Left transverse temporal cortex	0.006	0.015	0.917	0.940	643	829
Right postcentral gyrus	0.009	0.008	0.859	0.897	641	814
Right pericalcarine gyrus	0.021	0.009	0.693	0.735	630	827
Left pericalcarine gyrus	0.022	0.009	0.682	0.735	634	827
Left cuneus	0.023	0.009	0.672	0.735	622	822



**TABLE S9a:** Full mega-analytic results for surface area of each structure for the adult medicated OCD patients compared with healthy adult controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (Med vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
<b>Left transverse temporal cortex</b>	-0.196	3.711	4.299E-05	0.003	1431	643
<b>Right transverse temporal cortex</b>	-0.115	2.727	0.017	0.314	1432	646
<b>Right supramarginal gyrus</b>	-0.103	22.389	0.038	0.516	1319	598
<b>Right superior temporal gyrus</b>	-0.093	16.026	0.064	0.625	1314	581
<b>Left postcentral gyrus</b>	-0.076	20.409	0.118	0.774	1401	630
<b>Left superior temporal gyrus</b>	-0.070	19.043	0.168	0.796	1294	563
<b>Left pars triangularis</b>	-0.069	8.937	0.148	0.775	1432	643
<b>Left lingual gyrus</b>	-0.064	18.617	0.180	0.796	1425	641
<b>Right pars triangularis</b>	-0.058	11.107	0.228	0.821	1421	632
<b>Left entorhinal cortex</b>	-0.054	3.982	0.280	0.868	1316	587
<b>Left pars orbitalis</b>	-0.051	3.722	0.286	0.868	1429	642
<b>Left lateral occipital cortex</b>	-0.048	24.549	0.321	0.868	1417	636
<b>Left supramarginal gyrus</b>	-0.043	23.994	0.385	0.868	1308	593
<b>Left pericalcarine gyrus</b>	-0.042	10.541	0.382	0.868	1404	634
<b>Left pars opercularis</b>	-0.040	12.862	0.404	0.868	1425	641
<b>Left superior parietal cortex</b>	-0.039	27.211	0.415	0.868	1415	630
<b>Right pericalcarine gyrus</b>	-0.038	11.238	0.437	0.868	1407	630
<b>Right superior frontal gyrus</b>	-0.031	30.483	0.521	0.909	1408	638
<b>Right lateral occipital cortex</b>	-0.028	25.095	0.557	0.928	1419	633
<b>Left surface area</b>	-0.026	242.713	0.593	1.000	1433	646
<b>Right caudal anterior cingulate cortex</b>	-0.020	7.381	0.682	0.945	1420	640
<b>Right superior parietal cortex</b>	-0.020	26.467	0.673	0.945	1409	629
<b>Left insula</b>	-0.019	10.363	0.696	0.945	1412	632
<b>Right entorhinal cortex</b>	-0.019	6.929	0.707	0.945	1242	559
<b>Right pars opercularis</b>	-0.019	10.725	0.686	0.945	1416	637

Left superior frontal gyrus	-0.017	30.432	0.735	0.945	1411	614
Right middle temporal gyrus	-0.015	16.885	0.759	0.945	1401	629
Right isthmus cingulate cortex	-0.014	6.752	0.773	0.945	1427	646
Left lateral orbitofrontal cortex	-0.012	12.148	0.804	0.945	1431	642
Left caudal middle frontal gyrus	-0.003	16.501	0.947	0.981	1427	642
Left inferior temporal cortex gyrus	-0.002	20.335	0.965	0.981	1382	627
Right lingual gyrus	-0.001	17.446	0.979	0.981	1431	641
Right rostral anterior cingulate cortex	0.001	6.154	0.981	0.981	1411	635
Left cuneus	0.002	9.401	0.961	0.981	1402	622
Right insula	0.002	11.048	0.970	0.981	1413	627
Right pars orbitalis	0.004	4.567	0.931	0.981	1429	646
Left precentral gyrus	0.004	20.774	0.938	0.981	1406	634
Left frontal pole	0.009	1.699	0.858	0.974	1433	643
Right postcentral gyrus	0.009	19.422	0.859	0.974	1412	641
Right precuneus	0.012	19.925	0.803	0.945	1427	642
Right posterior cingulate cortex	0.012	8.239	0.806	0.945	1425	645
Right surface area	0.014	245.340	0.769	1.000	1434	644
Left middle temporal gyrus	0.016	16.875	0.748	0.945	1319	580
Right banks superior temporal sulcus	0.018	6.639	0.715	0.945	1319	585
Right fusiform gyrus	0.018	17.611	0.705	0.945	1426	631
Left banks superior temporal sulcus	0.019	7.901	0.714	0.945	1282	572
Right parahippocampal gyrus	0.022	4.846	0.647	0.945	1418	641
Right inferior temporal cortex gyrus	0.027	19.142	0.569	0.928	1399	638
Left rostral middle frontal gyrus	0.027	29.040	0.573	0.928	1427	637
Left temporal pole	0.031	2.967	0.512	0.909	1434	644
Left precuneus	0.033	18.246	0.492	0.905	1424	643
Left fusiform gyrus	0.035	17.891	0.460	0.868	1426	644
Right lateral orbitofrontal cortex	0.035	12.983	0.460	0.868	1429	646
Right cuneus	0.036	9.417	0.454	0.868	1399	618

Left isthmus cingulate cortex	0.038	7.633	0.422	0.868	1429	642
Right temporal pole	0.041	3.033	0.395	0.868	1428	635
Left paracentral lobule	0.041	8.422	0.395	0.868	1428	642
Right caudal middle frontal gyrus	0.044	16.891	0.362	0.868	1421	643
Right precentral gyrus	0.045	23.234	0.357	0.868	1403	629
Left posterior cingulate cortex	0.046	7.840	0.340	0.868	1429	641
Left medial orbitofrontal cortex	0.058	10.371	0.229	0.821	1428	641
Right paracentral lobule	0.059	9.574	0.220	0.821	1430	644
Right rostral middle frontal gyrus	0.063	29.615	0.187	0.796	1422	644
Left rostral anterior cingulate cortex	0.072	6.884	0.134	0.774	1413	629
Left inferior parietal cortex	0.073	26.953	0.137	0.774	1363	615
Right frontal pole	0.079	2.137	0.098	0.737	1432	645
Left caudal anterior cingulate cortex	0.086	6.299	0.077	0.652	1413	629
Left parahippocampal gyrus	0.090	5.024	0.060	0.625	1422	640
Right medial orbitofrontal cortex	0.113	8.699	0.018	0.314	1426	642
Right inferior parietal cortex	0.118	30.449	0.015	0.314	1377	622

**TABLE S9b:** Full mega-analytic results for surface area of each structure for the adult unmedicated OCD patients compared with adult healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoMed vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
<b>Right posterior cingulate cortex</b>	-0.134	7.202	0.002	0.161	1425	828
<b>Right superior temporal gyrus</b>	-0.117	13.919	0.010	0.233	1314	781
<b>Left transverse temporal cortex</b>	-0.116	3.268	0.008	0.233	1431	830
<b>Left pars triangularis</b>	-0.102	8.058	0.020	0.343	1432	828
<b>Left pars opercularis</b>	-0.098	11.234	0.026	0.360	1425	828
<b>Right transverse temporal cortex</b>	-0.088	2.399	0.046	0.453	1432	830
<b>Left insula</b>	-0.083	8.689	0.061	0.453	1412	819
<b>Left superior frontal gyrus</b>	-0.083	25.958	0.062	0.453	1411	803
<b>Right rostral anterior cingulate cortex</b>	-0.083	5.459	0.060	0.453	1411	821
<b>Left surface area</b>	-0.081	206.324	0.065	1.000	1433	832
<b>Right superior frontal gyrus</b>	-0.081	26.476	0.067	0.453	1408	821
<b>Right surface area</b>	-0.077	208.920	0.078	1.000	1434	832
<b>Left lateral orbitofrontal cortex</b>	-0.073	10.246	0.097	0.602	1431	832
<b>Left posterior cingulate cortex</b>	-0.067	6.908	0.125	0.658	1429	831
<b>Left caudal middle frontal gyrus</b>	-0.064	14.682	0.149	0.658	1427	816
<b>Right supramarginal gyrus</b>	-0.061	19.835	0.185	0.658	1319	773
<b>Left postcentral gyrus</b>	-0.061	17.743	0.170	0.658	1401	818
<b>Left frontal pole</b>	-0.061	1.510	0.166	0.658	1433	827
<b>Right caudal anterior cingulate cortex</b>	-0.060	6.555	0.175	0.658	1420	823
<b>Right cuneus</b>	-0.059	7.910	0.184	0.658	1399	827
<b>Left cuneus</b>	-0.059	8.161	0.180	0.658	1402	823
<b>Left paracentral lobule</b>	-0.056	7.286	0.203	0.658	1428	828
<b>Left supramarginal gyrus</b>	-0.056	21.233	0.223	0.658	1308	754
<b>Left superior temporal gyrus</b>	-0.056	16.149	0.223	0.658	1294	751
<b>Left superior parietal cortex</b>	-0.055	23.977	0.210	0.658	1415	821

Left lateral occipital cortex	-0.050	21.069	0.253	0.718	1417	824
Left rostral anterior cingulate cortex	-0.049	5.917	0.267	0.724	1413	824
Right insula	-0.048	9.888	0.277	0.724	1413	815
Right pericalcarine gyrus	-0.047	9.890	0.288	0.725	1407	828
Left inferior temporal cortex gyrus	-0.045	17.442	0.315	0.727	1382	823
Right caudal middle frontal gyrus	-0.044	14.827	0.320	0.727	1421	823
Right middle temporal gyrus	-0.044	14.508	0.321	0.727	1401	819
Left isthmus cingulate cortex	-0.041	6.780	0.351	0.744	1429	830
Right postcentral gyrus	-0.040	17.527	0.371	0.744	1412	815
Right precentral gyrus	-0.040	19.981	0.368	0.744	1403	807
Right superior parietal cortex	-0.038	23.530	0.396	0.770	1409	820
Right pars opercularis	-0.036	9.485	0.414	0.778	1416	822
Right lateral occipital cortex	-0.035	21.828	0.424	0.778	1419	826
Right precuneus	-0.031	17.459	0.477	0.812	1427	829
Left caudal anterior cingulate cortex	-0.030	5.579	0.501	0.812	1413	824
Right fusiform gyrus	-0.029	15.187	0.510	0.812	1426	809
Right lingual gyrus	-0.029	15.308	0.502	0.812	1431	831
Right medial orbitofrontal cortex	-0.028	7.540	0.526	0.812	1426	826
Left rostral middle frontal gyrus	-0.028	25.429	0.520	0.812	1427	828
Right rostral middle frontal gyrus	-0.028	26.246	0.519	0.812	1422	829
Left temporal pole	-0.027	2.674	0.544	0.812	1434	829
Right frontal pole	-0.026	1.904	0.552	0.812	1432	830
Left medial orbitofrontal cortex	-0.025	9.268	0.573	0.812	1428	829
Right isthmus cingulate cortex	-0.025	6.050	0.565	0.812	1427	831
Right entorhinal cortex	-0.022	5.895	0.640	0.888	1242	758
Left middle temporal gyrus	-0.018	14.794	0.689	0.894	1319	769
Right lateral orbitofrontal cortex	-0.016	11.382	0.710	0.894	1429	831
Left pars orbitalis	-0.012	3.265	0.777	0.943	1429	827
Left pericalcarine gyrus	-0.010	9.182	0.820	0.972	1404	828

Left parahippocampal gyrus	-0.006	4.252	0.884	0.973	1422	829
Right parahippocampal gyrus	-0.005	4.073	0.909	0.973	1418	828
Left lingual gyrus	-0.005	16.262	0.903	0.973	1425	829
Right pars orbitalis	-0.003	4.070	0.938	0.973	1429	829
Right pars triangularis	-0.002	10.141	0.959	0.973	1421	810
Left precentral gyrus	0.000	18.183	0.992	0.992	1406	818
Right paracentral lobule	0.002	8.584	0.956	0.973	1430	829
Right temporal pole	0.003	2.765	0.939	0.973	1428	808
Left inferior parietal cortex	0.006	23.687	0.892	0.973	1363	799
Left banks superior temporal sulcus	0.009	7.018	0.838	0.972	1282	767
Right inferior temporal cortex gyrus	0.009	16.693	0.843	0.972	1399	830
Right inferior parietal cortex	0.014	26.416	0.759	0.939	1377	812
Left entorhinal cortex	0.017	3.412	0.702	0.894	1316	776
Right banks superior temporal sulcus	0.017	5.842	0.705	0.894	1319	786
Left fusiform gyrus	0.018	15.790	0.682	0.894	1426	825
Left precuneus	0.039	15.656	0.372	0.744	1424	830

**TABLE S9c:** Full mega-analytic results for surface area of each structure for the adult medicated OCD patients compared with adult unmedicated patients, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoMed vs Med)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N medicated patients</b>	<b>N unmedicated patients</b>
Left transverse temporal cortex	-0.060	4.927	0.257	0.826	642	829
Left entorhinal cortex	-0.055	5.252	0.318	0.864	586	775
Left superior temporal gyrus	-0.049	24.305	0.390	0.915	562	750
Right pars triangularis	-0.047	15.434	0.382	0.915	631	809
Right rostral anterior cingulate cortex	-0.045	8.329	0.404	0.916	634	820
Right entorhinal cortex	-0.034	6.023	0.543	0.984	558	757
Left precuneus	-0.032	24.437	0.545	0.984	642	829
Right fusiform gyrus	-0.029	23.457	0.583	0.984	630	808
Right paracentral lobule	-0.022	13.318	0.675	0.984	643	828
Right caudal anterior cingulate cortex	-0.022	9.600	0.674	0.984	639	822
Left pars orbitalis	-0.021	4.991	0.694	0.984	641	826
Left superior parietal cortex	-0.017	36.313	0.746	0.984	629	820
Right supramarginal gyrus	-0.016	30.611	0.776	0.984	597	772
Right pars opercularis	-0.012	14.682	0.820	0.984	636	821
Right isthmus cingulate cortex	-0.009	9.550	0.870	0.984	645	830
Left postcentral gyrus	-0.008	27.343	0.883	0.984	629	817
Left supramarginal gyrus	-0.002	32.169	0.976	0.985	592	753
Left lateral occipital cortex	-0.001	31.803	0.985	0.985	635	823
Right parahippocampal gyrus	-0.001	6.285	0.984	0.985	640	827
Right superior parietal cortex	0.003	35.094	0.951	0.985	628	819
Right inferior temporal cortex gyrus	0.004	26.176	0.937	0.985	637	829
Left fusiform gyrus	0.004	24.455	0.938	0.985	643	824
Left banks superior temporal sulcus	0.006	10.913	0.908	0.985	571	766
Right lingual gyrus	0.009	24.350	0.864	0.984	640	830
Left pericalcarine gyrus	0.010	13.924	0.854	0.984	633	827

Left lateral orbitofrontal cortex	0.012	15.917	0.825	0.984	641	831
Left isthmus cingulate cortex	0.013	10.543	0.803	0.984	641	829
Right precuneus	0.014	26.450	0.795	0.984	641	828
Left superior frontal gyrus	0.014	42.027	0.800	0.984	613	802
Right pericalcarine gyrus	0.016	14.717	0.767	0.984	629	827
Right lateral occipital cortex	0.017	33.208	0.745	0.984	632	825
Right insula	0.017	14.617	0.756	0.984	626	814
Left rostral anterior cingulate cortex	0.019	8.984	0.717	0.984	628	823
Left caudal middle frontal gyrus	0.020	22.562	0.709	0.984	641	815
Left lingual gyrus	0.021	24.655	0.691	0.984	640	828
Left paracentral lobule	0.021	11.026	0.699	0.984	641	827
Left medial orbitofrontal cortex	0.022	13.946	0.676	0.984	640	828
Left insula	0.025	13.537	0.638	0.984	631	818
Right superior frontal gyrus	0.026	41.452	0.628	0.984	637	820
Right pars orbitalis	0.028	6.195	0.603	0.984	645	828
Left inferior temporal cortex gyrus	0.037	26.769	0.496	0.984	626	822
Right lateral orbitofrontal cortex	0.038	17.256	0.469	0.984	645	830
Right transverse temporal cortex	0.038	3.618	0.479	0.984	645	829
Left surface area	0.046	324.646	0.389	1.000	645	831
Right banks superior temporal sulcus	0.049	8.830	0.373	0.915	584	785
Right superior temporal gyrus	0.052	21.356	0.347	0.908	580	780
Left pars triangularis	0.054	12.269	0.312	0.864	642	827
Right caudal middle frontal gyrus	0.058	22.780	0.279	0.826	642	822
Right temporal pole	0.060	4.030	0.260	0.826	634	807
Left parahippocampal gyrus	0.060	6.784	0.257	0.826	639	828
Left inferior parietal cortex	0.060	37.052	0.267	0.826	614	798
Left middle temporal gyrus	0.062	22.699	0.268	0.826	579	768
Right posterior cingulate cortex	0.065	11.149	0.223	0.826	644	827
Left pars opercularis	0.069	16.719	0.197	0.826	640	827



<b>Left frontal pole</b>	0.070	2.273	0.188	0.826	642	826
<b>Right inferior parietal cortex</b>	0.071	40.471	0.188	0.826	621	811
<b>Left rostral middle frontal gyrus</b>	0.072	38.444	0.175	0.826	636	827
<b>Left precentral gyrus</b>	0.072	28.805	0.178	0.826	633	817
<b>Right middle temporal gyrus</b>	0.074	22.224	0.165	0.826	628	818
<b>Right surface area</b>	0.074	327.805	0.163	1.000	643	831
<b>Right postcentral gyrus</b>	0.092	25.967	0.085	0.577	640	814
<b>Right frontal pole</b>	0.100	2.957	0.060	0.450	644	829
<b>Right medial orbitofrontal cortex</b>	0.101	11.679	0.057	0.450	641	825
<b>Left posterior cingulate cortex</b>	0.101	10.355	0.058	0.450	640	830
<b>Left cuneus</b>	0.104	12.704	0.053	0.450	621	822
<b>Right rostral middle frontal gyrus</b>	0.110	38.777	0.038	0.450	643	828
<b>Left caudal anterior cingulate cortex</b>	0.113	8.664	0.035	0.450	628	823
<b>Right cuneus</b>	0.114	12.496	0.035	0.450	617	826
<b>Left temporal pole</b>	0.128	4.004	0.016	0.450	643	828
<b>Right precentral gyrus</b>	0.129	31.470	0.017	0.450	628	806

**TABLE S10a:** Full mega-analytic results for cortical thickness of each structure for the pediatric medicated OCD patients compared with pediatric healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (Med vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left lateral occipital cortex	-0.321	0.012	0.001	0.022	319	181
Left inferior parietal cortex	-0.314	0.015	0.001	0.022	301	173
Left superior parietal cortex	-0.309	0.013	0.001	0.022	317	183
Right superior parietal cortex	-0.306	0.014	0.001	0.022	320	182
Right inferior parietal cortex	-0.305	0.015	0.002	0.022	309	176
Right cuneus	-0.255	0.016	0.007	0.081	323	182
Left precuneus	-0.238	0.015	0.012	0.117	320	181
Right lateral occipital cortex	-0.234	0.013	0.013	0.117	321	181
Right precuneus	-0.227	0.014	0.017	0.132	324	177
Right pericalcarine gyrus	-0.211	0.015	0.025	0.175	323	182
Left cortical thickness	-0.196	0.010	0.038	0.240	324	183
Right caudal middle frontal gyrus	-0.192	0.018	0.043	0.248	318	181
Left supramarginal gyrus	-0.183	0.016	0.060	0.300	299	173
Left cuneus	-0.181	0.015	0.056	0.300	320	181
Right posterior cingulate cortex	-0.164	0.017	0.083	0.349	322	182
Left paracentral lobule	-0.159	0.017	0.093	0.349	321	180
Left pericalcarine gyrus	-0.158	0.014	0.097	0.349	320	179
Left posterior cingulate cortex	-0.158	0.018	0.095	0.349	320	181
Right pars opercularis	-0.158	0.018	0.097	0.349	316	178
Left banks superior temporal sulcus	-0.154	0.021	0.124	0.349	297	160
Left middle temporal gyrus	-0.153	0.018	0.114	0.349	309	173
Right paracentral lobule	-0.153	0.017	0.105	0.349	323	181
Left fusiform gyrus	-0.147	0.014	0.122	0.349	314	179
Right cortical thickness	-0.145	0.010	0.124	0.349	324	183
Left precentral gyrus	-0.144	0.014	0.130	0.349	313	182

Right supramarginal gyrus	-0.140	0.015	0.147	0.381	303	176
Left isthmus cingulate cortex	-0.133	0.022	0.161	0.403	322	178
Right banks superior temporal sulcus	-0.131	0.021	0.176	0.411	298	175
Left superior frontal gyrus	-0.129	0.017	0.176	0.411	316	179
Right precentral gyrus	-0.125	0.014	0.189	0.427	312	178
Left caudal anterior cingulate cortex	-0.121	0.027	0.200	0.438	316	181
Left inferior temporal cortex gyrus	-0.117	0.018	0.220	0.454	315	177
Left transverse temporal cortex	-0.115	0.022	0.220	0.454	322	183
Left entorhinal cortex	-0.106	0.038	0.281	0.503	287	172
Left caudal middle frontal gyrus	-0.105	0.016	0.263	0.503	321	183
Left lingual gyrus	-0.104	0.013	0.273	0.503	321	181
Right parahippocampal gyrus	-0.103	0.027	0.278	0.503	317	178
Right middle temporal gyrus	-0.102	0.017	0.285	0.503	307	179
Left pars opercularis	-0.092	0.016	0.334	0.556	319	180
Right inferior temporal cortex gyrus	-0.088	0.017	0.354	0.576	320	178
Left parahippocampal gyrus	-0.059	0.031	0.540	0.772	317	175
Right rostral anterior cingulate cortex	-0.059	0.028	0.537	0.772	310	179
Left postcentral gyrus	-0.054	0.012	0.569	0.796	312	182
Right isthmus cingulate cortex	-0.049	0.022	0.605	0.830	322	180
Right postcentral gyrus	-0.039	0.013	0.686	0.876	309	178
Right superior frontal gyrus	-0.038	0.017	0.688	0.876	310	179
Right lingual gyrus	-0.038	0.013	0.684	0.876	323	182
Left pars orbitalis	-0.033	0.025	0.729	0.895	322	182
Right fusiform gyrus	-0.031	0.014	0.744	0.898	314	179
Left medial orbitofrontal cortex	-0.027	0.019	0.779	0.909	320	179
Right insula	-0.022	0.019	0.818	0.938	312	170
Left superior temporal gyrus	-0.021	0.017	0.832	0.940	304	173
Right superior temporal gyrus	-0.016	0.017	0.865	0.962	298	176
Right rostral middle frontal gyrus	-0.012	0.015	0.901	0.968	317	182

<b>Left rostral middle frontal gyrus</b>	-0.011	0.015	0.909	0.968	321	183
<b>Right entorhinal cortex</b>	-0.010	0.039	0.917	0.968	276	162
<b>Right transverse temporal cortex</b>	-0.004	0.022	0.968	0.968	320	182
<b>Left insula</b>	0.004	0.017	0.964	0.968	315	171
<b>Left frontal pole</b>	0.004	0.034	0.965	0.968	323	183
<b>Right pars triangularis</b>	0.006	0.018	0.952	0.968	321	182
<b>Left rostral anterior cingulate cortex</b>	0.028	0.026	0.769	0.909	316	178
<b>Left pars triangularis</b>	0.034	0.018	0.719	0.895	321	180
<b>Left temporal pole</b>	0.042	0.041	0.659	0.876	321	181
<b>Right temporal pole</b>	0.058	0.041	0.541	0.772	322	182
<b>Right caudal anterior cingulate cortex</b>	0.063	0.027	0.510	0.772	310	181
<b>Right pars orbitalis</b>	0.067	0.024	0.476	0.740	322	182
<b>Right frontal pole</b>	0.083	0.035	0.380	0.604	319	183
<b>Left lateral orbitofrontal cortex</b>	0.098	0.018	0.300	0.511	324	182
<b>Right lateral orbitofrontal cortex</b>	0.100	0.018	0.288	0.503	322	183
<b>Right medial orbitofrontal cortex</b>	0.145	0.020	0.127	0.349	319	178

**TABLE S10b:** Full mega-analytic results for cortical thickness of each structure for the pediatric unmedicated OCD patients compared with pediatric healthy controls, controlling for age, sex and scan center.

	Cohen's d <sup>a</sup> (NoMed vs HC)	Standard Error	P-value	FDR P-value	N controls	N patients
Left inferior parietal cortex	-0.287	0.015	0.002	0.126	301	210
Right superior parietal cortex	-0.228	0.013	0.011	0.379	320	217
Left lateral occipital cortex	-0.207	0.011	0.020	0.474	319	219
Left cuneus	-0.182	0.013	0.041	0.712	320	220
Left precuneus	-0.155	0.014	0.082	0.723	320	220
Left superior parietal cortex	-0.151	0.013	0.091	0.723	317	217
Right inferior parietal cortex	-0.149	0.015	0.098	0.723	309	214
Left posterior cingulate cortex	-0.142	0.017	0.113	0.723	320	218
Right cortical thickness	-0.140	0.010	0.114	0.723	324	222
Right rostral middle frontal gyrus	-0.138	0.015	0.121	0.723	317	220
Left pericalcarine gyrus	-0.137	0.014	0.123	0.723	320	221
Right pars orbitalis	-0.134	0.023	0.131	0.723	322	220
Left cortical thickness	-0.132	0.010	0.134	0.723	324	222
Left banks superior temporal sulcus	-0.123	0.019	0.180	0.723	297	208
Right precuneus	-0.115	0.014	0.196	0.723	324	221
Left isthmus cingulate cortex	-0.111	0.020	0.214	0.723	322	219
Left supramarginal gyrus	-0.111	0.015	0.227	0.723	299	208
Right insula	-0.109	0.018	0.226	0.723	312	217
Right lateral occipital cortex	-0.106	0.012	0.235	0.723	321	218
Right inferior temporal cortex gyrus	-0.105	0.017	0.241	0.723	320	215
Right caudal middle frontal gyrus	-0.103	0.017	0.252	0.723	318	216
Right postcentral gyrus	-0.101	0.013	0.262	0.723	309	214
Right banks superior temporal sulcus	-0.100	0.020	0.278	0.723	298	207
Left frontal pole	-0.095	0.034	0.282	0.723	323	220
Left medial orbitofrontal cortex	-0.094	0.018	0.289	0.723	320	219

Right superior frontal gyrus	-0.093	0.016	0.304	0.733	310	215
Right pars triangularis	-0.088	0.017	0.325	0.756	321	218
Right fusiform gyrus	-0.086	0.014	0.336	0.756	314	217
Right cuneus	-0.083	0.015	0.353	0.756	323	217
Left transverse temporal cortex	-0.081	0.021	0.364	0.756	322	219
Left inferior temporal cortex gyrus	-0.080	0.017	0.370	0.756	315	219
Right rostral anterior cingulate cortex	-0.078	0.027	0.384	0.756	310	217
Left postcentral gyrus	-0.078	0.012	0.389	0.756	312	207
Left fusiform gyrus	-0.075	0.014	0.405	0.766	314	218
Right pericalcarine gyrus	-0.068	0.014	0.448	0.784	323	217
Left rostral middle frontal gyrus	-0.066	0.014	0.459	0.784	321	221
Left paracentral lobule	-0.066	0.017	0.457	0.784	321	221
Left pars orbitalis	-0.055	0.024	0.534	0.849	322	219
Right parahippocampal gyrus	-0.053	0.026	0.558	0.849	317	214
Right posterior cingulate cortex	-0.053	0.016	0.551	0.849	322	216
Left middle temporal gyrus	-0.051	0.019	0.571	0.851	309	214
Left lingual gyrus	-0.047	0.013	0.600	0.854	321	220
Left precentral gyrus	-0.047	0.014	0.602	0.854	313	213
Right precentral gyrus	-0.046	0.015	0.610	0.854	312	215
Right middle temporal gyrus	-0.043	0.018	0.635	0.871	307	210
Left caudal middle frontal gyrus	-0.038	0.016	0.670	0.885	321	220
Right isthmus cingulate cortex	-0.036	0.020	0.683	0.885	322	217
Left pars triangularis	-0.032	0.017	0.714	0.899	321	221
Right entorhinal cortex	-0.026	0.038	0.792	0.899	276	185
Right superior temporal gyrus	-0.025	0.017	0.788	0.899	298	210
Left insula	-0.024	0.016	0.788	0.899	315	216
Right temporal pole	-0.022	0.041	0.802	0.899	322	214
Left superior frontal gyrus	-0.020	0.016	0.825	0.899	316	216
Right paracentral lobule	-0.020	0.017	0.819	0.899	323	220

<b>Left parahippocampal gyrus</b>	-0.020	0.028	0.819	0.899	317	218
<b>Left pars opercularis</b>	-0.019	0.016	0.835	0.899	319	217
<b>Right transverse temporal cortex</b>	-0.012	0.021	0.889	0.915	320	222
<b>Right frontal pole</b>	-0.003	0.035	0.974	0.974	319	221
<b>Right supramarginal gyrus</b>	0.011	0.015	0.906	0.919	303	209
<b>Right lateral orbitofrontal cortex</b>	0.013	0.017	0.881	0.915	322	220
<b>Left entorhinal cortex</b>	0.014	0.036	0.885	0.915	287	196
<b>Left temporal pole</b>	0.026	0.040	0.770	0.899	321	216
<b>Right lingual gyrus</b>	0.029	0.013	0.741	0.899	323	222
<b>Right pars opercularis</b>	0.037	0.017	0.681	0.885	316	220
<b>Right caudal anterior cingulate cortex</b>	0.062	0.025	0.490	0.797	310	218
<b>Left superior temporal gyrus</b>	0.066	0.017	0.470	0.784	304	206
<b>Right medial orbitofrontal cortex</b>	0.067	0.019	0.455	0.784	319	217
<b>Left caudal anterior cingulate cortex</b>	0.101	0.026	0.263	0.723	316	213
<b>Left lateral orbitofrontal cortex</b>	0.106	0.017	0.232	0.723	324	222
<b>Left rostral anterior cingulate cortex</b>	0.112	0.026	0.212	0.723	316	215

**TABLE S10c:** Full mega-analytic results for cortical thickness of each structure for the pediatric medicated OCD patients compared with pediatric unmedicated patients, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (NoMed vs Med)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N medicated patients</b>	<b>N unmedicated patients</b>
Left caudal anterior cingulate cortex	-0.171	0.035	0.097	0.921	181	213
Left precentral gyrus	-0.136	0.017	0.187	0.921	182	213
Right pars opercularis	-0.102	0.022	0.323	0.921	178	220
Right cuneus	-0.094	0.019	0.362	0.921	182	217
Right inferior parietal cortex	-0.093	0.019	0.373	0.921	176	214
Right supramarginal gyrus	-0.092	0.019	0.380	0.921	176	209
Left superior frontal gyrus	-0.090	0.022	0.386	0.921	179	216
Right caudal middle frontal gyrus	-0.071	0.023	0.492	0.921	181	216
Left superior parietal cortex	-0.071	0.017	0.489	0.921	183	217
Left entorhinal cortex	-0.059	0.046	0.581	0.921	172	196
Right precuneus	-0.059	0.018	0.567	0.921	177	221
Left precuneus	-0.054	0.018	0.601	0.921	181	220
Right paracentral lobule	-0.054	0.021	0.600	0.921	181	220
Left lateral occipital cortex	-0.050	0.015	0.624	0.921	181	219
Right pericalcarine gyrus	-0.049	0.017	0.634	0.921	182	217
Left isthmus cingulate cortex	-0.046	0.028	0.656	0.921	178	219
Left parahippocampal gyrus	-0.044	0.037	0.673	0.921	175	218
Right isthmus cingulate cortex	-0.044	0.026	0.670	0.921	180	217
Left paracentral lobule	-0.043	0.021	0.675	0.921	180	221
Left supramarginal gyrus	-0.032	0.020	0.763	0.921	173	208
Left caudal middle frontal gyrus	-0.024	0.022	0.816	0.929	183	220
Right banks superior temporal sulcus	-0.007	0.025	0.950	0.981	175	207
Left pars opercularis	-0.007	0.021	0.948	0.981	180	217
Right parahippocampal gyrus	-0.005	0.036	0.961	0.981	178	214
Right superior parietal cortex	0.002	0.017	0.981	0.981	182	217



Right precentral gyrus	0.004	0.019	0.971	0.981	178	215
Left lingual gyrus	0.010	0.017	0.921	0.981	181	220
Left rostral anterior cingulate cortex	0.015	0.036	0.887	0.970	178	215
Right lateral occipital cortex	0.021	0.016	0.835	0.929	181	218
Right middle temporal gyrus	0.022	0.023	0.836	0.929	179	210
Right superior temporal gyrus	0.024	0.022	0.817	0.929	176	210
Right lingual gyrus	0.027	0.017	0.792	0.929	182	222
Right caudal anterior cingulate cortex	0.032	0.033	0.753	0.921	181	218
Left superior temporal gyrus	0.032	0.022	0.762	0.921	173	206
Left banks superior temporal sulcus	0.034	0.024	0.749	0.921	160	208
Left cortical thickness	0.035	0.013	0.728	0.921	183	222
Right superior frontal gyrus	0.036	0.022	0.729	0.921	179	215
Left postcentral gyrus	0.039	0.016	0.704	0.921	182	207
Right posterior cingulate cortex	0.039	0.020	0.707	0.921	182	216
Left cuneus	0.040	0.016	0.694	0.921	181	220
Left middle temporal gyrus	0.043	0.023	0.681	0.921	173	214
Right insula	0.051	0.023	0.628	0.921	170	217
Right transverse temporal cortex	0.052	0.028	0.612	0.921	182	222
Left pericalcarine gyrus	0.053	0.018	0.605	0.921	179	221
Left fusiform gyrus	0.054	0.018	0.600	0.921	179	218
Left inferior temporal cortex gyrus	0.057	0.023	0.578	0.921	177	219
Right fusiform gyrus	0.062	0.018	0.550	0.921	179	217
Right frontal pole	0.063	0.042	0.538	0.921	183	221
Right rostral anterior cingulate cortex	0.065	0.034	0.531	0.921	179	217
Right postcentral gyrus	0.066	0.016	0.522	0.921	178	214
Right cortical thickness	0.066	0.013	0.517	0.921	183	222
Left lateral orbitofrontal cortex	0.082	0.024	0.424	0.921	182	222
Left frontal pole	0.083	0.046	0.418	0.921	183	220
Left inferior parietal cortex	0.087	0.019	0.407	0.921	173	210

<b>Left rostral middle frontal gyrus</b>	0.090	0.019	0.376	0.921	183	221
<b>Right entorhinal cortex</b>	0.093	0.047	0.399	0.921	162	185
<b>Right lateral orbitofrontal cortex</b>	0.098	0.022	0.336	0.921	183	220
<b>Left pars triangularis</b>	0.102	0.023	0.319	0.921	180	221
<b>Right medial orbitofrontal cortex</b>	0.102	0.026	0.324	0.921	178	217
<b>Left temporal pole</b>	0.104	0.052	0.311	0.921	181	216
<b>Left medial orbitofrontal cortex</b>	0.105	0.025	0.305	0.921	179	219
<b>Right rostral middle frontal gyrus</b>	0.107	0.020	0.295	0.921	182	220
<b>Right pars triangularis</b>	0.117	0.022	0.255	0.921	182	218
<b>Left transverse temporal cortex</b>	0.121	0.028	0.238	0.921	183	219
<b>Left pars orbitalis</b>	0.128	0.032	0.211	0.921	182	219
<b>Left insula</b>	0.134	0.021	0.199	0.921	171	216
<b>Left posterior cingulate cortex</b>	0.136	0.022	0.186	0.921	181	218
<b>Right inferior temporal cortex gyrus</b>	0.157	0.022	0.130	0.921	178	215
<b>Right temporal pole</b>	0.186	0.053	0.071	0.921	182	214
<b>Right pars orbitalis</b>	0.196	0.029	0.056	0.921	182	220

**TABLE S11a:** Full mega-analytic results for surface area of each structure for the pediatric medicated OCD patients compared with pediatric healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (Med vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
<b>Right medial orbitofrontal cortex</b>	-0.330	18.152	0.001	0.035	319	177
<b>Left medial orbitofrontal cortex</b>	-0.314	21.557	0.001	0.035	320	178
<b>Right posterior cingulate cortex</b>	-0.294	15.952	0.002	0.038	322	181
<b>Left rostral middle frontal gyrus</b>	-0.290	60.285	0.002	0.038	321	182
<b>Right paracentral lobule</b>	-0.282	20.023	0.003	0.041	323	180
<b>Right superior frontal gyrus</b>	-0.276	63.405	0.004	0.042	310	178
<b>Right cuneus</b>	-0.270	19.973	0.004	0.042	323	181
<b>Left lateral orbitofrontal cortex</b>	-0.220	26.497	0.020	0.173	324	181
<b>Left precuneus</b>	-0.216	38.360	0.023	0.174	320	180
<b>Right pars orbitalis</b>	-0.209	9.465	0.027	0.184	322	181
<b>Left posterior cingulate cortex</b>	-0.201	16.963	0.035	0.184	320	180
<b>Right pericalcarine gyrus</b>	-0.197	23.425	0.037	0.184	323	181
<b>Left postcentral gyrus</b>	-0.196	40.052	0.040	0.184	312	181
<b>Right surface area</b>	-0.194	494.231	0.040	1.000	324	182
<b>Left superior parietal cortex</b>	-0.192	52.199	0.043	0.184	317	182
<b>Left superior frontal gyrus</b>	-0.192	61.293	0.044	0.184	316	178
<b>Left surface area</b>	-0.191	487.329	0.043	1.000	324	182
<b>Right pars triangularis</b>	-0.189	22.087	0.046	0.184	321	181
<b>Right rostral middle frontal gyrus</b>	-0.182	63.049	0.055	0.209	317	181
<b>Left paracentral lobule</b>	-0.179	17.728	0.059	0.211	321	179
<b>Left inferior parietal cortex</b>	-0.176	52.117	0.071	0.237	301	172
<b>Right lingual gyrus</b>	-0.169	37.862	0.073	0.237	323	181
<b>Right lateral occipital cortex</b>	-0.167	49.608	0.078	0.242	321	180
<b>Left middle temporal gyrus</b>	-0.163	30.967	0.093	0.274	309	172
<b>Left rostral anterior cingulate cortex</b>	-0.155	13.939	0.104	0.295	316	177

Left pericalcarine gyrus	-0.144	21.763	0.130	0.339	320	178
Left caudal anterior cingulate cortex	-0.144	12.832	0.129	0.339	316	180
Right superior parietal cortex	-0.135	52.119	0.155	0.376	320	181
Right lateral orbitofrontal cortex	-0.135	27.181	0.152	0.376	322	182
Right supramarginal gyrus	-0.134	47.556	0.165	0.388	303	175
Left pars orbitalis	-0.128	8.094	0.174	0.395	322	181
Left lateral occipital cortex	-0.127	48.290	0.182	0.399	319	180
Left insula	-0.125	21.593	0.195	0.415	315	170
Left cuneus	-0.118	18.699	0.212	0.438	320	180
Right postcentral gyrus	-0.115	38.883	0.230	0.459	309	177
Right inferior parietal cortex	-0.109	60.067	0.260	0.470	309	175
Left caudal middle frontal gyrus	-0.106	34.999	0.263	0.470	321	182
Right isthmus cingulate cortex	-0.103	12.843	0.276	0.481	322	179
Right insula	-0.090	21.370	0.356	0.604	312	169
Left pars opercularis	-0.086	24.325	0.364	0.604	319	179
Right middle temporal gyrus	-0.078	35.446	0.414	0.651	307	178
Right fusiform gyrus	-0.078	34.032	0.412	0.651	314	178
Right pars opercularis	-0.067	21.076	0.486	0.735	316	177
Right caudal middle frontal gyrus	-0.060	34.662	0.526	0.778	318	180
Left lingual gyrus	-0.053	38.439	0.579	0.820	321	180
Right precuneus	-0.053	40.681	0.576	0.820	324	176
Right caudal anterior cingulate cortex	-0.047	13.607	0.622	0.827	310	180
Left fusiform gyrus	-0.043	35.748	0.649	0.827	314	178
Right parahippocampal gyrus	-0.029	9.623	0.759	0.889	317	177
Right inferior temporal cortex gyrus	-0.025	39.221	0.797	0.903	320	177
Left precentral gyrus	-0.013	41.175	0.891	0.946	313	181
Left isthmus cingulate cortex	-0.001	14.652	0.993	0.993	322	178
Right entorhinal cortex	0.001	7.769	0.993	0.993	276	161
Left entorhinal cortex	0.006	7.613	0.953	0.982	287	171

Left pars triangularis	0.008	18.768	0.936	0.979	321	179
Left banks superior temporal sulcus	0.017	17.174	0.868	0.937	297	159
Left supramarginal gyrus	0.020	47.351	0.837	0.918	299	172
Right transverse temporal cortex	0.021	5.367	0.826	0.918	320	181
Left superior temporal gyrus	0.028	36.296	0.772	0.890	304	172
Left inferior temporal cortex gyrus	0.036	43.414	0.707	0.844	315	176
Left frontal pole	0.039	3.476	0.676	0.827	323	182
Right temporal pole	0.039	6.059	0.681	0.827	322	181
Right superior temporal gyrus	0.040	32.804	0.681	0.827	298	175
Left parahippocampal gyrus	0.041	10.538	0.673	0.827	317	174
Right banks superior temporal sulcus	0.047	13.058	0.625	0.827	298	174
Right precentral gyrus	0.049	40.041	0.611	0.827	312	177
Left temporal pole	0.076	6.375	0.421	0.651	321	180
Left transverse temporal cortex	0.106	6.650	0.261	0.470	322	182
Right rostral anterior cingulate cortex	0.110	12.145	0.250	0.470	310	178
Right frontal pole	0.201	4.471	0.034	0.184	319	182

**TABLE S11b:** Full mega-analytic results for surface area of each structure for the pediatric unmedicated OCD patients compared with pediatric healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoMed vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left posterior cingulate cortex	-0.221	14.950	0.014	0.491	320	218
Left inferior parietal cortex	-0.210	46.501	0.022	0.491	301	210
Right medial orbitofrontal cortex	-0.208	17.295	0.021	0.491	319	217
Right paracentral lobule	-0.180	18.189	0.043	0.585	323	220
Left paracentral lobule	-0.166	15.786	0.062	0.700	321	221
Left lateral orbitofrontal cortex	-0.154	23.860	0.083	0.797	324	222
Right fusiform gyrus	-0.151	31.535	0.094	0.797	314	217
Right rostral middle frontal gyrus	-0.139	58.473	0.118	0.831	317	220
Left superior frontal gyrus	-0.112	55.223	0.212	0.980	316	216
Left insula	-0.110	17.837	0.220	0.980	315	216
Left medial orbitofrontal cortex	-0.102	19.751	0.254	0.980	320	219
Right superior frontal gyrus	-0.102	59.910	0.259	0.980	310	215
Left rostral middle frontal gyrus	-0.100	56.096	0.258	0.980	321	221
Right superior temporal gyrus	-0.094	29.763	0.306	0.980	298	210
Left pars orbitalis	-0.091	7.119	0.308	0.980	322	219
Right posterior cingulate cortex	-0.086	14.942	0.336	0.980	322	216
Right lateral orbitofrontal cortex	-0.084	25.235	0.347	0.980	322	220
Right inferior parietal cortex	-0.078	55.860	0.388	0.980	309	214
Left caudal anterior cingulate cortex	-0.075	11.978	0.407	0.980	316	213
Left rostral anterior cingulate cortex	-0.072	13.019	0.425	0.980	316	215
Right rostral anterior cingulate cortex	-0.072	10.730	0.422	0.980	310	217
Left middle temporal gyrus	-0.070	29.235	0.440	0.980	309	214
Right surface area	-0.061	452.719	0.488	1.000	324	222
Left banks superior temporal sulcus	-0.057	15.323	0.536	0.980	297	208
Right superior parietal cortex	-0.056	50.867	0.530	0.980	320	217

Left pericalcarine gyrus	-0.051	19.992	0.567	0.980	320	221
Left pars opercularis	-0.051	22.943	0.565	0.980	319	217
Left postcentral gyrus	-0.050	38.609	0.581	0.980	312	207
Left cuneus	-0.049	17.541	0.580	0.980	320	220
Right parahippocampal gyrus	-0.043	8.947	0.632	0.980	317	214
Right lateral occipital cortex	-0.034	45.979	0.705	0.980	321	218
Left surface area	-0.033	441.200	0.712	1.000	324	222
Right pars orbitalis	-0.031	8.802	0.724	0.980	322	220
Left superior temporal gyrus	-0.027	32.054	0.771	0.980	304	206
Right middle temporal gyrus	-0.027	32.727	0.768	0.980	307	210
Left frontal pole	-0.024	3.201	0.783	0.980	323	220
Right pars triangularis	-0.023	20.914	0.799	0.980	321	218
Left transverse temporal cortex	-0.022	6.087	0.807	0.980	322	219
Right temporal pole	-0.022	5.853	0.803	0.980	322	214
Left lingual gyrus	-0.019	35.460	0.835	0.980	321	220
Right banks superior temporal sulcus	-0.012	11.837	0.899	0.983	298	207
Left precentral gyrus	-0.006	37.536	0.945	0.983	313	213
Left precuneus	-0.002	35.062	0.983	0.983	320	220
Left fusiform gyrus	0.003	32.759	0.969	0.983	314	218
Right insula	0.003	18.937	0.970	0.983	312	217
Right caudal anterior cingulate cortex	0.005	12.483	0.953	0.983	310	218
Right pars opercularis	0.007	18.793	0.941	0.983	316	220
Left inferior temporal cortex gyrus	0.011	39.893	0.902	0.983	315	219
Right inferior temporal cortex gyrus	0.012	36.531	0.889	0.983	320	215
Left parahippocampal gyrus	0.017	9.643	0.846	0.980	317	218
Right precentral gyrus	0.017	36.797	0.850	0.980	312	215
Left entorhinal cortex	0.018	7.272	0.848	0.980	287	196
Right lingual gyrus	0.019	35.574	0.832	0.980	323	222
Right cuneus	0.025	18.142	0.780	0.980	323	217

Right precuneus	0.037	36.897	0.678	0.980	324	221
Right postcentral gyrus	0.038	36.007	0.672	0.980	309	214
Right supramarginal gyrus	0.039	41.739	0.670	0.980	303	209
Left caudal middle frontal gyrus	0.040	31.975	0.654	0.980	321	220
Left superior parietal cortex	0.043	50.940	0.631	0.980	317	217
Right caudal middle frontal gyrus	0.057	30.266	0.523	0.980	318	216
Right frontal pole	0.060	4.092	0.497	0.980	319	221
Left supramarginal gyrus	0.067	42.311	0.462	0.980	299	208
Right transverse temporal cortex	0.069	4.961	0.436	0.980	320	222
Left pars triangularis	0.077	16.257	0.388	0.980	321	221
Right pericalcarine gyrus	0.096	21.614	0.281	0.980	323	217
Right entorhinal cortex	0.123	7.802	0.206	0.980	276	185
Right isthmus cingulate cortex	0.125	12.423	0.161	0.913	322	217
Left lateral occipital cortex	0.130	43.700	0.146	0.905	319	219
Left temporal pole	0.138	5.916	0.122	0.831	321	216
Left isthmus cingulate cortex	0.193	13.926	0.030	0.518	322	219



**TABLE S11c:** Full mega-analytic results for surface area of each structure for the pediatric medicated OCD patients compared with pediatric unmedicated patients, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoMed vs Med)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N medicated patients</b>	<b>N unmedicated patients</b>
Right pericalcarine gyrus	-0.406	26.388	9.359E-05	0.006	181	217
Right lingual gyrus	-0.341	45.382	0.001	0.031	181	222
Left lateral occipital cortex	-0.302	59.031	0.003	0.079	180	219
Right cuneus	-0.271	24.090	0.009	0.147	181	217
Left superior parietal cortex	-0.261	69.227	0.011	0.156	182	217
Right isthmus cingulate cortex	-0.223	16.475	0.031	0.294	179	217
Left precuneus	-0.215	47.394	0.036	0.294	180	220
Right superior frontal gyrus	-0.210	80.957	0.043	0.294	178	215
Right precuneus	-0.210	49.530	0.042	0.294	176	221
Left isthmus cingulate cortex	-0.205	18.497	0.048	0.295	178	219
Left surface area	-0.191	622.307	0.062	1.000	182	222
Right postcentral gyrus	-0.191	49.123	0.066	0.374	177	214
Right lateral occipital cortex	-0.173	60.926	0.092	0.484	180	218
Left postcentral gyrus	-0.167	49.248	0.109	0.495	181	207
Left pars triangularis	-0.167	22.161	0.104	0.495	179	221
Right surface area	-0.156	634.543	0.128	1.000	182	222
Left pericalcarine gyrus	-0.154	26.632	0.134	0.569	178	221
Left rostral middle frontal gyrus	-0.150	73.067	0.142	0.569	182	221
Left lingual gyrus	-0.141	47.125	0.172	0.648	180	220
Left supramarginal gyrus	-0.140	60.379	0.184	0.660	172	208
Right posterior cingulate cortex	-0.129	19.102	0.212	0.684	181	216
Left caudal middle frontal gyrus	-0.126	40.234	0.217	0.684	182	220
Right parahippocampal gyrus	-0.122	12.663	0.241	0.684	177	214
Right transverse temporal cortex	-0.121	7.150	0.237	0.684	181	222
Left cuneus	-0.114	22.832	0.269	0.731	180	220

Left pars opercularis	-0.112	30.253	0.280	0.731	179	217
Right entorhinal cortex	-0.106	9.489	0.337	0.778	161	185
Right pars orbitalis	-0.101	11.533	0.324	0.778	181	220
Right pars triangularis	-0.097	26.241	0.343	0.778	181	218
Right pars opercularis	-0.095	25.062	0.359	0.788	177	220
Right superior parietal cortex	-0.090	68.698	0.380	0.808	181	217
Right caudal middle frontal gyrus	-0.088	39.786	0.394	0.812	180	216
Left rostral anterior cingulate cortex	-0.081	17.923	0.434	0.817	177	215
Left fusiform gyrus	-0.079	44.566	0.445	0.817	178	218
Right medial orbitofrontal cortex	-0.077	22.888	0.458	0.817	177	217
Right precentral gyrus	-0.076	49.066	0.464	0.817	177	215
Right rostral middle frontal gyrus	-0.074	78.651	0.473	0.817	181	220
Right paracentral lobule	-0.071	24.357	0.490	0.817	180	220
Left medial orbitofrontal cortex	-0.069	27.189	0.504	0.817	178	219
Left paracentral lobule	-0.066	19.843	0.522	0.817	179	221
Left lateral orbitofrontal cortex	-0.062	35.356	0.544	0.817	181	222
Right supramarginal gyrus	-0.062	56.307	0.552	0.817	175	209
Left middle temporal gyrus	-0.062	41.198	0.552	0.817	172	214
Left parahippocampal gyrus	-0.056	12.178	0.591	0.851	174	218
Right inferior parietal cortex	-0.053	76.344	0.613	0.851	175	214
Left entorhinal cortex	-0.051	9.784	0.632	0.859	171	196
Left superior frontal gyrus	-0.047	73.795	0.646	0.862	178	216
Left precentral gyrus	-0.038	49.110	0.710	0.911	181	213
Left frontal pole	-0.036	4.499	0.726	0.914	182	220
Right middle temporal gyrus	-0.033	43.176	0.750	0.927	178	210
Left superior temporal gyrus	-0.017	44.449	0.875	0.969	172	206
Left insula	-0.013	25.371	0.901	0.969	170	216
Right fusiform gyrus	-0.012	41.064	0.907	0.969	178	217
Left posterior cingulate cortex	-0.011	19.951	0.912	0.969	180	218

<b>Left caudal anterior cingulate cortex</b>	-0.009	15.609	0.930	0.969	180	213
<b>Left pars orbitalis</b>	0.004	9.377	0.971	0.971	181	219
<b>Left temporal pole</b>	0.005	7.766	0.959	0.971	180	216
<b>Right frontal pole</b>	0.008	4.953	0.937	0.969	182	221
<b>Right lateral orbitofrontal cortex</b>	0.008	34.378	0.940	0.969	182	220
<b>Left transverse temporal cortex</b>	0.023	8.024	0.820	0.948	182	219
<b>Right caudal anterior cingulate cortex</b>	0.024	16.099	0.813	0.948	180	218
<b>Left banks superior temporal sulcus</b>	0.024	20.759	0.822	0.948	159	208
<b>Right insula</b>	0.027	27.447	0.797	0.948	169	217
<b>Right inferior temporal cortex gyrus</b>	0.045	49.189	0.663	0.867	177	215
<b>Right banks superior temporal sulcus</b>	0.054	16.461	0.609	0.851	174	207
<b>Left inferior parietal cortex</b>	0.063	63.917	0.549	0.817	172	210
<b>Left inferior temporal cortex gyrus</b>	0.080	50.124	0.441	0.817	176	219
<b>Right superior temporal gyrus</b>	0.104	40.257	0.321	0.778	175	210
<b>Right temporal pole</b>	0.123	7.144	0.235	0.684	181	214
<b>Right rostral anterior cingulate cortex</b>	0.216	15.060	0.037	0.294	178	217

**TABLE S12a:** Full mega-analytic results for cortical thickness of each structure for the adult OCD patients with current comorbid depression compared with adult healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (CurDep vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left middle temporal gyrus	-0.223	0.015	0.012	0.210	1320	145
Right inferior parietal cortex	-0.221	0.011	0.009	0.210	1379	160
Left rostral middle frontal gyrus	-0.211	0.012	0.011	0.210	1429	166
Right pars orbitalis	-0.208	0.019	0.012	0.210	1431	166
Right medial orbitofrontal cortex	-0.199	0.015	0.017	0.240	1428	164
Right middle temporal gyrus	-0.185	0.013	0.027	0.249	1402	161
Right lateral orbitofrontal cortex	-0.182	0.015	0.028	0.249	1431	167
Left parahippocampal gyrus	-0.176	0.026	0.033	0.259	1424	167
Right fusiform gyrus	-0.164	0.013	0.054	0.326	1428	156
Left cortical thickness	-0.158	0.008	0.056	0.326	1435	167
Left fusiform gyrus	-0.158	0.012	0.056	0.326	1428	167
Left lingual gyrus	-0.155	0.011	0.061	0.329	1427	167
Left inferior parietal cortex	-0.149	0.011	0.075	0.373	1364	162
Left pars triangularis	-0.145	0.013	0.080	0.373	1434	166
Left pars opercularis	-0.135	0.012	0.105	0.433	1427	165
Left lateral occipital cortex	-0.135	0.012	0.104	0.433	1419	166
Right pars triangularis	-0.133	0.014	0.119	0.437	1423	157
Right parahippocampal gyrus	-0.129	0.022	0.120	0.437	1420	166
Left banks superior temporal sulcus	-0.124	0.015	0.157	0.437	1284	148
Right cortical thickness	-0.123	0.008	0.137	0.437	1435	165
Right rostral middle frontal gyrus	-0.117	0.011	0.157	0.437	1424	167
Left insula	-0.117	0.014	0.157	0.437	1414	166
Left posterior cingulate cortex	-0.114	0.013	0.167	0.437	1431	166
Left entorhinal cortex	-0.112	0.035	0.217	0.437	1318	137
Left precuneus	-0.111	0.011	0.181	0.437	1426	164

Right superior frontal gyrus	-0.110	0.013	0.189	0.437	1410	161
Left inferior temporal cortex gyrus	-0.107	0.014	0.198	0.437	1383	165
Left superior frontal gyrus	-0.107	0.013	0.209	0.437	1413	156
Left cuneus	-0.106	0.012	0.209	0.437	1404	160
Right cuneus	-0.106	0.012	0.206	0.437	1401	162
Right pars opercularis	-0.104	0.013	0.218	0.437	1418	161
Left frontal pole	-0.103	0.027	0.218	0.437	1435	164
Right insula	-0.101	0.015	0.229	0.437	1415	163
Right inferior temporal cortex gyrus	-0.101	0.014	0.224	0.437	1400	164
Right posterior cingulate cortex	-0.101	0.014	0.221	0.437	1427	166
Right banks superior temporal sulcus	-0.100	0.016	0.255	0.447	1321	148
Left precentral gyrus	-0.100	0.011	0.231	0.437	1408	163
Right lingual gyrus	-0.097	0.011	0.241	0.437	1433	166
Right transverse temporal cortex	-0.086	0.019	0.297	0.506	1434	167
Left isthmus cingulate cortex	-0.084	0.017	0.311	0.508	1431	166
Left medial orbitofrontal cortex	-0.083	0.015	0.312	0.508	1430	167
Right precentral gyrus	-0.079	0.012	0.355	0.565	1405	157
Left lateral orbitofrontal cortex	-0.071	0.014	0.391	0.595	1433	166
Left caudal middle frontal gyrus	-0.063	0.013	0.449	0.668	1429	162
Right precuneus	-0.059	0.011	0.476	0.680	1429	165
Right isthmus cingulate cortex	-0.053	0.016	0.517	0.724	1429	167
Left rostral anterior cingulate cortex	-0.044	0.021	0.595	0.783	1415	164
Right caudal middle frontal gyrus	-0.043	0.013	0.604	0.783	1423	163
Right lateral occipital cortex	-0.043	0.012	0.603	0.783	1421	163
Left pars orbitalis	-0.041	0.019	0.621	0.791	1431	165
Left caudal anterior cingulate cortex	-0.039	0.024	0.636	0.795	1415	165
Right rostral anterior cingulate cortex	-0.031	0.021	0.715	0.818	1413	160
Left transverse temporal cortex	-0.027	0.018	0.741	0.823	1433	165
Left paracentral lobule	-0.022	0.013	0.786	0.860	1430	167

Left supramarginal gyrus	-0.019	0.012	0.828	0.891	1310	145
Left superior parietal cortex	-0.012	0.010	0.892	0.946	1417	159
Left superior temporal gyrus	-0.005	0.015	0.958	0.975	1296	138
Right frontal pole	-0.004	0.027	0.963	0.975	1434	167
Right caudal anterior cingulate cortex	0.003	0.022	0.975	0.975	1422	160
Right superior temporal gyrus	0.006	0.014	0.940	0.975	1316	152
Right paracentral lobule	0.029	0.013	0.725	0.818	1432	167
Right entorhinal cortex	0.033	0.038	0.722	0.818	1244	128
Left pericalcarine gyrus	0.033	0.011	0.691	0.818	1406	165
Right temporal pole	0.037	0.033	0.665	0.803	1430	157
Left temporal pole	0.037	0.030	0.657	0.803	1435	167
Right superior parietal cortex	0.044	0.011	0.597	0.783	1411	161
Right pericalcarine gyrus	0.060	0.011	0.472	0.680	1409	166
Left postcentral gyrus	0.073	0.010	0.385	0.595	1403	161
Right supramarginal gyrus	0.102	0.012	0.243	0.437	1321	149
Right postcentral gyrus	0.184	0.010	0.029	0.249	1414	161

**TABLE S12b:** Full mega-analytic results for cortical thickness of each structure for the adult OCD patients with no current comorbid depression compared with adult healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (NoCurDep vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left inferior parietal cortex	-0.154	0.005	1.344E-04	0.009	1364	1141
Right inferior parietal cortex	-0.134	0.005	0.001	0.019	1379	1154
Left lateral orbitofrontal cortex	-0.129	0.007	0.001	0.019	1433	1188
Right medial orbitofrontal cortex	-0.129	0.007	0.001	0.019	1428	1183
Left fusiform gyrus	-0.126	0.006	0.001	0.019	1428	1182
Left cortical thickness	-0.124	0.004	0.002	0.019	1435	1191
Left precuneus	-0.119	0.005	0.003	0.026	1426	1189
Right middle temporal gyrus	-0.116	0.006	0.004	0.030	1402	1167
Right cortical thickness	-0.113	0.004	0.004	0.030	1435	1188
Right lateral orbitofrontal cortex	-0.113	0.007	0.004	0.030	1431	1190
Right rostral middle frontal gyrus	-0.109	0.005	0.006	0.032	1424	1186
Right parahippocampal gyrus	-0.109	0.010	0.006	0.032	1420	1182
Right precuneus	-0.109	0.005	0.006	0.032	1429	1186
Right fusiform gyrus	-0.106	0.006	0.008	0.036	1428	1164
Left caudal middle frontal gyrus	-0.105	0.006	0.008	0.036	1429	1177
Left rostral middle frontal gyrus	-0.103	0.006	0.009	0.040	1429	1179
Left middle temporal gyrus	-0.102	0.007	0.013	0.053	1320	1089
Left pars opercularis	-0.098	0.006	0.014	0.053	1427	1185
Left medial orbitofrontal cortex	-0.095	0.007	0.016	0.059	1430	1183
Right isthmus cingulate cortex	-0.094	0.008	0.018	0.059	1429	1189
Left inferior temporal cortex gyrus	-0.094	0.007	0.019	0.059	1383	1165
Right caudal middle frontal gyrus	-0.093	0.006	0.018	0.059	1423	1183
Left entorhinal cortex	-0.091	0.015	0.027	0.075	1318	1108
Left superior frontal gyrus	-0.089	0.006	0.027	0.075	1413	1142
Right lateral occipital cortex	-0.089	0.005	0.025	0.075	1421	1176

Left pars orbitalis	-0.087	0.009	0.028	0.076	1431	1184
Left posterior cingulate cortex	-0.086	0.006	0.030	0.078	1431	1186
Left superior parietal cortex	-0.083	0.005	0.037	0.091	1417	1171
Left insula	-0.080	0.007	0.045	0.106	1414	1167
Left rostral anterior cingulate cortex	-0.080	0.010	0.045	0.106	1415	1170
Left lateral occipital cortex	-0.079	0.006	0.048	0.108	1419	1174
Left parahippocampal gyrus	-0.077	0.012	0.051	0.111	1424	1182
Right insula	-0.075	0.007	0.061	0.123	1415	1160
Right posterior cingulate cortex	-0.074	0.007	0.061	0.123	1427	1188
Right pars opercularis	-0.074	0.006	0.061	0.123	1418	1178
Right pars triangularis	-0.072	0.006	0.070	0.135	1423	1166
Left isthmus cingulate cortex	-0.071	0.008	0.073	0.138	1431	1186
Right superior parietal cortex	-0.069	0.005	0.083	0.154	1411	1168
Right pars orbitalis	-0.066	0.009	0.096	0.168	1431	1189
Left frontal pole	-0.066	0.013	0.095	0.168	1435	1186
Left supramarginal gyrus	-0.065	0.006	0.117	0.195	1310	1092
Right caudal anterior cingulate cortex	-0.064	0.010	0.109	0.186	1422	1184
Right inferior temporal cortex gyrus	-0.060	0.007	0.128	0.209	1400	1184
Left banks superior temporal sulcus	-0.053	0.007	0.205	0.327	1284	1079
Right superior frontal gyrus	-0.048	0.006	0.222	0.345	1410	1178
Left cuneus	-0.046	0.006	0.247	0.375	1404	1166
Right precentral gyrus	-0.045	0.006	0.264	0.393	1405	1159
Left pars triangularis	-0.042	0.006	0.292	0.417	1434	1185
Right lingual gyrus	-0.042	0.005	0.282	0.411	1433	1186
Left lingual gyrus	-0.036	0.005	0.364	0.509	1427	1183
Right entorhinal cortex	-0.035	0.017	0.404	0.548	1244	1076
Right supramarginal gyrus	-0.034	0.006	0.407	0.548	1321	1103
Left paracentral lobule	-0.029	0.006	0.457	0.604	1430	1183
Left postcentral gyrus	-0.028	0.005	0.475	0.616	1403	1166



Right cuneus	-0.027	0.006	0.494	0.628	1401	1163
Left superior temporal gyrus	-0.023	0.007	0.578	0.710	1296	1069
Left precentral gyrus	-0.021	0.005	0.605	0.730	1408	1171
Right rostral anterior cingulate cortex	-0.013	0.010	0.753	0.855	1413	1176
Right transverse temporal cortex	-0.013	0.009	0.751	0.855	1434	1189
Left transverse temporal cortex	-0.012	0.009	0.770	0.855	1433	1188
Right paracentral lobule	-0.008	0.006	0.835	0.872	1432	1186
Right temporal pole	-0.006	0.015	0.886	0.899	1430	1166
Left caudal anterior cingulate cortex	-0.006	0.012	0.881	0.899	1415	1169
Right superior temporal gyrus	-0.001	0.007	0.979	0.979	1316	1096
Right pericalcarine gyrus	0.009	0.005	0.821	0.872	1409	1171
Right banks superior temporal sulcus	0.009	0.007	0.828	0.872	1321	1104
Left pericalcarine gyrus	0.010	0.005	0.793	0.867	1406	1177
Left temporal pole	0.012	0.015	0.765	0.855	1435	1186
Right frontal pole	0.017	0.013	0.661	0.784	1434	1188
Right postcentral gyrus	0.025	0.005	0.528	0.660	1414	1172

**TABLE S12c:** Full mega-analytic results for cortical thickness of each structure for the adult OCD patients with current comorbid depression compared with adult patients without, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (NoCurDep vs CurDep)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients with current depression</b>	<b>N patients with no current depression</b>
Right cuneus	-0.170	0.012	0.045	0.979	162	1163
Left lingual gyrus	-0.166	0.011	0.047	0.979	167	1183
Right transverse temporal cortex	-0.149	0.018	0.074	0.979	167	1189
Left rostral middle frontal gyrus	-0.146	0.012	0.081	0.979	166	1179
Right inferior parietal cortex	-0.143	0.012	0.093	0.979	160	1154
Right pars orbitalis	-0.142	0.019	0.090	0.979	166	1189
Right banks superior temporal sulcus	-0.135	0.016	0.129	0.979	148	1104
Left precentral gyrus	-0.131	0.012	0.122	0.979	163	1171
Left cuneus	-0.126	0.012	0.139	0.979	160	1166
Left insula	-0.114	0.015	0.175	0.979	166	1167
Left lateral occipital cortex	-0.100	0.012	0.232	0.979	166	1174
Right lingual gyrus	-0.099	0.011	0.237	0.979	166	1186
Left parahippocampal gyrus	-0.091	0.027	0.275	0.979	167	1182
Left middle temporal gyrus	-0.082	0.015	0.359	0.979	145	1089
Left cortical thickness	-0.081	0.009	0.335	0.979	167	1191
Right insula	-0.081	0.016	0.336	0.979	163	1160
Right superior frontal gyrus	-0.080	0.013	0.344	0.979	161	1178
Left pars triangularis	-0.078	0.014	0.349	0.979	166	1185
Left posterior cingulate cortex	-0.076	0.014	0.363	0.979	166	1186
Right medial orbitofrontal cortex	-0.073	0.016	0.385	0.979	164	1183
Left transverse temporal cortex	-0.072	0.019	0.390	0.979	165	1188
Left superior frontal gyrus	-0.070	0.013	0.417	0.979	156	1142
Left pericalcarine gyrus	-0.061	0.012	0.468	0.979	165	1177
Left paracentral lobule	-0.058	0.014	0.491	0.979	167	1183
Right pars triangularis	-0.052	0.014	0.542	0.979	157	1166

Right precentral gyrus	-0.051	0.012	0.555	0.979	157	1159
Right posterior cingulate cortex	-0.051	0.015	0.542	0.979	166	1188
Right superior temporal gyrus	-0.050	0.014	0.571	0.979	152	1096
Left banks superior temporal sulcus	-0.049	0.016	0.584	0.979	148	1079
Right frontal pole	-0.049	0.026	0.557	0.979	167	1188
Right lateral orbitofrontal cortex	-0.049	0.015	0.554	0.979	167	1190
Left precuneus	-0.048	0.012	0.566	0.979	164	1189
Left pars opercularis	-0.043	0.013	0.610	0.979	165	1185
Right cortical thickness	-0.041	0.009	0.625	0.979	165	1188
Left caudal anterior cingulate cortex	-0.038	0.025	0.651	0.979	165	1169
Right lateral occipital cortex	-0.032	0.012	0.707	0.979	163	1176
Right rostral middle frontal gyrus	-0.029	0.011	0.731	0.979	167	1186
Left superior parietal cortex	-0.029	0.010	0.735	0.979	159	1171
Left medial orbitofrontal cortex	-0.027	0.015	0.748	0.979	167	1183
Right rostral anterior cingulate cortex	-0.027	0.022	0.747	0.979	160	1176
Left supramarginal gyrus	-0.025	0.013	0.784	0.979	145	1092
Left caudal middle frontal gyrus	-0.025	0.013	0.772	0.979	162	1177
Left inferior parietal cortex	-0.024	0.012	0.774	0.979	162	1141
Left fusiform gyrus	-0.019	0.013	0.824	0.979	167	1182
Left frontal pole	-0.019	0.026	0.824	0.979	164	1186
Right pars opercularis	-0.018	0.014	0.829	0.979	161	1178
Right pericalcarine gyrus	-0.015	0.012	0.862	0.979	166	1171
Right precuneus	-0.014	0.012	0.871	0.979	165	1186
Right middle temporal gyrus	-0.014	0.014	0.865	0.979	161	1167
Left isthmus cingulate cortex	-0.011	0.018	0.900	0.979	166	1186
Right inferior temporal cortex gyrus	-0.009	0.014	0.916	0.979	164	1184
Right parahippocampal gyrus	-0.008	0.022	0.923	0.979	166	1182
Left entorhinal cortex	-0.006	0.035	0.948	0.990	137	1108
Left rostral anterior cingulate cortex	-0.002	0.022	0.981	1.000	164	1170

<b>Left pars orbitalis</b>	0.001	0.019	0.994	1.000	165	1184
<b>Left superior temporal gyrus</b>	<0.001	0.015	1.000	1.000	138	1069
<b>Right paracentral lobule</b>	0.011	0.013	0.898	0.979	167	1186
<b>Right fusiform gyrus</b>	0.013	0.013	0.882	0.979	156	1164
<b>Left inferior temporal cortex gyrus</b>	0.018	0.014	0.829	0.979	165	1165
<b>Right caudal anterior cingulate cortex</b>	0.022	0.022	0.798	0.979	160	1184
<b>Right isthmus cingulate cortex</b>	0.032	0.017	0.698	0.979	167	1189
<b>Right superior parietal cortex</b>	0.032	0.011	0.705	0.979	161	1168
<b>Left lateral orbitofrontal cortex</b>	0.034	0.015	0.685	0.979	166	1188
<b>Right caudal middle frontal gyrus</b>	0.042	0.014	0.622	0.979	163	1183
<b>Right entorhinal cortex</b>	0.054	0.038	0.567	0.979	128	1076
<b>Left postcentral gyrus</b>	0.055	0.010	0.514	0.979	161	1166
<b>Right supramarginal gyrus</b>	0.060	0.013	0.498	0.979	149	1103
<b>Right temporal pole</b>	0.065	0.034	0.446	0.979	157	1166
<b>Left temporal pole</b>	0.069	0.031	0.410	0.979	167	1186
<b>Right postcentral gyrus</b>	0.073	0.010	0.393	0.979	161	1172

**TABLE S13a:** Full mega-analytic results for surface area of each structure for the adult OCD patients with current depression compared with adult healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (CurDep vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
<b>Left caudal middle frontal gyrus</b>	-0.214	27.552	0.011	0.663	1427	161
<b>Right rostral anterior cingulate cortex</b>	-0.178	10.189	0.035	0.663	1411	160
<b>Left transverse temporal cortex</b>	-0.172	6.128	0.039	0.663	1431	164
<b>Right superior temporal gyrus</b>	-0.148	26.226	0.088	0.818	1314	151
<b>Left paracentral lobule</b>	-0.134	13.759	0.106	0.818	1428	166
<b>Left lateral occipital cortex</b>	-0.131	40.073	0.116	0.818	1417	165
<b>Right isthmus cingulate cortex</b>	-0.127	10.929	0.125	0.818	1427	166
<b>Right postcentral gyrus</b>	-0.117	32.838	0.166	0.818	1412	160
<b>Left surface area</b>	-0.117	390.679	0.157	1.000	1433	166
<b>Left lingual gyrus</b>	-0.113	30.305	0.174	0.818	1425	166
<b>Left superior frontal gyrus</b>	-0.102	49.623	0.233	0.818	1411	155
<b>Right pericalcarine gyrus</b>	-0.099	18.445	0.235	0.818	1407	165
<b>Right lateral occipital cortex</b>	-0.098	41.163	0.243	0.818	1419	162
<b>Left cuneus</b>	-0.096	15.555	0.259	0.818	1402	159
<b>Right transverse temporal cortex</b>	-0.095	4.491	0.251	0.818	1432	166
<b>Right superior frontal gyrus</b>	-0.092	50.177	0.276	0.818	1408	160
<b>Left precentral gyrus</b>	-0.090	34.005	0.282	0.818	1406	162
<b>Left postcentral gyrus</b>	-0.087	33.648	0.304	0.818	1401	160
<b>Right precentral gyrus</b>	-0.085	38.178	0.320	0.818	1403	156
<b>Right cuneus</b>	-0.081	15.175	0.338	0.818	1399	161
<b>Left pars opercularis</b>	-0.081	21.189	0.329	0.818	1425	164
<b>Left superior temporal gyrus</b>	-0.080	31.827	0.381	0.818	1294	137
<b>Right supramarginal gyrus</b>	-0.076	37.363	0.383	0.818	1319	148
<b>Right pars opercularis</b>	-0.074	17.792	0.376	0.818	1416	161
<b>Right caudal middle frontal gyrus</b>	-0.070	27.741	0.401	0.818	1421	162

Right caudal anterior cingulate cortex	-0.066	12.682	0.433	0.818	1420	159
Left supramarginal gyrus	-0.065	40.600	0.466	0.818	1308	144
Left superior parietal cortex	-0.063	45.242	0.458	0.818	1415	158
Right superior parietal cortex	-0.060	44.262	0.474	0.818	1409	160
Left pars triangularis	-0.059	14.823	0.479	0.818	1432	165
Left posterior cingulate cortex	-0.052	12.967	0.532	0.818	1429	165
Right surface area	-0.051	397.176	0.543	1.000	1434	165
Left insula	-0.051	16.633	0.536	0.818	1412	165
Left pericalcarine gyrus	-0.049	17.249	0.554	0.818	1404	164
Right pars orbitalis	-0.044	7.532	0.593	0.833	1429	165
Left lateral orbitofrontal cortex	-0.042	19.582	0.615	0.833	1431	165
Left rostral anterior cingulate cortex	-0.042	11.243	0.616	0.833	1413	163
Left frontal pole	-0.036	2.833	0.663	0.867	1433	163
Right precuneus	-0.027	32.838	0.744	0.940	1427	164
Left inferior temporal cortex gyrus	-0.026	32.919	0.754	0.940	1382	164
Right posterior cingulate cortex	-0.024	13.569	0.774	0.940	1425	165
Left parahippocampal gyrus	-0.024	7.971	0.772	0.940	1422	166
Left fusiform gyrus	-0.018	29.120	0.832	0.973	1426	166
Left isthmus cingulate cortex	-0.018	12.430	0.829	0.973	1429	165
Left precuneus	-0.011	29.614	0.897	0.973	1424	163
Right lingual gyrus	-0.009	27.967	0.916	0.973	1431	165
Left pars orbitalis	-0.005	6.106	0.948	0.973	1429	164
Right insula	-0.004	18.517	0.959	0.973	1413	162
Right parahippocampal gyrus	-0.001	7.844	0.993	0.993	1418	165
Right frontal pole	0.005	3.507	0.956	0.973	1432	166
Left banks superior temporal sulcus	0.008	13.000	0.923	0.973	1282	147
Left inferior parietal cortex	0.013	43.778	0.877	0.973	1363	161
Left medial orbitofrontal cortex	0.013	17.323	0.877	0.973	1428	166
Left entorhinal cortex	0.018	6.778	0.845	0.973	1316	137

Right paracentral lobule	0.041	15.675	0.625	0.833	1430	166
Left rostral middle frontal gyrus	0.046	48.046	0.580	0.833	1427	165
Right inferior temporal cortex gyrus	0.050	30.944	0.548	0.818	1399	163
Right rostral middle frontal gyrus	0.051	49.210	0.542	0.818	1422	166
Right inferior parietal cortex	0.059	50.288	0.483	0.818	1377	159
Right banks superior temporal sulcus	0.059	11.249	0.503	0.818	1319	147
Left temporal pole	0.061	4.921	0.460	0.818	1434	166
Right temporal pole	0.062	5.233	0.463	0.818	1428	156
Right entorhinal cortex	0.064	13.165	0.498	0.818	1242	127
Right middle temporal gyrus	0.066	27.648	0.435	0.818	1401	161
Left middle temporal gyrus	0.077	28.253	0.387	0.818	1319	144
Right lateral orbitofrontal cortex	0.078	21.382	0.349	0.818	1429	166
Right fusiform gyrus	0.079	29.303	0.356	0.818	1426	155
Left caudal anterior cingulate cortex	0.115	10.262	0.169	0.818	1413	164
Right medial orbitofrontal cortex	0.133	14.119	0.109	0.818	1426	164
Right pars triangularis	0.189	18.870	0.027	0.663	1421	156

**TABLE S13b:** Full mega-analytic results for surface area of each structure for the adult OCD patients with no current comorbid depression compared with adult healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoCurDep vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
<b>Left transverse temporal cortex</b>	-0.153	2.859	1.072E-04	0.007	1431	1188
<b>Right superior temporal gyrus</b>	-0.106	12.292	0.010	0.223	1314	1096
<b>Right transverse temporal cortex</b>	-0.102	2.116	0.010	0.223	1432	1189
<b>Left pars triangularis</b>	-0.084	7.015	0.033	0.561	1432	1185
<b>Right supramarginal gyrus</b>	-0.072	17.472	0.079	0.700	1319	1103
<b>Left superior frontal gyrus</b>	-0.069	22.822	0.086	0.700	1411	1142
<b>Left pars opercularis</b>	-0.069	9.879	0.080	0.700	1425	1185
<b>Right posterior cingulate cortex</b>	-0.066	6.293	0.093	0.700	1425	1188
<b>Left postcentral gyrus</b>	-0.062	15.735	0.121	0.824	1401	1166
<b>Left superior temporal gyrus</b>	-0.058	14.343	0.166	0.853	1294	1069
<b>Left lateral orbitofrontal cortex</b>	-0.056	9.218	0.156	0.853	1431	1188
<b>Right superior frontal gyrus</b>	-0.053	23.232	0.180	0.853	1408	1178
<b>Right caudal anterior cingulate cortex</b>	-0.052	5.627	0.188	0.853	1420	1184
<b>Right rostral anterior cingulate cortex</b>	-0.050	4.819	0.209	0.890	1411	1176
<b>Left surface area</b>	-0.050	181.603	0.203	1.000	1433	1191
<b>Left supramarginal gyrus</b>	-0.047	18.553	0.259	0.899	1308	1092
<b>Right middle temporal gyrus</b>	-0.046	12.838	0.252	0.899	1401	1167
<b>Left insula</b>	-0.043	7.820	0.278	0.899	1412	1167
<b>Left superior parietal cortex</b>	-0.042	20.969	0.287	0.899	1415	1171
<b>Right pars triangularis</b>	-0.039	8.767	0.331	0.899	1421	1166
<b>Left cuneus</b>	-0.039	7.251	0.329	0.899	1402	1166
<b>Left frontal pole</b>	-0.038	1.322	0.330	0.899	1433	1186
<b>Right pars opercularis</b>	-0.036	8.337	0.359	0.911	1416	1178
<b>Left lateral occipital cortex</b>	-0.034	18.748	0.390	0.911	1417	1174
<b>Left pars orbitalis</b>	-0.034	2.876	0.386	0.911	1429	1184



Right surface area	-0.033	183.447	0.399	1.000	1434	1190
Right pericalcarine gyrus	-0.032	8.754	0.415	0.911	1407	1171
Left inferior temporal cortex gyrus	-0.031	15.507	0.441	0.919	1382	1165
Left posterior cingulate cortex	-0.027	6.035	0.497	0.942	1429	1186
Right precuneus	-0.026	15.416	0.511	0.942	1427	1186
Right insula	-0.025	8.665	0.526	0.942	1413	1160
Left pericalcarine gyrus	-0.022	8.153	0.589	0.955	1404	1177
Right superior parietal cortex	-0.022	20.627	0.577	0.955	1409	1168
Left isthmus cingulate cortex	-0.021	5.973	0.591	0.955	1429	1186
Left entorhinal cortex	-0.019	3.034	0.649	0.955	1316	1108
Right isthmus cingulate cortex	-0.018	5.372	0.649	0.955	1427	1189
Right lateral occipital cortex	-0.018	19.319	0.649	0.955	1419	1176
Left lingual gyrus	-0.014	14.451	0.732	0.955	1425	1183
Left caudal middle frontal gyrus	-0.014	12.818	0.727	0.955	1427	1177
Right entorhinal cortex	-0.014	5.018	0.732	0.955	1242	1076
Right cuneus	-0.014	7.151	0.718	0.955	1399	1163
Left temporal pole	-0.013	2.327	0.744	0.955	1434	1186
Left medial orbitofrontal cortex	-0.012	8.111	0.765	0.958	1428	1183
Left rostral middle frontal gyrus	-0.011	22.050	0.789	0.958	1427	1179
Right fusiform gyrus	-0.006	13.425	0.887	0.958	1426	1164
Right lateral orbitofrontal cortex	-0.006	9.972	0.876	0.958	1429	1190
Left middle temporal gyrus	-0.006	12.980	0.880	0.958	1319	1089
Right lingual gyrus	-0.002	13.710	0.953	0.978	1431	1186
Left rostral anterior cingulate cortex	<0.001	5.242	0.996	0.996	1413	1170
Right precentral gyrus	0.002	17.675	0.963	0.978	1403	1159
Right postcentral gyrus	0.003	15.200	0.942	0.978	1412	1172
Right inferior temporal cortex gyrus	0.005	14.837	0.903	0.959	1399	1184
Right temporal pole	0.006	2.379	0.885	0.958	1428	1166
Right caudal middle frontal gyrus	0.006	13.091	0.887	0.958	1421	1183

<b>Left caudal anterior cingulate cortex</b>	0.007	4.928	0.854	0.958	1413	1169
<b>Left paracentral lobule</b>	0.007	6.424	0.867	0.958	1428	1183
<b>Right rostral middle frontal gyrus</b>	0.008	22.713	0.838	0.958	1422	1186
<b>Right medial orbitofrontal cortex</b>	0.013	6.701	0.742	0.955	1426	1183
<b>Right pars orbitalis</b>	0.014	3.570	0.732	0.955	1429	1189
<b>Right frontal pole</b>	0.016	1.669	0.688	0.955	1432	1188
<b>Left precentral gyrus</b>	0.019	16.022	0.636	0.955	1406	1171
<b>Right banks superior temporal sulcus</b>	0.026	5.108	0.526	0.942	1319	1104
<b>Left inferior parietal cortex</b>	0.029	20.759	0.466	0.932	1363	1141
<b>Right parahippocampal gyrus</b>	0.030	3.670	0.446	0.919	1418	1182
<b>Left banks superior temporal sulcus</b>	0.034	6.205	0.409	0.911	1282	1079
<b>Right paracentral lobule</b>	0.036	7.530	0.362	0.911	1430	1186
<b>Left precuneus</b>	0.040	14.064	0.313	0.899	1424	1189
<b>Left fusiform gyrus</b>	0.043	13.905	0.273	0.899	1426	1182
<b>Right inferior parietal cortex</b>	0.053	23.328	0.184	0.853	1377	1154
<b>Left parahippocampal gyrus</b>	0.069	3.851	0.080	0.700	1422	1182

**TABLE S13c:** Full mega-analytic results for surface area of each structure for the adult OCD patients with current comorbid depression compared with adult patients without, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoCurDep vs CurDep)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients with current depression</b>	<b>N patients with no current depression</b>
<b>Right rostral anterior cingulate cortex</b>	-0.157	10.363	0.065	0.746	160	1176
<b>Left paracentral lobule</b>	-0.148	13.393	0.078	0.748	166	1183
<b>Left caudal middle frontal gyrus</b>	-0.115	27.931	0.177	0.989	161	1177
<b>Right isthmus cingulate cortex</b>	-0.112	11.827	0.181	0.989	166	1189
<b>Right precentral gyrus</b>	-0.088	38.801	0.309	0.989	156	1159
<b>Left precentral gyrus</b>	-0.080	35.226	0.345	0.989	162	1171
<b>Left lateral occipital cortex</b>	-0.068	39.166	0.420	0.989	165	1174
<b>Right caudal middle frontal gyrus</b>	-0.061	28.037	0.470	0.989	162	1183
<b>Right pars orbitalis</b>	-0.050	7.613	0.555	0.989	165	1189
<b>Left isthmus cingulate cortex</b>	-0.046	12.893	0.582	0.989	165	1186
<b>Left parahippocampal gyrus</b>	-0.043	8.345	0.610	0.989	166	1182
<b>Right pars opercularis</b>	-0.036	18.243	0.668	0.989	161	1178
<b>Left banks superior temporal sulcus</b>	-0.035	13.510	0.694	0.989	147	1079
<b>Right postcentral gyrus</b>	-0.035	32.220	0.678	0.989	160	1172
<b>Right pericalcarine gyrus</b>	-0.029	18.251	0.733	0.989	165	1171
<b>Right lateral occipital cortex</b>	-0.028	40.892	0.745	0.989	162	1176
<b>Left precuneus</b>	-0.024	30.528	0.777	0.989	163	1189
<b>Right caudal anterior cingulate cortex</b>	-0.022	11.823	0.793	0.989	159	1184
<b>Left rostral anterior cingulate cortex</b>	-0.021	10.987	0.806	0.989	163	1170
<b>Left fusiform gyrus</b>	-0.021	29.789	0.800	0.989	166	1182
<b>Right frontal pole</b>	-0.017	3.611	0.835	0.989	166	1188
<b>Left transverse temporal cortex</b>	-0.015	5.986	0.858	0.989	164	1188
<b>Right cuneus</b>	-0.015	15.570	0.858	0.989	161	1163
<b>Left lingual gyrus</b>	-0.013	30.348	0.880	0.989	166	1183
<b>Right superior parietal cortex</b>	-0.013	43.663	0.880	0.989	160	1168

Left superior temporal gyrus	-0.012	30.516	0.898	0.989	137	1069
Left superior frontal gyrus	-0.009	50.143	0.916	0.989	155	1142
Right paracentral lobule	-0.002	16.328	0.979	0.996	166	1186
Left surface area	-0.001	384.272	0.994	1.000	166	1191
Left cuneus	-0.001	15.998	0.990	0.996	159	1166
Right transverse temporal cortex	<0.001	4.480	0.996	0.996	166	1189
Left superior parietal cortex	<0.001	44.484	0.996	0.996	158	1171
Left pars triangularis	0.004	15.061	0.964	0.996	165	1185
Left pars opercularis	0.009	20.417	0.913	0.989	164	1185
Left pars orbitalis	0.011	6.092	0.892	0.989	164	1184
Right superior frontal gyrus	0.011	50.378	0.898	0.989	160	1178
Right parahippocampal gyrus	0.011	7.782	0.898	0.989	165	1182
Right lingual gyrus	0.022	30.143	0.789	0.989	165	1186
Left supramarginal gyrus	0.022	40.164	0.803	0.989	144	1092
Right superior temporal gyrus	0.026	26.118	0.765	0.989	151	1096
Left pericalcarine gyrus	0.027	17.222	0.745	0.989	164	1177
Right inferior parietal cortex	0.029	49.997	0.736	0.989	159	1154
Left inferior parietal cortex	0.030	44.537	0.728	0.989	161	1141
Left medial orbitofrontal cortex	0.033	17.264	0.698	0.989	166	1183
Left insula	0.034	16.570	0.685	0.989	165	1167
Right precuneus	0.037	32.663	0.659	0.989	164	1186
Right rostral middle frontal gyrus	0.037	46.514	0.659	0.989	166	1186
Left inferior temporal cortex gyrus	0.038	32.812	0.655	0.989	164	1165
Left posterior cingulate cortex	0.041	12.597	0.627	0.989	165	1186
Left frontal pole	0.042	2.807	0.615	0.989	163	1186
Right surface area	0.048	388.579	0.567	1.000	165	1190
Left postcentral gyrus	0.051	34.044	0.548	0.989	160	1166
Right supramarginal gyrus	0.053	38.462	0.550	0.989	148	1103
Right posterior cingulate cortex	0.053	13.499	0.531	0.989	165	1188

<b>Right insula</b>	0.057	18.162	0.502	0.989	162	1160
<b>Left lateral orbitofrontal cortex</b>	0.076	19.618	0.367	0.989	165	1188
<b>Left rostral middle frontal gyrus</b>	0.083	45.961	0.324	0.989	165	1179
<b>Left temporal pole</b>	0.085	4.886	0.311	0.989	166	1186
<b>Right fusiform gyrus</b>	0.085	28.971	0.328	0.989	155	1164
<b>Left caudal anterior cingulate cortex</b>	0.096	10.657	0.257	0.989	164	1169
<b>Right banks superior temporal sulcus</b>	0.100	10.933	0.259	0.989	147	1104
<b>Right temporal pole</b>	0.106	5.016	0.220	0.989	156	1166
<b>Left entorhinal cortex</b>	0.114	6.740	0.212	0.989	137	1108
<b>Right inferior temporal cortex gyrus</b>	0.133	32.182	0.116	0.873	163	1184
<b>Right lateral orbitofrontal cortex</b>	0.143	20.951	0.088	0.748	166	1190
<b>Right medial orbitofrontal cortex</b>	0.161	14.293	0.056	0.746	164	1183
<b>Left middle temporal gyrus</b>	0.165	28.067	0.066	0.746	144	1089
<b>Right entorhinal cortex</b>	0.193	7.884	0.042	0.746	127	1076
<b>Right pars triangularis</b>	0.232	19.083	0.007	0.248	156	1166
<b>Right middle temporal gyrus</b>	0.247	26.967	0.004	0.248	161	1167

**TABLE S14a:** Full mega-analytic results for cortical thickness of each structure for the pediatric OCD patients with current comorbid depression compared with pediatric healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (CurDep vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left isthmus cingulate cortex	-0.576	0.045	0.004	0.243	322	29
Left cuneus	-0.547	0.032	0.007	0.243	320	28
Left precuneus	-0.378	0.030	0.057	0.986	320	29
Left lateral occipital cortex	-0.368	0.026	0.068	0.986	319	28
Right postcentral gyrus	-0.290	0.028	0.159	0.986	309	27
Left lingual gyrus	-0.277	0.028	0.170	0.986	321	28
Left superior parietal cortex	-0.276	0.026	0.165	0.986	317	29
Left banks superior temporal sulcus	-0.229	0.043	0.259	0.986	297	28
Right lateral occipital cortex	-0.227	0.027	0.253	0.986	321	29
Right superior parietal cortex	-0.224	0.028	0.267	0.986	320	28
Left cortical thickness	-0.199	0.021	0.316	0.986	324	29
Right precuneus	-0.198	0.028	0.319	0.986	324	29
Left middle temporal gyrus	-0.190	0.041	0.356	0.986	309	27
Left pericalcarine gyrus	-0.169	0.031	0.410	0.986	320	27
Left fusiform gyrus	-0.166	0.029	0.405	0.986	314	29
Left postcentral gyrus	-0.164	0.025	0.409	0.986	312	29
Left pars opercularis	-0.146	0.036	0.494	0.986	319	25
Left superior temporal gyrus	-0.142	0.037	0.489	0.986	304	27
Right lingual gyrus	-0.138	0.028	0.487	0.986	323	29
Left precentral gyrus	-0.124	0.032	0.546	0.986	313	27
Right pericalcarine gyrus	-0.121	0.032	0.542	0.986	323	29
Left inferior temporal cortex gyrus	-0.106	0.037	0.606	0.986	315	27
Right paracentral lobule	-0.096	0.036	0.627	0.986	323	29
Left inferior parietal cortex	-0.089	0.035	0.682	0.986	301	24
Left entorhinal cortex	-0.089	0.083	0.677	0.986	287	25

Right medial orbitofrontal cortex	-0.083	0.041	0.681	0.986	319	28
Left temporal pole	-0.063	0.087	0.749	0.986	321	29
Right caudal middle frontal gyrus	-0.059	0.038	0.768	0.986	318	28
Left rostral middle frontal gyrus	-0.058	0.031	0.771	0.986	321	29
Right transverse temporal cortex	-0.051	0.046	0.796	0.986	320	29
Right banks superior temporal sulcus	-0.050	0.042	0.807	0.986	298	28
Right insula	-0.042	0.040	0.838	0.986	312	27
Left medial orbitofrontal cortex	-0.037	0.040	0.852	0.986	320	29
Right cortical thickness	-0.032	0.022	0.873	0.986	324	29
Left pars orbitalis	-0.026	0.052	0.896	0.986	322	29
Right superior frontal gyrus	-0.021	0.036	0.919	0.986	310	28
Left superior frontal gyrus	-0.015	0.035	0.939	0.986	316	29
Right isthmus cingulate cortex	-0.014	0.048	0.946	0.986	322	28
Right pars triangularis	-0.011	0.039	0.956	0.986	321	26
Left supramarginal gyrus	-0.007	0.032	0.971	0.986	299	28
Right inferior parietal cortex	-0.004	0.033	0.986	0.986	309	29
Right entorhinal cortex	0.004	0.088	0.986	0.986	276	23
Right cuneus	0.014	0.035	0.946	0.986	323	27
Right pars opercularis	0.018	0.039	0.933	0.986	316	26
Right fusiform gyrus	0.021	0.031	0.919	0.986	314	27
Right lateral orbitofrontal cortex	0.021	0.037	0.917	0.986	322	29
Left posterior cingulate cortex	0.027	0.038	0.893	0.986	320	29
Right superior temporal gyrus	0.037	0.035	0.853	0.986	298	29
Right rostral anterior cingulate cortex	0.047	0.061	0.818	0.986	310	28
Right rostral middle frontal gyrus	0.052	0.033	0.792	0.986	317	29
Left insula	0.053	0.035	0.793	0.986	315	28
Left paracentral lobule	0.057	0.037	0.777	0.986	321	28
Left frontal pole	0.057	0.073	0.775	0.986	323	29
Right frontal pole	0.064	0.077	0.746	0.986	319	29

Right parahippocampal gyrus	0.073	0.054	0.714	0.986	317	29
Left lateral orbitofrontal cortex	0.096	0.036	0.630	0.986	324	29
Left transverse temporal cortex	0.100	0.046	0.615	0.986	322	29
Left pars triangularis	0.119	0.038	0.567	0.986	321	26
Right middle temporal gyrus	0.120	0.037	0.552	0.986	307	28
Right pars orbitalis	0.123	0.054	0.541	0.986	322	28
Right temporal pole	0.126	0.087	0.527	0.986	322	29
Right supramarginal gyrus	0.147	0.033	0.469	0.986	303	28
Right posterior cingulate cortex	0.166	0.036	0.402	0.986	322	29
Left caudal anterior cingulate cortex	0.167	0.057	0.400	0.986	316	29
Left caudal middle frontal gyrus	0.189	0.033	0.340	0.986	321	29
Left rostral anterior cingulate cortex	0.194	0.054	0.328	0.986	316	29
Right inferior temporal cortex gyrus	0.244	0.037	0.226	0.986	320	28
Right precentral gyrus	0.248	0.032	0.245	0.986	312	25
Right caudal anterior cingulate cortex	0.255	0.057	0.208	0.986	310	28
Left parahippocampal gyrus	0.336	0.064	0.091	0.986	317	29



**TABLE S14b:** Full mega-analytic results for cortical thickness of each structure for the pediatric OCD patients with no current comorbid depression compared with pediatric healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (NoCurDep vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left inferior parietal cortex	-0.330	0.013	4.613E-05	0.003	301	333
Right superior parietal cortex	-0.256	0.011	0.001	0.031	320	346
Right inferior parietal cortex	-0.250	0.013	0.002	0.031	309	335
Left superior parietal cortex	-0.248	0.011	0.002	0.031	317	346
Left lateral occipital cortex	-0.213	0.010	0.007	0.097	319	346
Left precuneus	-0.206	0.012	0.009	0.103	320	346
Left supramarginal gyrus	-0.185	0.013	0.022	0.196	299	328
Right cuneus	-0.181	0.013	0.021	0.196	323	346
Right caudal middle frontal gyrus	-0.175	0.015	0.027	0.208	318	344
Left cuneus	-0.159	0.012	0.044	0.277	320	347
Left cortical thickness	-0.159	0.008	0.042	0.277	324	350
Right cortical thickness	-0.146	0.008	0.061	0.355	324	350
Left pericalcarine gyrus	-0.141	0.012	0.073	0.383	320	347
Right precuneus	-0.136	0.012	0.082	0.383	324	343
Right lateral occipital cortex	-0.133	0.011	0.090	0.394	321	345
Left posterior cingulate cortex	-0.124	0.015	0.114	0.433	320	344
Right banks superior temporal sulcus	-0.122	0.017	0.133	0.433	298	328
Left banks superior temporal sulcus	-0.122	0.017	0.136	0.433	297	314
Right pericalcarine gyrus	-0.120	0.012	0.126	0.433	323	345
Left transverse temporal cortex	-0.118	0.018	0.133	0.433	322	347
Right posterior cingulate cortex	-0.117	0.014	0.136	0.433	322	344
Left isthmus cingulate cortex	-0.113	0.018	0.149	0.454	322	343
Left middle temporal gyrus	-0.112	0.016	0.162	0.466	309	335
Left paracentral lobule	-0.109	0.015	0.166	0.466	321	347
Right supramarginal gyrus	-0.105	0.013	0.190	0.489	303	332

Right rostral middle frontal gyrus	-0.102	0.013	0.196	0.489	317	347
Left precentral gyrus	-0.093	0.012	0.239	0.545	313	343
Left fusiform gyrus	-0.093	0.012	0.236	0.545	314	346
Right precentral gyrus	-0.090	0.012	0.256	0.561	312	343
Right middle temporal gyrus	-0.087	0.015	0.275	0.582	307	335
Left lingual gyrus	-0.082	0.011	0.294	0.598	321	347
Left postcentral gyrus	-0.081	0.010	0.308	0.598	312	335
Left caudal middle frontal gyrus	-0.081	0.014	0.299	0.598	321	348
Left superior frontal gyrus	-0.078	0.014	0.322	0.609	316	341
Right postcentral gyrus	-0.077	0.011	0.332	0.611	309	339
Right inferior temporal cortex gyrus	-0.074	0.014	0.349	0.615	320	339
Right superior frontal gyrus	-0.074	0.015	0.351	0.615	310	341
Left frontal pole	-0.071	0.030	0.361	0.617	323	348
Right isthmus cingulate cortex	-0.070	0.017	0.375	0.625	322	344
Left inferior temporal cortex gyrus	-0.068	0.015	0.392	0.639	315	343
Right fusiform gyrus	-0.066	0.012	0.403	0.641	314	347
Right rostral anterior cingulate cortex	-0.061	0.023	0.443	0.690	310	342
Right parahippocampal gyrus	-0.053	0.022	0.501	0.749	317	341
Right insula	-0.052	0.015	0.510	0.749	312	339
Right pars triangularis	-0.049	0.015	0.533	0.761	321	348
Right paracentral lobule	-0.048	0.014	0.544	0.761	323	346
Right pars orbitalis	-0.046	0.020	0.560	0.769	322	348
Left parahippocampal gyrus	-0.042	0.025	0.590	0.793	317	343
Left medial orbitofrontal cortex	-0.037	0.016	0.642	0.833	320	343
Left rostral middle frontal gyrus	-0.031	0.012	0.690	0.878	321	349
Right superior temporal gyrus	-0.030	0.015	0.713	0.882	298	331
Left pars triangularis	-0.028	0.015	0.718	0.882	321	349
Left pars opercularis	-0.026	0.014	0.742	0.895	319	346
Left entorhinal cortex	-0.021	0.031	0.794	0.911	287	323

Left caudal anterior cingulate cortex	-0.019	0.023	0.812	0.916	316	339
Right transverse temporal cortex	-0.017	0.019	0.832	0.924	320	349
Left pars orbitalis	-0.014	0.021	0.863	0.930	322	346
Right pars opercularis	-0.014	0.015	0.860	0.930	316	346
Right lingual gyrus	-0.011	0.011	0.884	0.937	323	349
Right entorhinal cortex	-0.002	0.032	0.978	0.978	276	304
Right temporal pole	0.007	0.035	0.931	0.944	322	343
Right frontal pole	0.007	0.029	0.931	0.944	319	349
Left insula	0.008	0.014	0.923	0.944	315	341
Left temporal pole	0.021	0.034	0.787	0.911	321	343
Left superior temporal gyrus	0.022	0.015	0.781	0.911	304	326
Right caudal anterior cingulate cortex	0.041	0.022	0.600	0.793	310	345
Right lateral orbitofrontal cortex	0.051	0.015	0.513	0.749	322	348
Left rostral anterior cingulate cortex	0.093	0.022	0.241	0.545	316	338
Left lateral orbitofrontal cortex	0.104	0.015	0.182	0.489	324	349
Right medial orbitofrontal cortex	0.138	0.016	0.081	0.383	319	341

**TABLE S14c:** Full mega-analytic results for cortical thickness of each structure for the pediatric OCD patients with current comorbid depression compared with pediatric patients without, controlling for age, sex and scan center.

	Cohen's d <sup>a</sup> (NoCurDep vs CurDep)	Standard Error	P-value	FDR P-value	N patients with current depression	N patients with no current depression
Left isthmus cingulate cortex	-0.434	0.046	0.028	0.957	29	343
Left lateral occipital cortex	-0.411	0.026	0.041	0.957	28	346
Left cuneus	-0.370	0.028	0.066	0.957	28	347
Right lateral occipital cortex	-0.345	0.026	0.080	0.957	29	345
Left entorhinal cortex	-0.307	0.080	0.148	0.957	25	323
Left superior temporal gyrus	-0.285	0.038	0.164	0.957	27	326
Right postcentral gyrus	-0.272	0.028	0.184	0.957	27	339
Left precuneus	-0.206	0.031	0.297	0.957	29	346
Left banks superior temporal sulcus	-0.206	0.040	0.306	0.957	28	314
Left fusiform gyrus	-0.205	0.030	0.298	0.957	29	346
Left lingual gyrus	-0.198	0.028	0.324	0.957	28	347
Left inferior temporal cortex gyrus	-0.188	0.040	0.357	0.957	27	343
Left middle temporal gyrus	-0.187	0.039	0.360	0.957	27	335
Right medial orbitofrontal cortex	-0.181	0.044	0.368	0.957	28	341
Left temporal pole	-0.145	0.088	0.462	0.957	29	343
Right insula	-0.137	0.040	0.502	0.957	27	339
Left pars opercularis	-0.134	0.037	0.526	0.957	25	346
Left insula	-0.119	0.036	0.552	0.957	28	341
Right pericalcarine gyrus	-0.116	0.030	0.555	0.957	29	345
Left cortical thickness	-0.115	0.022	0.561	0.957	29	350
Left postcentral gyrus	-0.102	0.027	0.606	0.957	29	335
Left lateral orbitofrontal cortex	-0.066	0.040	0.737	0.957	29	349
Right pars opercularis	-0.059	0.039	0.777	0.957	26	346
Left pericalcarine gyrus	-0.053	0.031	0.796	0.957	27	347
Right precuneus	-0.053	0.031	0.788	0.957	29	343

Left pars orbitalis	-0.053	0.055	0.787	0.957	29	346
Left superior parietal cortex	-0.051	0.029	0.797	0.957	29	346
Right paracentral lobule	-0.047	0.036	0.810	0.957	29	346
Right entorhinal cortex	-0.046	0.083	0.836	0.957	23	304
Right superior temporal gyrus	-0.034	0.037	0.865	0.957	29	331
Left medial orbitofrontal cortex	-0.031	0.042	0.876	0.957	29	343
Right lingual gyrus	-0.028	0.029	0.887	0.957	29	349
Left posterior cingulate cortex	-0.027	0.037	0.893	0.957	29	344
Right transverse temporal cortex	-0.025	0.049	0.901	0.957	29	349
Right superior parietal cortex	-0.021	0.030	0.916	0.957	28	346
Right rostral anterior cingulate cortex	-0.007	0.059	0.974	0.974	28	342
Left rostral anterior cingulate cortex	0.009	0.060	0.963	0.974	29	338
Right posterior cingulate cortex	0.018	0.033	0.928	0.957	29	344
Right banks superior temporal sulcus	0.018	0.042	0.930	0.957	28	328
Right lateral orbitofrontal cortex	0.031	0.038	0.874	0.957	29	348
Left rostral middle frontal gyrus	0.031	0.032	0.877	0.957	29	349
Right fusiform gyrus	0.035	0.030	0.865	0.957	27	347
Left transverse temporal cortex	0.037	0.047	0.850	0.957	29	347
Left precentral gyrus	0.040	0.031	0.843	0.957	27	343
Right cortical thickness	0.060	0.022	0.760	0.957	29	350
Right parahippocampal gyrus	0.066	0.060	0.738	0.957	29	341
Right temporal pole	0.076	0.089	0.699	0.957	29	343
Right pars triangularis	0.077	0.040	0.710	0.957	26	348
Right caudal middle frontal gyrus	0.077	0.040	0.702	0.957	28	344
Left caudal anterior cingulate cortex	0.080	0.061	0.686	0.957	29	339
Left frontal pole	0.083	0.080	0.672	0.957	29	348
Right cuneus	0.088	0.034	0.665	0.957	27	346
Right middle temporal gyrus	0.096	0.039	0.631	0.957	28	335
Left pars triangularis	0.111	0.041	0.593	0.957	26	349

Left inferior parietal cortex	0.115	0.034	0.595	0.957	24	333
Left superior frontal gyrus	0.121	0.037	0.540	0.957	29	341
Right inferior parietal cortex	0.125	0.033	0.525	0.957	29	335
Right superior frontal gyrus	0.136	0.039	0.496	0.957	28	341
Right rostral middle frontal gyrus	0.151	0.033	0.443	0.957	29	347
Left supramarginal gyrus	0.166	0.034	0.409	0.957	28	328
Right inferior temporal cortex gyrus	0.173	0.038	0.389	0.957	28	339
Right caudal anterior cingulate cortex	0.174	0.058	0.386	0.957	28	345
Left paracentral lobule	0.188	0.037	0.347	0.957	28	347
Right frontal pole	0.213	0.072	0.280	0.957	29	349
Right supramarginal gyrus	0.223	0.032	0.267	0.957	28	332
Right pars orbitalis	0.226	0.051	0.259	0.957	28	348
Right isthmus cingulate cortex	0.227	0.044	0.257	0.957	28	344
Left caudal middle frontal gyrus	0.269	0.038	0.173	0.957	29	348
Right precentral gyrus	0.284	0.034	0.180	0.957	25	343
Left parahippocampal gyrus	0.288	0.061	0.145	0.957	29	343

**TABLE S15a:** Full mega-analytic results for surface area of each structure for the pediatric OCD patients with current comorbid depression compared with pediatric healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (CurDep vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
<b>Left inferior parietal cortex</b>	-0.455	112.972	0.037	0.990	301	24
<b>Left postcentral gyrus</b>	-0.295	84.188	0.139	0.990	312	29
<b>Left fusiform gyrus</b>	-0.277	71.366	0.165	0.990	314	29
<b>Right postcentral gyrus</b>	-0.271	81.630	0.189	0.990	309	27
<b>Left lateral orbitofrontal cortex</b>	-0.257	50.667	0.195	0.990	324	29
<b>Right fusiform gyrus</b>	-0.230	70.939	0.265	0.990	314	27
<b>Left cuneus</b>	-0.228	39.605	0.260	0.990	320	28
<b>Left pericalcarine gyrus</b>	-0.221	45.839	0.282	0.990	320	27
<b>Right middle temporal gyrus</b>	-0.220	73.079	0.277	0.990	307	28
<b>Right pericalcarine gyrus</b>	-0.213	50.257	0.284	0.990	323	29
<b>Right superior frontal gyrus</b>	-0.202	131.715	0.319	0.990	310	28
<b>Left paracentral lobule</b>	-0.192	37.149	0.342	0.990	321	28
<b>Left precentral gyrus</b>	-0.183	88.600	0.373	0.990	313	27
<b>Right inferior parietal cortex</b>	-0.175	122.731	0.379	0.990	309	29
<b>Right superior temporal gyrus</b>	-0.172	65.119	0.390	0.990	298	29
<b>Right surface area</b>	-0.170	987.939	0.393	1.000	324	29
<b>Left superior frontal gyrus</b>	-0.160	125.904	0.421	0.990	316	29
<b>Right medial orbitofrontal cortex</b>	-0.159	38.041	0.430	0.990	319	28
<b>Left parahippocampal gyrus</b>	-0.154	21.624	0.440	0.990	317	29
<b>Right paracentral lobule</b>	-0.149	41.250	0.454	0.990	323	29
<b>Right rostral middle frontal gyrus</b>	-0.133	129.609	0.503	0.990	317	29
<b>Left caudal anterior cingulate cortex</b>	-0.114	26.999	0.568	0.990	316	29
<b>Right entorhinal cortex</b>	-0.104	18.025	0.641	0.990	276	23
<b>Right cuneus</b>	-0.098	42.611	0.632	0.990	323	27
<b>Left surface area</b>	-0.092	978.052	0.645	1.000	324	29

Right posterior cingulate cortex	-0.092	32.767	0.644	0.990	322	29
Right precuneus	-0.089	84.396	0.655	0.990	324	29
Right inferior temporal cortex gyrus	-0.082	81.835	0.686	0.990	320	28
Right precentral gyrus	-0.082	87.096	0.700	0.990	312	25
Right parahippocampal gyrus	-0.077	18.976	0.699	0.990	317	29
Left entorhinal cortex	-0.076	16.172	0.723	0.990	287	25
Right transverse temporal cortex	-0.075	10.312	0.707	0.990	320	29
Left rostral anterior cingulate cortex	-0.074	28.532	0.711	0.990	316	29
Right banks superior temporal sulcus	-0.068	25.531	0.739	0.990	298	28
Right lingual gyrus	-0.049	78.703	0.805	0.990	323	29
Left superior temporal gyrus	-0.039	72.470	0.850	0.990	304	27
Left caudal middle frontal gyrus	-0.037	72.449	0.852	0.990	321	29
Right lateral occipital cortex	-0.027	101.613	0.893	0.990	321	29
Left frontal pole	-0.024	6.918	0.903	0.990	323	29
Right pars opercularis	-0.023	45.253	0.912	0.990	316	26
Left lateral occipital cortex	-0.023	100.161	0.909	0.990	319	28
Left temporal pole	-0.022	13.043	0.912	0.990	321	29
Left rostral middle frontal gyrus	-0.013	126.109	0.948	0.990	321	29
Right superior parietal cortex	-0.012	110.257	0.954	0.990	320	28
Left banks superior temporal sulcus	-0.007	33.484	0.974	0.990	297	28
Right frontal pole	0.001	9.681	0.994	0.994	319	29
Left superior parietal cortex	0.006	108.165	0.976	0.990	317	29
Left pars orbitalis	0.008	16.667	0.968	0.990	322	29
Left insula	0.011	41.523	0.956	0.990	315	28
Right caudal middle frontal gyrus	0.013	71.492	0.950	0.990	318	28
Right caudal anterior cingulate cortex	0.015	28.627	0.940	0.990	310	28
Left posterior cingulate cortex	0.023	34.525	0.908	0.990	320	29
Left precuneus	0.026	79.542	0.897	0.990	320	29
Left pars triangularis	0.035	39.958	0.866	0.990	321	26



Right lateral orbitofrontal cortex	0.045	55.522	0.822	0.990	322	29
Right insula	0.062	41.157	0.762	0.990	312	27
Right pars orbitalis	0.064	20.080	0.752	0.990	322	28
Right pars triangularis	0.067	49.734	0.749	0.990	321	26
Left middle temporal gyrus	0.070	62.632	0.734	0.990	309	27
Left lingual gyrus	0.088	79.434	0.661	0.990	321	28
Left inferior temporal cortex gyrus	0.098	94.892	0.635	0.990	315	27
Left transverse temporal cortex	0.100	13.462	0.614	0.990	322	29
Right rostral anterior cingulate cortex	0.165	24.213	0.415	0.990	310	28
Left supramarginal gyrus	0.179	92.826	0.378	0.990	299	28
Right supramarginal gyrus	0.189	96.292	0.352	0.990	303	28
Right temporal pole	0.193	13.164	0.332	0.990	322	29
Left pars opercularis	0.204	54.313	0.338	0.990	319	25
Left medial orbitofrontal cortex	0.218	42.730	0.274	0.990	320	29
Right isthmus cingulate cortex	0.291	27.149	0.149	0.990	322	28
Left isthmus cingulate cortex	0.351	30.836	0.078	0.990	322	29

**TABLE S15b:** Full mega-analytic results for surface area of each structure for the pediatric OCD patients with no current comorbid depression compared with pediatric healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoCurDep vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left posterior cingulate cortex	-0.274	13.397	0.001	0.036	320	343
Right medial orbitofrontal cortex	-0.233	14.817	0.003	0.110	319	340
Right paracentral lobule	-0.222	16.251	0.005	0.110	323	345
Right superior frontal gyrus	-0.210	52.090	0.009	0.145	310	340
Left inferior parietal cortex	-0.207	41.269	0.011	0.145	301	332
Left medial orbitofrontal cortex	-0.189	17.569	0.016	0.187	320	342
Left rostral middle frontal gyrus	-0.179	48.333	0.023	0.205	321	348
Right posterior cingulate cortex	-0.171	13.107	0.030	0.205	322	343
Left lateral orbitofrontal cortex	-0.171	21.519	0.029	0.205	324	348
Right fusiform gyrus	-0.154	27.582	0.052	0.319	314	346
Left paracentral lobule	-0.148	14.081	0.060	0.338	321	346
Left middle temporal gyrus	-0.145	25.890	0.071	0.343	309	334
Right pars triangularis	-0.141	17.718	0.073	0.343	321	347
Left superior frontal gyrus	-0.141	48.485	0.076	0.343	316	340
Left insula	-0.134	16.586	0.092	0.368	315	340
Right lateral occipital cortex	-0.130	40.396	0.098	0.368	321	344
Right rostral middle frontal gyrus	-0.122	50.347	0.122	0.430	317	346
Right surface area	-0.121	400.583	0.121	1.000	324	349
Right cuneus	-0.120	15.641	0.127	0.430	323	345
Left surface area	-0.111	393.942	0.155	1.000	324	349
Left postcentral gyrus	-0.110	33.419	0.170	0.525	312	334
Left pars orbitalis	-0.109	6.303	0.163	0.525	322	345
Right pars orbitalis	-0.105	7.583	0.180	0.533	322	347
Left superior parietal cortex	-0.101	44.261	0.201	0.570	317	345
Right lingual gyrus	-0.096	30.533	0.220	0.596	323	348

Right lateral orbitofrontal cortex	-0.094	22.220	0.233	0.596	322	347
Left pericalcarine gyrus	-0.091	17.477	0.245	0.596	320	346
Left cuneus	-0.085	15.195	0.280	0.635	320	346
Right superior parietal cortex	-0.085	43.684	0.279	0.635	320	345
Left caudal anterior cingulate cortex	-0.081	10.442	0.308	0.666	316	338
Left precuneus	-0.079	31.263	0.313	0.666	320	345
Left pars opercularis	-0.071	19.759	0.366	0.753	319	345
Right supramarginal gyrus	-0.068	37.790	0.400	0.776	303	331
Left rostral anterior cingulate cortex	-0.063	11.350	0.430	0.790	316	337
Right insula	-0.063	17.091	0.425	0.790	312	338
Right inferior parietal cortex	-0.058	48.478	0.466	0.833	309	334
Right pericalcarine gyrus	-0.055	18.726	0.483	0.833	323	344
Right postcentral gyrus	-0.050	31.710	0.534	0.858	309	338
Left lingual gyrus	-0.049	30.791	0.532	0.858	321	346
Left precentral gyrus	-0.045	32.647	0.567	0.876	313	342
Left caudal middle frontal gyrus	-0.037	27.988	0.634	0.952	321	347
Right parahippocampal gyrus	-0.030	7.911	0.708	0.952	317	340
Right pars opercularis	-0.028	16.559	0.718	0.952	316	345
Right precentral gyrus	-0.024	32.078	0.761	0.952	312	342
Right precuneus	-0.022	32.768	0.782	0.952	324	342
Right isthmus cingulate cortex	-0.017	10.639	0.825	0.952	322	343
Right rostral anterior cingulate cortex	-0.017	9.763	0.826	0.952	310	341
Left fusiform gyrus	-0.013	29.023	0.866	0.964	314	345
Right middle temporal gyrus	-0.009	28.789	0.915	0.964	307	334
Right caudal middle frontal gyrus	-0.005	27.338	0.951	0.964	318	343
Left banks superior temporal sulcus	-0.004	13.499	0.964	0.964	297	313
Left lateral occipital cortex	0.004	38.313	0.957	0.964	319	345
Left entorhinal cortex	0.006	6.201	0.939	0.964	287	322
Left superior temporal gyrus	0.006	28.970	0.939	0.964	304	325

Left inferior temporal cortex gyrus	0.007	34.559	0.934	0.964	315	342
Right caudal anterior cingulate cortex	0.009	10.920	0.911	0.964	310	344
Left frontal pole	0.018	2.851	0.817	0.952	323	347
Left supramarginal gyrus	0.019	38.257	0.819	0.952	299	327
Right superior temporal gyrus	0.022	26.526	0.781	0.952	298	330
Right inferior temporal cortex gyrus	0.024	32.165	0.761	0.952	320	338
Right temporal pole	0.025	4.958	0.754	0.952	322	342
Left pars triangularis	0.027	14.510	0.734	0.952	321	348
Left transverse temporal cortex	0.035	5.433	0.651	0.952	322	346
Right banks superior temporal sulcus	0.036	10.635	0.661	0.952	298	327
Left parahippocampal gyrus	0.048	8.448	0.542	0.858	317	342
Right entorhinal cortex	0.058	6.545	0.490	0.833	276	303
Left isthmus cingulate cortex	0.068	12.054	0.388	0.775	322	343
Right transverse temporal cortex	0.093	4.499	0.237	0.596	320	348
Left temporal pole	0.131	5.191	0.097	0.368	321	342
Right frontal pole	0.176	3.533	0.025	0.205	319	348

**TABLE S15c:** Full mega-analytic results for surface area of each structure for the pediatric OCD patients with current comorbid depression compared with pediatric patients without, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoCurDep vs CurDep)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients with current depression</b>	<b>N patients with no current depression</b>
Left inferior parietal cortex	-0.404	113.987	0.062	0.989	24	332
Right entorhinal cortex	-0.287	17.075	0.195	0.989	23	303
Right transverse temporal cortex	-0.272	12.316	0.168	0.989	29	348
Right superior temporal gyrus	-0.244	67.598	0.218	0.989	29	330
Left fusiform gyrus	-0.230	74.602	0.245	0.989	29	345
Left superior frontal gyrus	-0.214	123.022	0.279	0.989	29	340
Left precentral gyrus	-0.212	85.299	0.300	0.989	27	342
Left superior temporal gyrus	-0.192	75.891	0.348	0.989	27	325
Left paracentral lobule	-0.191	34.847	0.343	0.989	28	346
Right postcentral gyrus	-0.169	84.791	0.408	0.989	27	338
Left rostral anterior cingulate cortex	-0.164	30.404	0.406	0.989	29	337
Left temporal pole	-0.157	13.202	0.427	0.989	29	342
Right precuneus	-0.142	85.667	0.473	0.989	29	342
Right inferior temporal cortex gyrus	-0.142	85.561	0.479	0.989	28	338
Right inferior parietal cortex	-0.141	125.461	0.477	0.989	29	334
Left lateral orbitofrontal cortex	-0.123	59.158	0.534	0.989	29	348
Right middle temporal gyrus	-0.121	74.389	0.546	0.989	28	334
Right frontal pole	-0.120	8.583	0.544	0.989	29	348
Right caudal anterior cingulate cortex	-0.113	27.562	0.574	0.989	28	344
Right posterior cingulate cortex	-0.110	32.539	0.577	0.989	29	343
Right surface area	-0.093	1070.146	0.636	1.000	29	349
Right fusiform gyrus	-0.092	71.725	0.651	0.989	27	346
Left parahippocampal gyrus	-0.084	20.790	0.669	0.989	29	342
Left cuneus	-0.081	39.173	0.686	0.989	28	346
Left postcentral gyrus	-0.080	84.508	0.686	0.989	29	334

Right precentral gyrus	-0.077	86.890	0.718	0.989	25	342
Right paracentral lobule	-0.077	42.398	0.696	0.989	29	345
Right rostral middle frontal gyrus	-0.073	129.894	0.711	0.989	29	346
Right pars opercularis	-0.066	44.093	0.751	0.989	26	345
Left entorhinal cortex	-0.044	16.736	0.835	0.989	25	322
Right lateral orbitofrontal cortex	-0.041	57.881	0.836	0.989	29	347
Left pars orbitalis	-0.041	15.810	0.835	0.989	29	345
Left banks superior temporal sulcus	-0.029	33.344	0.885	0.989	28	313
Right pericalcarine gyrus	-0.026	45.875	0.896	0.989	29	344
Left pars triangularis	-0.024	39.146	0.908	0.989	26	348
Right superior frontal gyrus	-0.024	138.510	0.904	0.989	28	340
Left caudal anterior cingulate cortex	-0.022	26.956	0.910	0.989	29	338
Left precuneus	-0.021	82.017	0.917	0.989	29	345
Right parahippocampal gyrus	-0.016	21.348	0.936	0.989	29	340
Right pars orbitalis	-0.016	19.461	0.935	0.989	28	347
Left surface area	-0.008	1062.518	0.966	1.000	29	349
Right pars triangularis	-0.001	46.108	0.995	0.995	26	347
Right insula	0.005	46.103	0.982	0.995	27	338
Right medial orbitofrontal cortex	0.010	38.374	0.960	0.989	28	340
Left caudal middle frontal gyrus	0.011	68.156	0.954	0.989	29	347
Left pericalcarine gyrus	0.013	46.083	0.950	0.989	27	346
Right superior parietal cortex	0.014	116.114	0.945	0.989	28	345
Left inferior temporal cortex gyrus	0.015	88.072	0.940	0.989	27	342
Left lateral occipital cortex	0.028	100.401	0.888	0.989	28	345
Left insula	0.033	43.503	0.869	0.989	28	340
Right banks superior temporal sulcus	0.035	27.507	0.861	0.989	28	327
Right lateral occipital cortex	0.036	103.465	0.854	0.989	29	344
Right caudal middle frontal gyrus	0.038	70.266	0.852	0.989	28	343
Left frontal pole	0.046	7.625	0.814	0.989	29	347

Left rostral middle frontal gyrus	0.070	122.974	0.724	0.989	29	348
Right cuneus	0.075	40.687	0.713	0.989	27	345
Left transverse temporal cortex	0.077	13.896	0.698	0.989	29	346
Right temporal pole	0.105	12.129	0.594	0.989	29	342
Right rostral anterior cingulate cortex	0.119	26.174	0.552	0.989	28	341
Left supramarginal gyrus	0.119	102.219	0.554	0.989	28	327
Left superior parietal cortex	0.119	118.895	0.546	0.989	29	345
Right supramarginal gyrus	0.143	96.416	0.477	0.989	28	331
Right lingual gyrus	0.207	76.168	0.294	0.989	29	348
Left posterior cingulate cortex	0.211	34.069	0.286	0.989	29	343
Left middle temporal gyrus	0.219	71.131	0.284	0.989	27	334
Left lingual gyrus	0.242	78.642	0.229	0.989	28	346
Left medial orbitofrontal cortex	0.262	45.331	0.186	0.989	29	342
Right isthmus cingulate cortex	0.272	28.405	0.175	0.989	28	343
Left isthmus cingulate cortex	0.289	31.791	0.144	0.989	29	343
Left pars opercularis	0.355	54.360	0.094	0.989	25	345

**TABLE S16a:** Full mega-analytic results for cortical thickness of each structure for the adult OCD patients with current comorbid anxiety compared with adult healthy controls, controlling for age, sex and scan centers.

	<b>Cohen's d<sup>a</sup> (CurAnx vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
<b>Right middle temporal gyrus</b>	-0.214	0.012	0.004	0.255	1402	217
<b>Left medial orbitofrontal cortex</b>	-0.162	0.013	0.027	0.547	1430	220
<b>Right rostral middle frontal gyrus</b>	-0.155	0.010	0.033	0.547	1424	223
<b>Left superior frontal gyrus</b>	-0.151	0.012	0.046	0.547	1413	204
<b>Right medial orbitofrontal cortex</b>	-0.148	0.014	0.042	0.547	1428	223
<b>Left rostral middle frontal gyrus</b>	-0.141	0.010	0.053	0.547	1429	222
<b>Left pars opercularis</b>	-0.140	0.011	0.055	0.547	1427	223
<b>Left inferior parietal cortex</b>	-0.130	0.010	0.083	0.583	1364	208
<b>Right pars opercularis</b>	-0.129	0.012	0.078	0.583	1418	220
<b>Left middle temporal gyrus</b>	-0.129	0.013	0.096	0.614	1320	195
<b>Left inferior temporal cortex gyrus</b>	-0.114	0.012	0.120	0.624	1383	221
<b>Right caudal middle frontal gyrus</b>	-0.110	0.012	0.131	0.624	1423	222
<b>Right inferior temporal cortex gyrus</b>	-0.106	0.012	0.147	0.624	1400	222
<b>Right lateral orbitofrontal cortex</b>	-0.104	0.013	0.152	0.624	1431	224
<b>Right inferior parietal cortex</b>	-0.090	0.010	0.222	0.777	1379	215
<b>Right superior frontal gyrus</b>	-0.089	0.011	0.227	0.777	1410	217
<b>Left pars triangularis</b>	-0.087	0.012	0.233	0.777	1434	222
<b>Left caudal middle frontal gyrus</b>	-0.084	0.011	0.254	0.785	1429	218
<b>Right cortical thickness</b>	-0.079	0.007	0.277	0.785	1435	221
<b>Left cortical thickness</b>	-0.077	0.007	0.291	0.785	1435	224
<b>Left frontal pole</b>	-0.077	0.024	0.289	0.785	1435	221
<b>Right fusiform gyrus</b>	-0.072	0.011	0.333	0.846	1428	210
<b>Left entorhinal cortex</b>	-0.070	0.030	0.371	0.846	1318	193
<b>Right pars triangularis</b>	-0.065	0.012	0.383	0.846	1423	210
<b>Left pars orbitalis</b>	-0.054	0.017	0.458	0.846	1431	220



Left lateral orbitofrontal cortex	-0.050	0.012	0.492	0.846	1433	222
Left rostral anterior cingulate cortex	-0.050	0.019	0.497	0.846	1415	217
Right posterior cingulate cortex	-0.050	0.012	0.491	0.846	1427	222
Left lingual gyrus	-0.049	0.010	0.495	0.846	1427	224
Left lateral occipital cortex	-0.045	0.010	0.535	0.871	1419	222
Left precuneus	-0.042	0.010	0.564	0.897	1426	224
Right entorhinal cortex	-0.041	0.034	0.611	0.898	1244	177
Right pars orbitalis	-0.038	0.017	0.598	0.898	1431	223
Left insula	-0.033	0.013	0.653	0.898	1414	221
Left posterior cingulate cortex	-0.033	0.012	0.646	0.898	1431	224
Left fusiform gyrus	-0.028	0.011	0.699	0.921	1428	223
Left parahippocampal gyrus	-0.026	0.023	0.717	0.921	1424	220
Left isthmus cingulate cortex	-0.022	0.015	0.767	0.921	1431	222
Right precentral gyrus	-0.022	0.010	0.773	0.921	1405	209
Left cuneus	-0.020	0.010	0.788	0.921	1404	223
Left caudal anterior cingulate cortex	-0.020	0.022	0.790	0.921	1415	217
Right precuneus	-0.019	0.010	0.794	0.921	1429	223
Right parahippocampal gyrus	-0.017	0.020	0.816	0.921	1420	223
Right isthmus cingulate cortex	-0.017	0.015	0.814	0.921	1429	224
Right temporal pole	-0.009	0.029	0.906	0.943	1430	210
Left superior parietal cortex	-0.009	0.009	0.898	0.943	1417	219
Right frontal pole	-0.007	0.024	0.920	0.943	1434	223
Right caudal anterior cingulate cortex	0.001	0.019	0.988	0.988	1422	218
Right lateral occipital cortex	0.007	0.010	0.929	0.943	1421	220
Right supramarginal gyrus	0.008	0.011	0.919	0.943	1321	192
Right lingual gyrus	0.013	0.010	0.859	0.943	1433	223
Right rostral anterior cingulate cortex	0.013	0.019	0.865	0.943	1413	217
Left banks superior temporal sulcus	0.024	0.014	0.757	0.921	1284	193
Left precentral gyrus	0.026	0.010	0.722	0.921	1408	219

<b>Right insula</b>	0.033	0.013	0.654	0.898	1415	218
<b>Left supramarginal gyrus</b>	0.039	0.011	0.618	0.898	1310	191
<b>Right paracentral lobule</b>	0.040	0.011	0.578	0.898	1432	224
<b>Right superior parietal cortex</b>	0.049	0.010	0.508	0.846	1411	215
<b>Right cuneus</b>	0.050	0.011	0.493	0.846	1401	219
<b>Left temporal pole</b>	0.058	0.027	0.424	0.846	1435	223
<b>Right pericalcarine gyrus</b>	0.060	0.010	0.410	0.846	1409	222
<b>Right banks superior temporal sulcus</b>	0.061	0.014	0.430	0.846	1321	193
<b>Left superior temporal gyrus</b>	0.062	0.013	0.425	0.846	1296	195
<b>Right transverse temporal cortex</b>	0.062	0.017	0.397	0.846	1434	223
<b>Left paracentral lobule</b>	0.070	0.011	0.339	0.846	1430	223
<b>Left postcentral gyrus</b>	0.080	0.009	0.279	0.785	1403	215
<b>Left pericalcarine gyrus</b>	0.095	0.010	0.196	0.760	1406	221
<b>Left transverse temporal cortex</b>	0.106	0.016	0.147	0.624	1433	222
<b>Right postcentral gyrus</b>	0.114	0.009	0.122	0.624	1414	214
<b>Right superior temporal gyrus</b>	0.137	0.013	0.076	0.583	1316	197

**TABLE S16b:** Full mega-analytic results for cortical thickness of each structure for the adult OCD patients with no current comorbid anxiety compared with adult healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (NoCurAnx vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left inferior parietal cortex	-0.160	0.006	<0.001	0.004	1364	1076
Right inferior parietal cortex	-0.155	0.006	<0.001	0.004	1379	1081
Left fusiform gyrus	-0.151	0.006	<0.001	0.004	1428	1105
Left precuneus	-0.128	0.006	0.002	0.021	1426	1108
Left cortical thickness	-0.128	0.004	0.001	0.021	1435	1113
Left lateral orbitofrontal cortex	-0.124	0.007	0.002	0.021	1433	1111
Right parahippocampal gyrus	-0.124	0.011	0.002	0.021	1420	1105
Right precuneus	-0.120	0.006	0.003	0.025	1429	1107
Right fusiform gyrus	-0.115	0.006	0.005	0.034	1428	1090
Left middle temporal gyrus	-0.114	0.007	0.007	0.036	1320	1021
Right lateral orbitofrontal cortex	-0.113	0.007	0.005	0.034	1431	1112
Right medial orbitofrontal cortex	-0.111	0.008	0.006	0.035	1428	1103
Right cortical thickness	-0.110	0.004	0.006	0.035	1435	1111
Right middle temporal gyrus	-0.104	0.007	0.011	0.053	1402	1092
Left parahippocampal gyrus	-0.098	0.013	0.015	0.070	1424	1108
Left inferior temporal cortex gyrus	-0.095	0.007	0.020	0.083	1383	1088
Right lateral occipital cortex	-0.093	0.006	0.021	0.083	1421	1098
Right insula	-0.092	0.008	0.024	0.083	1415	1086
Left posterior cingulate cortex	-0.091	0.007	0.024	0.083	1431	1108
Right isthmus cingulate cortex	-0.091	0.008	0.024	0.083	1429	1111
Left superior parietal cortex	-0.090	0.005	0.027	0.089	1417	1090
Left caudal middle frontal gyrus	-0.087	0.006	0.032	0.094	1429	1100
Left insula	-0.087	0.007	0.031	0.094	1414	1091
Left pars orbitalis	-0.086	0.009	0.033	0.094	1431	1108
Left entorhinal cortex	-0.086	0.016	0.040	0.094	1318	1032

Left supramarginal gyrus	-0.086	0.006	0.039	0.094	1310	1029
Right pars orbitalis	-0.085	0.009	0.036	0.094	1431	1111
Left pars opercularis	-0.085	0.006	0.036	0.094	1427	1106
Left lateral occipital cortex	-0.084	0.006	0.037	0.094	1419	1097
Left rostral middle frontal gyrus	-0.083	0.006	0.039	0.094	1429	1102
Left banks superior temporal sulcus	-0.074	0.008	0.080	0.154	1284	1018
Left isthmus cingulate cortex	-0.072	0.008	0.075	0.154	1431	1109
Right superior parietal cortex	-0.072	0.005	0.077	0.154	1411	1093
Right posterior cingulate cortex	-0.071	0.007	0.079	0.154	1427	1111
Left cuneus	-0.071	0.006	0.082	0.154	1404	1082
Right caudal middle frontal gyrus	-0.071	0.007	0.079	0.154	1423	1103
Right rostral middle frontal gyrus	-0.071	0.006	0.077	0.154	1424	1109
Right pars triangularis	-0.068	0.007	0.093	0.170	1423	1092
Left medial orbitofrontal cortex	-0.065	0.007	0.108	0.190	1430	1109
Left rostral anterior cingulate cortex	-0.065	0.010	0.108	0.190	1415	1095
Left superior frontal gyrus	-0.063	0.006	0.124	0.211	1413	1074
Right pars opercularis	-0.059	0.007	0.147	0.243	1418	1099
Right inferior temporal cortex gyrus	-0.058	0.007	0.149	0.243	1400	1105
Right cuneus	-0.057	0.006	0.162	0.258	1401	1085
Right lingual gyrus	-0.053	0.005	0.186	0.289	1433	1108
Left frontal pole	-0.052	0.013	0.199	0.297	1435	1108
Right caudal anterior cingulate cortex	-0.052	0.010	0.197	0.297	1422	1107
Right precentral gyrus	-0.050	0.006	0.216	0.315	1405	1088
Left lingual gyrus	-0.049	0.005	0.226	0.323	1427	1105
Left paracentral lobule	-0.048	0.006	0.232	0.324	1430	1106
Right transverse temporal cortex	-0.047	0.009	0.242	0.333	1434	1112
Left precentral gyrus	-0.043	0.006	0.285	0.384	1408	1094
Left transverse temporal cortex	-0.042	0.009	0.292	0.386	1433	1110
Left superior temporal gyrus	-0.037	0.007	0.381	0.482	1296	999

<b>Right superior temporal gyrus</b>	-0.036	0.007	0.396	0.482	1316	1033
<b>Right superior frontal gyrus</b>	-0.034	0.006	0.399	0.482	1410	1103
<b>Left postcentral gyrus</b>	-0.034	0.005	0.396	0.482	1403	1091
<b>Left pars triangularis</b>	-0.029	0.007	0.472	0.551	1434	1108
<b>Right supramarginal gyrus</b>	-0.027	0.006	0.515	0.591	1321	1044
<b>Right banks superior temporal sulcus</b>	-0.022	0.007	0.596	0.673	1321	1041
<b>Right entorhinal cortex</b>	-0.016	0.017	0.699	0.777	1244	1011
<b>Right paracentral lobule</b>	-0.012	0.006	0.769	0.841	1432	1108
<b>Left caudal anterior cingulate cortex</b>	-0.006	0.012	0.876	0.914	1415	1096
<b>Left pericalcarine gyrus</b>	-0.005	0.005	0.901	0.914	1406	1100
<b>Right rostral anterior cingulate cortex</b>	-0.005	0.010	0.894	0.914	1413	1100
<b>Right temporal pole</b>	0.001	0.016	0.977	0.977	1430	1092
<b>Left temporal pole</b>	0.007	0.015	0.868	0.914	1435	1109
<b>Right pericalcarine gyrus</b>	0.009	0.006	0.818	0.881	1409	1094
<b>Right postcentral gyrus</b>	0.031	0.005	0.438	0.520	1414	1099
<b>Right frontal pole</b>	0.041	0.013	0.311	0.403	1434	1111

**TABLE S16c:** Full mega-analytic results for cortical thickness of each structure for the adult OCD patients with comorbid current anxiety compared with adult patients without, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (NoCurAnx vs CurAnx)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients with current anxiety</b>	<b>N patients with no current anxiety</b>
Left superior frontal gyrus	-0.200	0.013	0.010	0.668	204	1074
Right rostral middle frontal gyrus	-0.141	0.011	0.057	0.987	223	1109
Right superior frontal gyrus	-0.134	0.012	0.074	0.987	217	1103
Right frontal pole	-0.117	0.025	0.114	0.987	223	1111
Left rostral middle frontal gyrus	-0.107	0.011	0.152	0.987	222	1102
Left caudal middle frontal gyrus	-0.107	0.013	0.154	0.987	218	1100
Left frontal pole	-0.104	0.025	0.162	0.987	221	1108
Left medial orbitofrontal cortex	-0.100	0.015	0.180	0.987	220	1109
Right middle temporal gyrus	-0.094	0.013	0.210	0.987	217	1092
Right supramarginal gyrus	-0.089	0.013	0.263	0.987	192	1044
Right entorhinal cortex	-0.085	0.036	0.305	0.987	177	1011
Left lingual gyrus	-0.083	0.011	0.260	0.987	224	1105
Right caudal middle frontal gyrus	-0.082	0.013	0.272	0.987	222	1103
Right pars opercularis	-0.076	0.013	0.309	0.987	220	1099
Left inferior parietal cortex	-0.065	0.012	0.397	0.987	208	1076
Left pars opercularis	-0.060	0.012	0.419	0.987	223	1106
Left rostral anterior cingulate cortex	-0.055	0.021	0.466	0.987	217	1095
Left pars triangularis	-0.049	0.014	0.508	0.987	222	1108
Right medial orbitofrontal cortex	-0.040	0.015	0.592	0.987	223	1103
Right lateral orbitofrontal cortex	-0.038	0.014	0.607	0.987	224	1112
Right inferior temporal cortex gyrus	-0.036	0.014	0.627	0.987	222	1105
Left cortical thickness	-0.036	0.008	0.623	0.987	224	1113
Left superior parietal cortex	-0.035	0.010	0.638	0.987	219	1090
Right cortical thickness	-0.034	0.008	0.651	0.987	221	1111
Right precentral gyrus	-0.028	0.012	0.711	0.987	209	1088

Left caudal anterior cingulate cortex	-0.027	0.024	0.718	0.987	217	1096
Right inferior parietal cortex	-0.026	0.011	0.734	0.987	215	1081
Right caudal anterior cingulate cortex	-0.024	0.021	0.753	0.987	218	1107
Right lateral occipital cortex	-0.024	0.012	0.750	0.987	220	1098
Left lateral occipital cortex	-0.021	0.011	0.783	0.987	222	1097
Left insula	-0.013	0.014	0.858	0.987	221	1091
Right pars orbitalis	-0.011	0.018	0.883	0.987	223	1111
Right lingual gyrus	-0.011	0.011	0.882	0.987	223	1108
Left precuneus	-0.009	0.011	0.908	0.987	224	1108
Right pericalcarine gyrus	-0.007	0.011	0.930	0.987	222	1094
Left pars orbitalis	-0.002	0.018	0.982	0.987	220	1108
Left isthmus cingulate cortex	-0.002	0.017	0.974	0.987	222	1109
Left entorhinal cortex	0.001	0.033	0.987	0.987	193	1032
Left inferior temporal cortex gyrus	0.002	0.014	0.977	0.987	221	1088
Right posterior cingulate cortex	0.004	0.014	0.956	0.987	222	1111
Right isthmus cingulate cortex	0.005	0.017	0.942	0.987	224	1111
Right rostral anterior cingulate cortex	0.007	0.021	0.923	0.987	217	1100
Right temporal pole	0.010	0.033	0.900	0.987	210	1092
Left lateral orbitofrontal cortex	0.017	0.014	0.824	0.987	222	1111
Left precentral gyrus	0.018	0.011	0.809	0.987	219	1094
Right banks superior temporal sulcus	0.019	0.015	0.806	0.987	193	1041
Left posterior cingulate cortex	0.019	0.014	0.794	0.987	224	1108
Right transverse temporal cortex	0.019	0.018	0.795	0.987	223	1112
Right pars triangularis	0.021	0.013	0.779	0.987	210	1092
Right postcentral gyrus	0.025	0.010	0.743	0.987	214	1099
Right superior parietal cortex	0.026	0.010	0.731	0.987	215	1093
Right paracentral lobule	0.027	0.013	0.711	0.987	224	1108
Left middle temporal gyrus	0.032	0.014	0.684	0.987	195	1021
Left cuneus	0.037	0.011	0.619	0.987	223	1082

<b>Left pericalcarine gyrus</b>	0.040	0.011	0.592	0.987	221	1100
<b>Left postcentral gyrus</b>	0.042	0.010	0.581	0.987	215	1091
<b>Left parahippocampal gyrus</b>	0.043	0.026	0.561	0.987	220	1108
<b>Left transverse temporal cortex</b>	0.043	0.018	0.566	0.987	222	1110
<b>Left supramarginal gyrus</b>	0.043	0.013	0.593	0.987	191	1029
<b>Right precuneus</b>	0.044	0.011	0.551	0.987	223	1107
<b>Right cuneus</b>	0.047	0.012	0.529	0.987	219	1085
<b>Left temporal pole</b>	0.051	0.030	0.490	0.987	223	1109
<b>Left superior temporal gyrus</b>	0.059	0.014	0.453	0.987	195	999
<b>Right fusiform gyrus</b>	0.062	0.012	0.416	0.987	210	1090
<b>Left paracentral lobule</b>	0.078	0.013	0.295	0.987	223	1106
<b>Left fusiform gyrus</b>	0.080	0.012	0.281	0.987	223	1105
<b>Left banks superior temporal sulcus</b>	0.096	0.015	0.226	0.987	193	1018
<b>Right parahippocampal gyrus</b>	0.100	0.021	0.176	0.987	223	1105
<b>Right insula</b>	0.110	0.015	0.143	0.987	218	1086
<b>Right superior temporal gyrus</b>	0.115	0.014	0.142	0.987	197	1033



**TABLE S17a:** Full mega-analytic results for surface area of each structure for the adult OCD patients with current comorbid anxiety compared with adult healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (CurAnx vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left transverse temporal cortex	-0.220	5.501	0.003	0.171	1431	222
Left posterior cingulate cortex	-0.147	11.469	0.043	0.591	1429	224
Left pars opercularis	-0.126	18.819	0.083	0.607	1425	223
Right superior temporal gyrus	-0.126	23.734	0.102	0.607	1314	197
Right middle temporal gyrus	-0.110	24.604	0.134	0.607	1401	217
Left superior parietal cortex	-0.100	39.970	0.172	0.714	1415	219
Left supramarginal gyrus	-0.094	36.149	0.229	0.779	1308	191
Right postcentral gyrus	-0.092	29.034	0.214	0.779	1412	214
Right superior frontal gyrus	-0.079	44.541	0.286	0.812	1408	217
Right superior parietal cortex	-0.079	39.264	0.284	0.812	1409	215
Left pars triangularis	-0.078	13.286	0.284	0.812	1432	222
Left caudal middle frontal gyrus	-0.074	24.386	0.313	0.818	1427	218
Left superior temporal gyrus	-0.066	28.006	0.398	0.889	1294	195
Left superior frontal gyrus	-0.060	44.121	0.428	0.889	1411	204
Left lateral orbitofrontal cortex	-0.059	17.441	0.414	0.889	1431	222
Left postcentral gyrus	-0.056	29.710	0.448	0.889	1401	215
Right caudal anterior cingulate cortex	-0.052	11.050	0.482	0.889	1420	218
Right supramarginal gyrus	-0.051	34.016	0.516	0.889	1319	192
Left insula	-0.045	14.803	0.534	0.889	1412	221
Right rostral anterior cingulate cortex	-0.042	9.092	0.568	0.889	1411	217
Right precentral gyrus	-0.042	34.125	0.570	0.889	1403	209
Right posterior cingulate cortex	-0.040	12.053	0.583	0.889	1425	222
Left paracentral lobule	-0.039	12.310	0.589	0.889	1428	223
Right transverse temporal cortex	-0.036	4.001	0.625	0.889	1432	223
Right precuneus	-0.036	28.968	0.625	0.889	1427	223

Right frontal pole	-0.034	3.149	0.642	0.889	1432	223
Left medial orbitofrontal cortex	-0.032	15.442	0.662	0.889	1428	220
Left frontal pole	-0.029	2.504	0.687	0.889	1433	221
Right pars triangularis	-0.029	16.575	0.693	0.889	1421	210
Left lingual gyrus	-0.023	27.068	0.755	0.920	1425	224
Left surface area	-0.023	346.870	0.747	1.000	1433	224
Right pars opercularis	-0.018	15.699	0.801	0.927	1416	220
Right isthmus cingulate cortex	-0.015	9.844	0.838	0.928	1427	224
Left isthmus cingulate cortex	-0.013	11.138	0.860	0.928	1429	222
Left cuneus	-0.009	13.646	0.903	0.931	1402	223
Right insula	0.003	16.485	0.963	0.963	1413	218
Right paracentral lobule	0.004	14.198	0.951	0.963	1430	224
Right temporal pole	0.010	4.660	0.893	0.931	1428	210
Left rostral anterior cingulate cortex	0.011	10.104	0.876	0.931	1413	217
Right surface area	0.011	351.601	0.884	1.000	1434	223
Right lateral occipital cortex	0.014	36.973	0.846	0.928	1419	220
Right inferior temporal cortex gyrus	0.017	27.648	0.819	0.928	1399	222
Left pericalcarine gyrus	0.018	15.352	0.804	0.927	1404	221
Right cuneus	0.020	13.248	0.785	0.927	1399	219
Left fusiform gyrus	0.022	26.086	0.757	0.920	1426	223
Left caudal anterior cingulate cortex	0.024	9.276	0.747	0.920	1413	217
Right pericalcarine gyrus	0.030	16.583	0.682	0.889	1407	222
Right caudal middle frontal gyrus	0.032	24.686	0.663	0.889	1421	222
Left precentral gyrus	0.035	30.024	0.636	0.889	1406	219
Right fusiform gyrus	0.039	25.998	0.602	0.889	1426	210
Left inferior parietal cortex	0.044	39.291	0.556	0.889	1363	208
Left lateral occipital cortex	0.046	35.493	0.524	0.889	1417	222
Right entorhinal cortex	0.049	11.587	0.550	0.889	1242	177
Left entorhinal cortex	0.056	5.881	0.469	0.889	1316	193

Left inferior temporal cortex gyrus	0.061	29.326	0.402	0.889	1382	221
Left temporal pole	0.061	4.399	0.404	0.889	1434	223
Left rostral middle frontal gyrus	0.074	42.782	0.309	0.818	1427	222
Right inferior parietal cortex	0.083	43.757	0.263	0.812	1377	215
Right lingual gyrus	0.090	25.318	0.218	0.779	1431	223
Right banks superior temporal sulcus	0.105	10.163	0.178	0.714	1319	193
Right lateral orbitofrontal cortex	0.112	18.843	0.123	0.607	1429	224
Left pars orbitalis	0.112	5.459	0.127	0.607	1429	220
Left precuneus	0.116	26.347	0.109	0.607	1424	224
Left middle temporal gyrus	0.117	24.888	0.130	0.607	1319	195
Right pars orbitalis	0.117	6.715	0.107	0.607	1429	223
Right parahippocampal gyrus	0.118	6.935	0.106	0.607	1418	223
Left parahippocampal gyrus	0.120	7.267	0.100	0.607	1422	220
Right medial orbitofrontal cortex	0.149	12.514	0.041	0.591	1426	223
Right rostral middle frontal gyrus	0.153	43.823	0.035	0.591	1422	223
Left banks superior temporal sulcus	0.189	11.820	0.016	0.533	1282	193

**TABLE S17b:** Full mega-analytic results for surface area of each structure for the adult OCD patients with no current comorbid anxiety compared with adult healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoCurAnx vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
<b>Left transverse temporal cortex</b>	-0.149	2.914	<0.001	0.015	1431	1109
<b>Right transverse temporal cortex</b>	-0.112	2.172	0.005	0.182	1432	1111
<b>Right superior temporal gyrus</b>	-0.107	12.571	0.011	0.241	1314	1032
<b>Left pars triangularis</b>	-0.090	7.161	0.025	0.428	1432	1107
<b>Left superior frontal gyrus</b>	-0.079	23.520	0.053	0.552	1411	1073
<b>Left postcentral gyrus</b>	-0.078	16.252	0.056	0.552	1401	1090
<b>Right posterior cingulate cortex</b>	-0.076	6.507	0.060	0.552	1425	1110
<b>Right rostral anterior cingulate cortex</b>	-0.075	4.930	0.065	0.552	1411	1100
<b>Left surface area</b>	-0.070	186.881	0.083	1.000	1433	1112
<b>Left lateral occipital cortex</b>	-0.070	19.320	0.085	0.563	1417	1096
<b>Right supramarginal gyrus</b>	-0.070	17.854	0.094	0.563	1319	1043
<b>Right pericalcarine gyrus</b>	-0.066	8.953	0.106	0.563	1407	1093
<b>Left pars opercularis</b>	-0.066	10.172	0.103	0.563	1425	1105
<b>Right superior frontal gyrus</b>	-0.065	23.882	0.108	0.563	1408	1102
<b>Left superior temporal gyrus</b>	-0.064	14.639	0.129	0.584	1294	998
<b>Left lateral orbitofrontal cortex</b>	-0.062	9.482	0.121	0.584	1431	1110
<b>Left cuneus</b>	-0.060	7.473	0.144	0.590	1402	1081
<b>Left pars orbitalis</b>	-0.058	2.958	0.148	0.590	1429	1107
<b>Right caudal anterior cingulate cortex</b>	-0.055	5.835	0.171	0.646	1420	1106
<b>Right pars opercularis</b>	-0.053	8.607	0.194	0.693	1416	1099
<b>Right surface area</b>	-0.052	188.974	0.199	1.000	1434	1111
<b>Left inferior temporal cortex gyrus</b>	-0.050	15.953	0.225	0.764	1382	1087
<b>Right lateral occipital cortex</b>	-0.046	19.721	0.251	0.797	1419	1097
<b>Left insula</b>	-0.045	8.072	0.272	0.805	1412	1090
<b>Right cuneus</b>	-0.041	7.443	0.313	0.823	1399	1084

Right isthmus cingulate cortex	-0.040	5.506	0.319	0.823	1427	1110
Left supramarginal gyrus	-0.039	19.110	0.351	0.823	1308	1028
Left pericalcarine gyrus	-0.038	8.394	0.350	0.823	1404	1099
Left superior parietal cortex	-0.036	21.497	0.375	0.823	1415	1089
Left frontal pole	-0.032	1.364	0.428	0.878	1433	1107
Left isthmus cingulate cortex	-0.031	6.131	0.444	0.878	1429	1108
Left caudal middle frontal gyrus	-0.030	13.190	0.453	0.878	1427	1099
Right precuneus	-0.029	15.931	0.467	0.878	1427	1106
Right lateral orbitofrontal cortex	-0.028	10.325	0.490	0.878	1429	1111
Right insula	-0.028	8.916	0.484	0.878	1413	1085
Left entorhinal cortex	-0.025	3.150	0.554	0.906	1316	1032
Right superior parietal cortex	-0.024	21.278	0.559	0.906	1409	1092
Left lingual gyrus	-0.021	14.842	0.600	0.927	1425	1104
Right pars orbitalis	-0.020	3.669	0.614	0.927	1429	1110
Left temporal pole	-0.019	2.393	0.646	0.927	1434	1108
Right rostral middle frontal gyrus	-0.017	23.340	0.681	0.927	1422	1108
Right pars triangularis	-0.017	9.100	0.680	0.927	1421	1091
Left medial orbitofrontal cortex	-0.016	8.329	0.695	0.927	1428	1108
Right lingual gyrus	-0.016	14.010	0.691	0.927	1431	1107
Right entorhinal cortex	-0.016	5.147	0.705	0.927	1242	1010
Left rostral middle frontal gyrus	-0.015	22.645	0.712	0.927	1427	1101
Right middle temporal gyrus	-0.014	13.227	0.736	0.927	1401	1092
Left middle temporal gyrus	-0.011	13.424	0.784	0.953	1319	1020
Right precentral gyrus	-0.009	18.109	0.829	0.972	1403	1087
Left precentral gyrus	-0.009	16.584	0.819	0.972	1406	1093
Left posterior cingulate cortex	-0.008	6.241	0.849	0.974	1429	1107
Right caudal middle frontal gyrus	-0.007	13.445	0.859	0.974	1421	1102
Left rostral anterior cingulate cortex	-0.006	5.344	0.881	0.982	1413	1094
Left paracentral lobule	-0.004	6.622	0.929	0.983	1428	1105

Right fusiform gyrus	-0.002	13.813	0.954	0.983	1426	1089
Right medial orbitofrontal cortex	-0.001	6.888	0.990	0.992	1426	1103
Right temporal pole	<0.001	2.448	0.992	0.992	1428	1091
Right inferior temporal cortex gyrus	0.003	15.226	0.947	0.983	1399	1104
Left banks superior temporal sulcus	0.004	6.340	0.927	0.983	1282	1017
Right postcentral gyrus	0.004	15.710	0.928	0.983	1412	1098
Right parahippocampal gyrus	0.013	3.796	0.751	0.928	1418	1104
Left precuneus	0.014	14.454	0.732	0.927	1424	1107
Left caudal anterior cingulate cortex	0.023	5.037	0.575	0.910	1413	1095
Left inferior parietal cortex	0.025	21.434	0.545	0.906	1363	1075
Right banks superior temporal sulcus	0.028	5.222	0.507	0.885	1319	1040
Right frontal pole	0.033	1.708	0.413	0.877	1432	1110
Right inferior parietal cortex	0.037	24.385	0.364	0.823	1377	1080
Left fusiform gyrus	0.038	14.279	0.344	0.823	1426	1104
Right paracentral lobule	0.043	7.650	0.289	0.819	1430	1107
Left parahippocampal gyrus	0.046	3.927	0.258	0.797	1422	1107

**TABLE S17c:** Full mega-analytic results for surface area of each structure for the adult OCD patients with current comorbid anxiety compared with adult patients without, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoCurAnx vs CurAnx)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients with current anxiety</b>	<b>N patients with no current anxiety</b>
<b>Right postcentral gyrus</b>	-0.075	30.680	0.321	0.851	214	1098
<b>Left posterior cingulate cortex</b>	-0.061	12.036	0.410	0.907	224	1107
<b>Left supramarginal gyrus</b>	-0.055	38.337	0.487	0.947	191	1028
<b>Left caudal anterior cingulate cortex</b>	-0.053	10.196	0.480	0.947	217	1095
<b>Right middle temporal gyrus</b>	-0.046	25.882	0.539	0.948	217	1092
<b>Left superior parietal cortex</b>	-0.044	41.758	0.558	0.948	219	1089
<b>Left pars opercularis</b>	-0.038	19.429	0.610	0.951	223	1105
<b>Right paracentral lobule</b>	-0.037	15.518	0.619	0.951	224	1107
<b>Right superior parietal cortex</b>	-0.027	41.765	0.717	0.951	215	1092
<b>Right inferior parietal cortex</b>	-0.022	48.106	0.769	0.951	215	1080
<b>Left isthmus cingulate cortex</b>	-0.015	12.315	0.842	0.951	222	1108
<b>Right frontal pole</b>	-0.015	3.445	0.835	0.951	223	1110
<b>Left paracentral lobule</b>	-0.014	12.886	0.854	0.951	223	1105
<b>Right pars triangularis</b>	-0.012	18.266	0.872	0.951	210	1091
<b>Left frontal pole</b>	-0.010	2.671	0.898	0.951	221	1107
<b>Left transverse temporal cortex</b>	-0.009	5.660	0.906	0.951	222	1109
<b>Right precuneus</b>	-0.005	31.055	0.949	0.958	223	1106
<b>Right superior temporal gyrus</b>	0.004	25.297	0.958	0.958	197	1032
<b>Right caudal anterior cingulate cortex</b>	0.007	11.115	0.921	0.951	218	1106
<b>Left rostral anterior cingulate cortex</b>	0.007	10.396	0.923	0.951	217	1094
<b>Right rostral anterior cingulate cortex</b>	0.008	9.785	0.911	0.951	217	1100
<b>Right fusiform gyrus</b>	0.011	27.615	0.881	0.951	210	1089
<b>Right isthmus cingulate cortex</b>	0.013	11.334	0.859	0.951	224	1110
<b>Left insula</b>	0.015	15.873	0.839	0.951	221	1090
<b>Right precentral gyrus</b>	0.015	36.820	0.849	0.951	209	1087

Right temporal pole	0.016	4.800	0.829	0.951	210	1091
Left lingual gyrus	0.016	29.034	0.826	0.951	224	1104
Left fusiform gyrus	0.017	28.499	0.820	0.951	223	1104
Left medial orbitofrontal cortex	0.020	16.401	0.787	0.951	220	1108
Left superior frontal gyrus	0.028	47.968	0.716	0.951	204	1073
Right pars opercularis	0.029	17.327	0.700	0.951	220	1099
Right insula	0.031	17.348	0.680	0.951	218	1085
Left temporal pole	0.035	4.674	0.641	0.951	223	1108
Left pars triangularis	0.037	14.220	0.616	0.951	222	1107
Right inferior temporal cortex gyrus	0.044	30.607	0.550	0.948	222	1104
Left superior temporal gyrus	0.051	28.291	0.520	0.948	195	998
Left inferior parietal cortex	0.051	42.851	0.508	0.948	208	1075
Right superior frontal gyrus	0.055	47.607	0.464	0.947	217	1102
Right posterior cingulate cortex	0.056	12.951	0.452	0.947	222	1110
Left precentral gyrus	0.061	33.649	0.413	0.907	219	1093
Left lateral orbitofrontal cortex	0.063	18.671	0.400	0.907	222	1110
Left pericalcarine gyrus	0.064	16.474	0.391	0.907	221	1099
Right supramarginal gyrus	0.065	37.508	0.413	0.907	192	1043
Right parahippocampal gyrus	0.073	7.430	0.325	0.851	223	1104
Right transverse temporal cortex	0.076	4.262	0.309	0.851	223	1111
Left caudal middle frontal gyrus	0.077	26.441	0.304	0.851	218	1099
Left postcentral gyrus	0.083	32.318	0.271	0.839	215	1090
Left rostral middle frontal gyrus	0.083	43.683	0.265	0.839	222	1101
Right caudal middle frontal gyrus	0.086	26.602	0.246	0.839	222	1102
Left surface area	0.089	365.033	0.230	1.000	224	1112
Left inferior temporal cortex gyrus	0.089	31.357	0.235	0.839	221	1087
Right banks superior temporal sulcus	0.091	10.513	0.251	0.839	193	1040
Left banks superior temporal sulcus	0.096	13.013	0.225	0.839	193	1017
Right surface area	0.099	368.551	0.184	1.000	223	1111



<b>Left middle temporal gyrus</b>	0.106	26.738	0.178	0.758	195	1020
<b>Left entorhinal cortex</b>	0.109	6.329	0.170	0.758	193	1032
<b>Right lingual gyrus</b>	0.116	28.948	0.117	0.568	223	1107
<b>Right pericalcarine gyrus</b>	0.118	17.455	0.112	0.568	222	1093
<b>Left parahippocampal gyrus</b>	0.128	8.033	0.085	0.484	220	1107
<b>Left precuneus</b>	0.133	28.941	0.072	0.444	224	1107
<b>Left cuneus</b>	0.143	15.040	0.054	0.372	223	1081
<b>Right lateral orbitofrontal cortex</b>	0.149	19.969	0.045	0.372	224	1111
<b>Left lateral occipital cortex</b>	0.153	37.269	0.040	0.372	222	1096
<b>Right rostral middle frontal gyrus</b>	0.156	44.232	0.036	0.372	223	1108
<b>Right entorhinal cortex</b>	0.159	7.395	0.055	0.372	177	1010
<b>Right lateral occipital cortex</b>	0.177	38.963	0.018	0.252	220	1097
<b>Right cuneus</b>	0.177	14.861	0.019	0.252	219	1084
<b>Right pars orbitalis</b>	0.181	7.239	0.015	0.252	223	1110
<b>Left pars orbitalis</b>	0.183	5.835	0.014	0.252	220	1107
<b>Right medial orbitofrontal cortex</b>	0.188	13.522	0.011	0.252	223	1103

**TABLE S18a:** Full mega-analytic results for cortical thickness of each structure for the pediatric OCD patients with current comorbid anxiety compared with pediatric healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (CurAnx vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left inferior parietal cortex	-0.324	0.018	0.003	0.099	301	121
Left supramarginal gyrus	-0.296	0.018	0.006	0.099	299	126
Left precuneus	-0.291	0.016	0.006	0.099	320	130
Right superior parietal cortex	-0.286	0.015	0.008	0.099	320	128
Left superior parietal cortex	-0.278	0.015	0.009	0.099	317	131
Left lateral occipital cortex	-0.277	0.014	0.009	0.099	319	130
Left cuneus	-0.274	0.016	0.010	0.099	320	130
Right rostral middle frontal gyrus	-0.247	0.017	0.020	0.156	317	131
Right cortical thickness	-0.237	0.012	0.024	0.160	324	132
Right precuneus	-0.237	0.016	0.026	0.160	324	129
Right fusiform gyrus	-0.235	0.016	0.027	0.160	314	130
Right postcentral gyrus	-0.218	0.015	0.044	0.205	309	125
Right inferior parietal cortex	-0.216	0.018	0.046	0.205	309	126
Right lateral occipital cortex	-0.213	0.014	0.044	0.205	321	131
Right caudal middle frontal gyrus	-0.212	0.020	0.047	0.205	318	129
Left cortical thickness	-0.203	0.011	0.054	0.223	324	132
Right cuneus	-0.195	0.018	0.066	0.246	323	130
Right paracentral lobule	-0.192	0.020	0.070	0.246	323	130
Left banks superior temporal sulcus	-0.192	0.023	0.078	0.259	297	125
Left precentral gyrus	-0.178	0.017	0.097	0.308	313	127
Right superior frontal gyrus	-0.173	0.019	0.107	0.324	310	127
Left postcentral gyrus	-0.167	0.014	0.121	0.352	312	126
Left pericalcarine gyrus	-0.154	0.016	0.147	0.394	320	130
Right supramarginal gyrus	-0.153	0.018	0.158	0.394	303	125
Left paracentral lobule	-0.152	0.020	0.149	0.394	321	131

Right pars triangularis	-0.147	0.020	0.164	0.394	321	130
Right precentral gyrus	-0.145	0.016	0.178	0.394	312	125
Left posterior cingulate cortex	-0.143	0.020	0.179	0.394	320	129
Left caudal middle frontal gyrus	-0.143	0.019	0.177	0.394	321	130
Left middle temporal gyrus	-0.140	0.021	0.195	0.394	309	126
Right pericalcarine gyrus	-0.140	0.016	0.184	0.394	323	132
Left lingual gyrus	-0.139	0.015	0.187	0.394	321	131
Right middle temporal gyrus	-0.137	0.020	0.203	0.394	307	127
Right pars orbitalis	-0.136	0.028	0.199	0.394	322	130
Right lingual gyrus	-0.127	0.015	0.227	0.429	323	132
Left fusiform gyrus	-0.124	0.015	0.243	0.447	314	130
Left superior frontal gyrus	-0.116	0.019	0.274	0.488	316	129
Left transverse temporal cortex	-0.114	0.025	0.282	0.488	322	131
Right isthmus cingulate cortex	-0.093	0.024	0.380	0.579	322	128
Left isthmus cingulate cortex	-0.093	0.023	0.379	0.579	322	129
Right pars opercularis	-0.082	0.020	0.442	0.646	316	127
Left rostral middle frontal gyrus	-0.081	0.016	0.443	0.646	321	132
Right banks superior temporal sulcus	-0.081	0.023	0.460	0.658	298	122
Left pars opercularis	-0.068	0.018	0.524	0.733	319	128
Left pars orbitalis	-0.065	0.028	0.538	0.738	322	130
Left inferior temporal cortex gyrus	-0.061	0.019	0.567	0.764	315	128
Right inferior temporal cortex gyrus	-0.052	0.020	0.628	0.778	320	126
Left frontal pole	-0.052	0.039	0.619	0.778	323	131
Right insula	-0.051	0.021	0.634	0.778	312	127
Right superior temporal gyrus	-0.049	0.020	0.648	0.781	298	126
Right lateral orbitofrontal cortex	-0.047	0.020	0.658	0.781	322	131
Right posterior cingulate cortex	-0.034	0.019	0.747	0.861	322	130
Right temporal pole	-0.012	0.047	0.912	0.973	322	129
Left insula	-0.004	0.019	0.973	0.973	315	130

Left caudal anterior cingulate cortex	0.004	0.031	0.968	0.973	316	129
Right transverse temporal cortex	0.006	0.025	0.952	0.973	320	132
Left medial orbitofrontal cortex	0.006	0.021	0.953	0.973	320	129
Right caudal anterior cingulate cortex	0.009	0.030	0.934	0.973	310	129
Left entorhinal cortex	0.011	0.042	0.919	0.973	287	118
Right frontal pole	0.022	0.040	0.831	0.923	319	132
Right rostral anterior cingulate cortex	0.027	0.031	0.798	0.901	310	128
Left pars triangularis	0.034	0.020	0.750	0.861	321	129
Left superior temporal gyrus	0.058	0.020	0.592	0.768	304	125
Right entorhinal cortex	0.062	0.044	0.587	0.768	276	112
Left lateral orbitofrontal cortex	0.098	0.019	0.350	0.557	324	132
Left temporal pole	0.102	0.045	0.334	0.547	321	131
Right medial orbitofrontal cortex	0.102	0.021	0.336	0.547	319	130
Right parahippocampal gyrus	0.114	0.031	0.286	0.488	317	127
Left parahippocampal gyrus	0.193	0.034	0.069	0.246	317	129
Left rostral anterior cingulate cortex	0.264	0.029	0.014	0.118	316	128

**TABLE S18b:** Full mega-analytic results for cortical thickness of each structure for the pediatric OCD patients with no current comorbid anxiety compared with pediatric healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (NoCurAnx vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left inferior parietal cortex	-0.323	0.014	2.841E-04	0.020	301	235
Left superior parietal cortex	-0.261	0.012	0.003	0.074	317	243
Right inferior parietal cortex	-0.259	0.014	0.003	0.074	309	237
Right superior parietal cortex	-0.244	0.012	0.005	0.083	320	245
Left lateral occipital cortex	-0.217	0.011	0.012	0.172	319	243
Left precuneus	-0.191	0.013	0.027	0.316	320	244
Left isthmus cingulate cortex	-0.167	0.020	0.053	0.457	322	242
Right cuneus	-0.164	0.014	0.057	0.457	323	242
Left pericalcarine gyrus	-0.163	0.013	0.060	0.457	320	243
Left cortical thickness	-0.155	0.009	0.072	0.457	324	246
Left cuneus	-0.154	0.013	0.074	0.457	320	244
Left parahippocampal gyrus	-0.153	0.027	0.078	0.457	317	242
Right caudal middle frontal gyrus	-0.145	0.016	0.094	0.495	318	242
Right parahippocampal gyrus	-0.141	0.023	0.104	0.495	317	242
Right posterior cingulate cortex	-0.140	0.015	0.106	0.495	322	242
Right banks superior temporal sulcus	-0.137	0.019	0.123	0.539	298	233
Right pericalcarine gyrus	-0.130	0.013	0.132	0.545	323	241
Left middle temporal gyrus	-0.114	0.018	0.195	0.634	309	235
Left supramarginal gyrus	-0.107	0.014	0.231	0.634	299	229
Right lateral occipital cortex	-0.105	0.012	0.223	0.634	321	242
Left posterior cingulate cortex	-0.101	0.017	0.240	0.634	320	243
Left fusiform gyrus	-0.099	0.013	0.254	0.634	314	244
Left inferior temporal cortex gyrus	-0.098	0.016	0.260	0.634	315	241
Left transverse temporal cortex	-0.098	0.020	0.255	0.634	322	244
Left banks superior temporal sulcus	-0.096	0.019	0.290	0.634	297	216

Right cortical thickness	-0.096	0.009	0.261	0.634	324	246
Right rostral anterior cingulate cortex	-0.094	0.026	0.283	0.634	310	241
Right precuneus	-0.094	0.013	0.274	0.634	324	242
Left lingual gyrus	-0.084	0.012	0.330	0.701	321	243
Left medial orbitofrontal cortex	-0.076	0.018	0.380	0.760	320	243
Left frontal pole	-0.075	0.033	0.380	0.760	323	245
Left paracentral lobule	-0.070	0.016	0.417	0.810	321	243
Right insula	-0.069	0.016	0.432	0.818	312	238
Right isthmus cingulate cortex	-0.065	0.019	0.448	0.826	322	243
Right inferior temporal cortex gyrus	-0.063	0.016	0.470	0.843	320	240
Left entorhinal cortex	-0.063	0.034	0.485	0.843	287	229
Right supramarginal gyrus	-0.059	0.014	0.506	0.843	303	234
Left pars triangularis	-0.058	0.016	0.499	0.843	321	245
Left superior frontal gyrus	-0.056	0.015	0.519	0.844	316	240
Left postcentral gyrus	-0.055	0.011	0.530	0.844	312	237
Right transverse temporal cortex	-0.051	0.020	0.557	0.852	320	245
Right middle temporal gyrus	-0.051	0.016	0.560	0.852	307	235
Right postcentral gyrus	-0.041	0.011	0.641	0.945	309	240
Left precentral gyrus	-0.040	0.013	0.648	0.945	313	242
Left temporal pole	-0.038	0.038	0.663	0.946	321	240
Left superior temporal gyrus	-0.037	0.016	0.676	0.946	304	227
Right precentral gyrus	-0.031	0.014	0.724	0.950	312	242
Right entorhinal cortex	-0.028	0.035	0.761	0.950	276	215
Right superior temporal gyrus	-0.022	0.016	0.801	0.950	298	233
Right superior frontal gyrus	-0.021	0.016	0.812	0.950	310	241
Left caudal middle frontal gyrus	-0.014	0.015	0.872	0.950	321	246
Right pars triangularis	-0.013	0.016	0.880	0.950	321	243
Right rostral middle frontal gyrus	-0.013	0.014	0.877	0.950	317	244
Left pars opercularis	-0.008	0.015	0.923	0.950	319	242

<b>Right frontal pole</b>	-0.007	0.032	0.939	0.950	319	245
<b>Left caudal anterior cingulate cortex</b>	-0.006	0.025	0.941	0.950	316	238
<b>Left rostral middle frontal gyrus</b>	-0.005	0.014	0.950	0.950	321	245
<b>Right pars opercularis</b>	0.009	0.016	0.914	0.950	316	244
<b>Left pars orbitalis</b>	0.010	0.023	0.911	0.950	322	244
<b>Left rostral anterior cingulate cortex</b>	0.011	0.025	0.904	0.950	316	238
<b>Right fusiform gyrus</b>	0.015	0.013	0.859	0.950	314	243
<b>Right pars orbitalis</b>	0.021	0.022	0.806	0.950	322	245
<b>Left insula</b>	0.022	0.015	0.804	0.950	315	238
<b>Right paracentral lobule</b>	0.025	0.016	0.770	0.950	323	244
<b>Right temporal pole</b>	0.027	0.038	0.757	0.950	322	242
<b>Right lingual gyrus</b>	0.029	0.012	0.738	0.950	323	245
<b>Right lateral orbitofrontal cortex</b>	0.095	0.016	0.271	0.634	322	245
<b>Right caudal anterior cingulate cortex</b>	0.101	0.024	0.247	0.634	310	243
<b>Left lateral orbitofrontal cortex</b>	0.106	0.017	0.216	0.634	324	245
<b>Right medial orbitofrontal cortex</b>	0.125	0.018	0.151	0.586	319	238

**TABLE S18c:** Full mega-analytic results for cortical thickness of each structure for the pediatric OCD patients with current comorbid anxiety compared with pediatric patients without, controlling for age, sex and scan center.

	Cohen's d <sup>a</sup> (NoCurAnx vs CurAnx)	Standard Error	P-value	FDR P-value	N patients with current anxiety	N patients without current anxiety
Right rostral middle frontal gyrus	-0.279	0.019	0.012	0.273	131	244
Right paracentral lobule	-0.271	0.020	0.015	0.273	130	244
Left supramarginal gyrus	-0.270	0.019	0.018	0.273	126	229
Right postcentral gyrus	-0.256	0.016	0.023	0.273	125	240
Right fusiform gyrus	-0.253	0.017	0.023	0.273	130	243
Right lateral occipital cortex	-0.237	0.014	0.032	0.324	131	242
Right cortical thickness	-0.211	0.012	0.055	0.483	132	246
Right precuneus	-0.204	0.017	0.068	0.507	129	242
Right pars orbitalis	-0.195	0.028	0.079	0.507	130	245
Left caudal middle frontal gyrus	-0.184	0.021	0.096	0.507	130	246
Right caudal anterior cingulate cortex	-0.182	0.032	0.102	0.507	129	243
Left banks superior temporal sulcus	-0.178	0.023	0.123	0.507	125	216
Left postcentral gyrus	-0.178	0.015	0.114	0.507	126	237
Left precentral gyrus	-0.167	0.017	0.136	0.507	127	242
Left precuneus	-0.166	0.017	0.134	0.507	130	244
Left paracentral lobule	-0.162	0.021	0.143	0.507	131	243
Left lateral occipital cortex	-0.160	0.015	0.149	0.507	130	243
Right superior frontal gyrus	-0.160	0.022	0.152	0.507	127	241
Right supramarginal gyrus	-0.158	0.018	0.164	0.522	125	234
Right pars triangularis	-0.152	0.022	0.171	0.522	130	243
Left posterior cingulate cortex	-0.147	0.021	0.187	0.545	129	243
Right lateral orbitofrontal cortex	-0.135	0.021	0.221	0.581	131	245
Left cortical thickness	-0.130	0.012	0.237	0.581	132	246
Right caudal middle frontal gyrus	-0.130	0.022	0.241	0.581	129	242
Right middle temporal gyrus	-0.129	0.022	0.253	0.581	127	235



Right precentral gyrus	-0.129	0.018	0.252	0.581	125	242
Left pars orbitalis	-0.129	0.031	0.245	0.581	130	244
Right pars opercularis	-0.127	0.021	0.257	0.581	127	244
Left inferior parietal cortex	-0.116	0.018	0.310	0.638	121	235
Left superior frontal gyrus	-0.115	0.021	0.304	0.638	129	240
Right lingual gyrus	-0.107	0.016	0.332	0.659	132	245
Left transverse temporal cortex	-0.105	0.026	0.342	0.659	131	244
Right superior parietal cortex	-0.104	0.017	0.348	0.659	128	245
Left superior parietal cortex	-0.098	0.017	0.377	0.690	131	243
Left pars opercularis	-0.091	0.020	0.417	0.690	128	242
Left rostral middle frontal gyrus	-0.090	0.018	0.414	0.690	132	245
Left caudal anterior cingulate cortex	-0.089	0.034	0.426	0.690	129	238
Left insula	-0.086	0.020	0.438	0.690	130	238
Right superior temporal gyrus	-0.085	0.021	0.451	0.690	126	233
Left cuneus	-0.084	0.016	0.450	0.690	130	244
Left fusiform gyrus	-0.083	0.017	0.452	0.690	130	244
Left middle temporal gyrus	-0.056	0.022	0.622	0.837	126	235
Right cuneus	-0.052	0.018	0.642	0.848	130	242
Left lingual gyrus	-0.043	0.016	0.697	0.859	131	243
Right temporal pole	-0.041	0.050	0.712	0.859	129	242
Left lateral orbitofrontal cortex	-0.036	0.023	0.741	0.880	132	245
Right inferior parietal cortex	-0.031	0.019	0.781	0.889	126	237
Right inferior temporal cortex gyrus	-0.030	0.021	0.787	0.889	126	240
Right medial orbitofrontal cortex	-0.021	0.024	0.848	0.942	130	238
Right pericalcarine gyrus	-0.013	0.017	0.903	0.968	132	241
Right insula	-0.010	0.022	0.928	0.969	127	238
Right isthmus cingulate cortex	-0.003	0.025	0.981	0.993	128	243
Right banks superior temporal sulcus	-0.003	0.024	0.981	0.993	122	233
Left inferior temporal cortex gyrus	0.001	0.022	0.993	0.993	128	241

Right posterior cingulate cortex	0.012	0.019	0.913	0.968	130	242
Left frontal pole	0.018	0.045	0.867	0.948	131	245
Left superior temporal gyrus	0.036	0.021	0.754	0.880	125	227
Right entorhinal cortex	0.044	0.044	0.710	0.859	112	215
Left isthmus cingulate cortex	0.045	0.026	0.686	0.859	129	242
Left entorhinal cortex	0.049	0.043	0.672	0.859	118	229
Left pericalcarine gyrus	0.056	0.017	0.616	0.837	130	243
Left pars triangularis	0.064	0.022	0.565	0.791	129	245
Left medial orbitofrontal cortex	0.069	0.024	0.534	0.763	129	243
Right rostral anterior cingulate cortex	0.072	0.033	0.518	0.756	128	241
Right transverse temporal cortex	0.081	0.027	0.461	0.690	132	245
Right frontal pole	0.081	0.040	0.463	0.690	132	245
Left temporal pole	0.114	0.050	0.303	0.638	131	240
Left rostral anterior cingulate cortex	0.169	0.034	0.132	0.507	128	238
Right parahippocampal gyrus	0.170	0.034	0.129	0.507	127	242
Left parahippocampal gyrus	0.304	0.034	0.007	0.273	129	242

**TABLE S19a:** Full mega-analytic results for surface area of each structure for the pediatric OCD patients with current comorbid anxiety compared with pediatric healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (CurAnx vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left posterior cingulate cortex	-0.268	18.407	0.012	0.360	320	129
Right paracentral lobule	-0.267	21.629	0.012	0.360	323	130
Right cuneus	-0.256	21.442	0.016	0.360	323	130
Left postcentral gyrus	-0.246	44.977	0.023	0.376	312	126
Right superior frontal gyrus	-0.237	69.682	0.028	0.376	310	127
Left inferior parietal cortex	-0.212	57.668	0.054	0.455	301	121
Left medial orbitofrontal cortex	-0.199	23.137	0.062	0.455	320	129
Left lateral orbitofrontal cortex	-0.199	28.258	0.059	0.455	324	132
Right pericalcarine gyrus	-0.195	25.341	0.065	0.455	323	132
Left caudal anterior cingulate cortex	-0.187	14.023	0.080	0.455	316	129
Left pericalcarine gyrus	-0.184	23.681	0.083	0.455	320	130
Left precuneus	-0.181	42.204	0.088	0.455	320	130
Left insula	-0.177	21.687	0.096	0.455	315	130
Right posterior cingulate cortex	-0.171	17.556	0.107	0.455	322	130
Right lateral occipital cortex	-0.171	52.770	0.106	0.455	321	131
Left rostral anterior cingulate cortex	-0.164	15.295	0.125	0.472	316	128
Right medial orbitofrontal cortex	-0.164	19.720	0.122	0.472	319	130
Right pars triangularis	-0.151	24.488	0.155	0.542	321	130
Right fusiform gyrus	-0.145	36.934	0.173	0.542	314	130
Left pars orbitalis	-0.143	8.658	0.176	0.542	322	130
Left paracentral lobule	-0.141	19.589	0.183	0.542	321	131
Right precuneus	-0.141	44.107	0.183	0.542	324	129
Right surface area	-0.137	529.165	0.192	1.000	324	132
Right insula	-0.136	21.312	0.206	0.546	312	127
Left lingual gyrus	-0.133	41.732	0.209	0.546	321	131

Left surface area	-0.132	526.554	0.208	1.000	324	132
Left superior frontal gyrus	-0.126	67.211	0.238	0.600	316	129
Left cuneus	-0.111	20.636	0.296	0.654	320	130
Left superior parietal cortex	-0.109	57.803	0.305	0.654	317	131
Right middle temporal gyrus	-0.097	39.055	0.367	0.755	307	127
Left lateral occipital cortex	-0.093	51.126	0.381	0.762	319	130
Left fusiform gyrus	-0.083	39.166	0.437	0.780	314	130
Right rostral middle frontal gyrus	-0.082	67.777	0.438	0.780	317	131
Right lingual gyrus	-0.078	41.588	0.459	0.780	323	132
Right supramarginal gyrus	-0.077	51.399	0.480	0.797	303	125
Right postcentral gyrus	-0.072	43.123	0.507	0.821	309	125
Right lateral orbitofrontal cortex	-0.058	30.082	0.582	0.917	322	131
Right superior parietal cortex	-0.055	57.454	0.607	0.917	320	128
Right isthmus cingulate cortex	-0.055	14.630	0.605	0.917	322	128
Right inferior parietal cortex	-0.049	66.664	0.648	0.938	309	126
Right caudal anterior cingulate cortex	-0.036	14.694	0.734	0.984	310	129
Right entorhinal cortex	-0.031	9.053	0.790	0.984	276	112
Left supramarginal gyrus	-0.028	50.817	0.797	0.984	299	126
Left middle temporal gyrus	-0.023	33.818	0.833	0.984	309	126
Right pars orbitalis	-0.020	10.363	0.854	0.984	322	130
Left pars opercularis	-0.018	27.089	0.870	0.984	319	128
Left rostral middle frontal gyrus	-0.018	67.004	0.864	0.984	321	132
Right parahippocampal gyrus	-0.017	10.586	0.876	0.984	317	127
Right transverse temporal cortex	-0.012	5.628	0.910	0.984	320	132
Left isthmus cingulate cortex	-0.012	16.434	0.908	0.984	322	129
Left parahippocampal gyrus	-0.007	11.530	0.950	0.984	317	129
Left precentral gyrus	-0.005	45.462	0.961	0.984	313	127
Right precentral gyrus	0.002	43.547	0.984	0.984	312	125
Left caudal middle frontal gyrus	0.003	38.504	0.980	0.984	321	130

<b>Left banks superior temporal sulcus</b>	0.009	17.922	0.933	0.984	297	125
<b>Right inferior temporal cortex gyrus</b>	0.010	43.643	0.926	0.984	320	126
<b>Left entorhinal cortex</b>	0.011	8.511	0.924	0.984	287	118
<b>Right caudal middle frontal gyrus</b>	0.026	37.164	0.805	0.984	318	129
<b>Right pars opercularis</b>	0.027	22.767	0.803	0.984	316	127
<b>Left superior temporal gyrus</b>	0.030	38.769	0.782	0.984	304	125
<b>Left pars triangularis</b>	0.034	19.939	0.751	0.984	321	129
<b>Right superior temporal gyrus</b>	0.052	35.683	0.633	0.935	298	126
<b>Right banks superior temporal sulcus</b>	0.082	14.099	0.455	0.780	298	122
<b>Right rostral anterior cingulate cortex</b>	0.088	13.116	0.413	0.780	310	128
<b>Left transverse temporal cortex</b>	0.090	7.167	0.392	0.762	322	131
<b>Right frontal pole</b>	0.108	4.938	0.308	0.654	319	132
<b>Left inferior temporal cortex gyrus</b>	0.117	47.432	0.272	0.639	315	128
<b>Left frontal pole</b>	0.118	3.775	0.265	0.639	323	131
<b>Left temporal pole</b>	0.137	7.012	0.194	0.546	321	131
<b>Right temporal pole</b>	0.175	6.805	0.100	0.455	322	129

**TABLE S19b:** Full mega-analytic results for surface area of each structure for the pediatric OCD patients with no current comorbid anxiety compared with pediatric healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoCurAnx vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left posterior cingulate cortex	-0.266	14.628	0.002	0.089	320	242
Right medial orbitofrontal cortex	-0.257	16.527	0.003	0.089	319	237
Left rostral middle frontal gyrus	-0.249	52.827	0.004	0.089	321	244
Left inferior parietal cortex	-0.237	44.567	0.008	0.129	301	234
Right paracentral lobule	-0.209	18.077	0.016	0.209	323	243
Right superior frontal gyrus	-0.206	57.227	0.018	0.209	310	240
Left middle temporal gyrus	-0.191	28.169	0.030	0.253	309	234
Left paracentral lobule	-0.182	15.305	0.035	0.253	321	242
Right posterior cingulate cortex	-0.179	14.327	0.039	0.253	322	241
Left lateral orbitofrontal cortex	-0.176	23.015	0.041	0.253	324	244
Left superior frontal gyrus	-0.172	52.779	0.048	0.274	316	239
Right rostral middle frontal gyrus	-0.163	55.680	0.059	0.306	317	243
Left medial orbitofrontal cortex	-0.160	19.235	0.064	0.306	320	242
Right fusiform gyrus	-0.159	30.442	0.068	0.306	314	242
Right pars orbitalis	-0.129	8.386	0.134	0.537	322	244
Right surface area	-0.129	439.487	0.132	1.000	324	245
Right lateral occipital cortex	-0.113	45.113	0.193	0.635	321	241
Right pars triangularis	-0.112	19.832	0.196	0.635	321	242
Left surface area	-0.108	429.502	0.210	1.000	324	245
Right superior parietal cortex	-0.104	48.347	0.228	0.705	320	244
Left precentral gyrus	-0.100	35.872	0.249	0.735	313	241
Left insula	-0.096	18.429	0.273	0.773	315	237
Right inferior parietal cortex	-0.091	52.405	0.302	0.791	309	236
Right lateral orbitofrontal cortex	-0.090	24.083	0.295	0.791	322	244
Left pars orbitalis	-0.084	6.989	0.331	0.798	322	243

Right lingual gyrus	-0.083	33.530	0.333	0.798	323	244
Left cuneus	-0.082	16.742	0.344	0.798	320	243
Left caudal middle frontal gyrus	-0.080	30.620	0.352	0.798	321	245
Left superior parietal cortex	-0.076	48.470	0.381	0.809	317	242
Left pars opercularis	-0.074	21.811	0.395	0.813	319	241
Left frontal pole	-0.066	3.082	0.445	0.855	323	244
Right postcentral gyrus	-0.056	34.574	0.525	0.901	309	239
Right precentral gyrus	-0.054	35.472	0.535	0.901	312	241
Left postcentral gyrus	-0.053	36.737	0.548	0.901	312	236
Right pars opercularis	-0.053	18.289	0.543	0.901	316	243
Right rostral anterior cingulate cortex	-0.053	10.555	0.542	0.901	310	240
Right cuneus	-0.050	17.345	0.565	0.901	323	241
Left inferior temporal cortex gyrus	-0.047	38.535	0.586	0.901	315	240
Left pericalcarine gyrus	-0.046	19.259	0.595	0.901	320	242
Right caudal middle frontal gyrus	-0.040	30.317	0.648	0.909	318	241
Right temporal pole	-0.039	5.504	0.650	0.909	322	241
Right superior temporal gyrus	-0.038	28.715	0.669	0.909	298	232
Right parahippocampal gyrus	-0.038	8.475	0.658	0.909	317	241
Left caudal anterior cingulate cortex	-0.029	11.612	0.739	0.947	316	237
Left superior temporal gyrus	-0.027	31.699	0.764	0.947	304	226
Left precuneus	-0.026	34.108	0.766	0.947	320	243
Right supramarginal gyrus	-0.020	41.171	0.821	0.968	303	233
Right insula	-0.017	19.106	0.842	0.968	312	237
Left fusiform gyrus	-0.008	31.342	0.923	0.984	314	243
Right banks superior temporal sulcus	-0.007	11.575	0.939	0.984	298	232
Left entorhinal cortex	-0.003	6.682	0.976	0.991	287	228
Left rostral anterior cingulate cortex	-0.001	12.450	0.991	0.991	316	237
Left banks superior temporal sulcus	0.001	14.926	0.989	0.991	297	215
Left transverse temporal cortex	0.006	6.007	0.941	0.984	322	243

Right inferior temporal cortex gyrus	0.007	35.037	0.936	0.984	320	239
Right middle temporal gyrus	0.008	31.252	0.930	0.984	307	234
Right pericalcarine gyrus	0.016	21.137	0.854	0.968	323	240
Right precuneus	0.017	36.334	0.843	0.968	324	241
Left lingual gyrus	0.022	33.659	0.798	0.968	321	242
Right caudal anterior cingulate cortex	0.031	12.097	0.720	0.944	310	242
Left pars triangularis	0.031	15.949	0.722	0.944	321	244
Right isthmus cingulate cortex	0.044	11.470	0.610	0.902	322	242
Left lateral occipital cortex	0.046	42.815	0.596	0.901	319	242
Left parahippocampal gyrus	0.065	9.253	0.453	0.855	317	241
Right entorhinal cortex	0.075	7.159	0.421	0.842	276	214
Left supramarginal gyrus	0.079	41.636	0.375	0.809	299	228
Right transverse temporal cortex	0.114	4.939	0.186	0.635	320	244
Left temporal pole	0.118	5.650	0.175	0.635	321	239
Left isthmus cingulate cortex	0.143	13.180	0.099	0.421	322	242
Right frontal pole	0.179	3.945	0.039	0.253	319	244



**TABLE S19c:** Full mega-analytic results for surface area of each structure for the pediatric OCD patients with current comorbid anxiety compared with pediatric patients without, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoCurAnx vs CurAnx)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients with current anxiety</b>	<b>N patients with no current anxiety</b>
Left rostral anterior cingulate cortex	-0.226	17.100	0.044	0.804	128	237
Right cuneus	-0.225	21.995	0.044	0.804	130	241
Right pericalcarine gyrus	-0.223	25.437	0.044	0.804	132	240
Left caudal anterior cingulate cortex	-0.191	15.122	0.088	0.804	129	237
Right insula	-0.191	25.398	0.089	0.804	127	237
Left precuneus	-0.186	45.869	0.095	0.804	130	243
Right precuneus	-0.162	48.081	0.146	0.838	129	241
Left isthmus cingulate cortex	-0.154	17.926	0.167	0.838	129	242
Left postcentral gyrus	-0.152	47.637	0.180	0.838	126	236
Right entorhinal cortex	-0.137	9.054	0.253	0.838	112	214
Left insula	-0.133	24.095	0.232	0.838	130	237
Left pars orbitalis	-0.132	8.835	0.235	0.838	130	243
Right supramarginal gyrus	-0.126	54.026	0.268	0.838	125	233
Right frontal pole	-0.120	4.774	0.277	0.838	132	244
Left pericalcarine gyrus	-0.117	25.171	0.294	0.838	130	242
Right transverse temporal cortex	-0.117	6.879	0.288	0.838	132	244
Left lingual gyrus	-0.114	43.648	0.306	0.838	131	242
Left medial orbitofrontal cortex	-0.112	25.554	0.315	0.838	129	242
Right middle temporal gyrus	-0.111	41.059	0.327	0.838	127	234
Right paracentral lobule	-0.108	23.803	0.333	0.838	130	243
Left supramarginal gyrus	-0.106	57.460	0.350	0.850	126	228
Left fusiform gyrus	-0.096	41.878	0.387	0.869	130	243
Right pars triangularis	-0.091	24.715	0.412	0.869	130	242
Right posterior cingulate cortex	-0.087	18.312	0.434	0.869	130	241
Right lateral occipital cortex	-0.086	57.689	0.439	0.869	131	241

Left lateral occipital cortex	-0.084	55.667	0.451	0.869	130	242
Right caudal anterior cingulate cortex	-0.081	15.164	0.469	0.869	129	242
Left lateral orbitofrontal cortex	-0.068	32.949	0.537	0.908	132	244
Right isthmus cingulate cortex	-0.067	15.748	0.547	0.908	128	242
Left pars triangularis	-0.060	20.907	0.588	0.931	129	244
Right superior frontal gyrus	-0.057	76.678	0.611	0.936	127	240
Right surface area	-0.052	596.307	0.636	1.000	132	245
Right lateral orbitofrontal cortex	-0.046	32.388	0.680	0.936	131	244
Left banks superior temporal sulcus	-0.044	19.056	0.701	0.936	125	215
Left surface area	-0.042	592.228	0.703	1.000	132	245
Left superior parietal cortex	-0.037	66.481	0.741	0.936	131	242
Left posterior cingulate cortex	-0.033	19.144	0.767	0.936	129	242
Left paracentral lobule	-0.030	19.303	0.788	0.936	131	242
Right pars orbitalis	-0.025	10.780	0.820	0.936	130	244
Left cuneus	-0.023	21.669	0.836	0.936	130	243
Left inferior parietal cortex	-0.022	60.560	0.847	0.936	121	234
Left parahippocampal gyrus	-0.018	11.698	0.870	0.936	129	241
Right fusiform gyrus	-0.015	39.188	0.895	0.936	130	242
Right inferior temporal cortex gyrus	-0.015	47.328	0.892	0.936	126	239
Left superior frontal gyrus	-0.011	68.984	0.923	0.951	129	239
Right superior parietal cortex	-0.007	64.393	0.950	0.964	128	244
Right inferior parietal cortex	-0.002	70.667	0.986	0.986	126	236
Right pars opercularis	0.019	23.987	0.863	0.936	127	243
Right postcentral gyrus	0.020	46.888	0.859	0.936	125	239
Left superior temporal gyrus	0.024	42.332	0.832	0.936	125	226
Right rostral middle frontal gyrus	0.024	72.805	0.830	0.936	131	243
Right superior temporal gyrus	0.025	38.478	0.826	0.936	126	232
Right medial orbitofrontal cortex	0.030	21.316	0.785	0.936	130	237
Left pars opercularis	0.045	29.022	0.685	0.936	128	241

Right lingual gyrus	0.046	42.565	0.680	0.936	132	244
Left entorhinal cortex	0.049	8.970	0.670	0.936	118	228
Right precentral gyrus	0.050	46.448	0.659	0.936	125	241
Right parahippocampal gyrus	0.063	12.016	0.575	0.931	127	241
Left temporal pole	0.067	7.379	0.544	0.908	131	239
Right caudal middle frontal gyrus	0.078	38.974	0.486	0.869	129	241
Right banks superior temporal sulcus	0.080	15.682	0.485	0.869	122	232
Left precentral gyrus	0.088	46.544	0.431	0.869	127	241
Left middle temporal gyrus	0.100	39.563	0.375	0.869	126	234
Right rostral anterior cingulate cortex	0.116	14.456	0.302	0.838	128	240
Left inferior temporal cortex gyrus	0.118	47.963	0.293	0.838	128	240
Left rostral middle frontal gyrus	0.128	68.433	0.245	0.838	132	244
Left caudal middle frontal gyrus	0.157	38.100	0.157	0.838	130	245
Left transverse temporal cortex	0.175	7.761	0.115	0.838	131	243
Left frontal pole	0.189	4.240	0.088	0.804	131	244
Right temporal pole	0.193	6.812	0.084	0.804	129	241

**TABLE S20:** Full mega-analytic results for surface area of each structure for the pediatric OCD patients with ordering/symmetry symptoms compared with pediatric patients without, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (NoOrd vs Ord)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients with ordering/symmetry symptoms</b>	<b>N patients with no ordering /symmetry symptoms</b>
Right entorhinal cortex	-0.282	10.803	0.068	0.287	169	63
Right frontal pole	-0.268	5.534	0.063	0.286	194	71
Left rostral anterior cingulate cortex	-0.238	21.288	0.100	0.311	194	70
Left precentral gyrus	-0.165	52.712	0.252	0.522	191	71
Right caudal anterior cingulate cortex	-0.162	18.567	0.262	0.522	194	70
Right posterior cingulate cortex	-0.160	21.911	0.268	0.522	191	70
Right pars opercularis	-0.153	29.082	0.287	0.535	194	71
Right banks superior temporal sulcus	-0.135	18.288	0.356	0.621	188	68
Left pars orbitalis	-0.114	10.608	0.428	0.676	192	71
Left banks superior temporal sulcus	-0.098	23.355	0.516	0.753	178	65
Left paracentral lobule	-0.092	22.591	0.521	0.753	194	71
Left isthmus cingulate cortex	-0.090	21.680	0.534	0.757	192	70
Right paracentral lobule	-0.073	28.166	0.612	0.817	192	70
Right precentral gyrus	-0.062	53.219	0.669	0.867	192	71
Left lateral orbitofrontal cortex	-0.059	39.250	0.684	0.867	195	70
Left frontal pole	-0.045	4.964	0.756	0.873	193	71
Right middle temporal gyrus	-0.045	49.531	0.754	0.873	191	70
Left superior frontal gyrus	-0.031	82.827	0.827	0.922	195	71
Left medial orbitofrontal cortex	-0.011	30.626	0.940	0.962	193	70
Right medial orbitofrontal cortex	-0.009	26.416	0.949	0.962	190	71
Right rostral anterior cingulate cortex	0.007	17.365	0.962	0.962	194	71
Left transverse temporal cortex	0.008	9.861	0.958	0.962	192	71
Right pars triangularis	0.014	29.817	0.924	0.962	195	71
Right temporal pole	0.015	7.454	0.919	0.962	192	71

Left posterior cingulate cortex	0.025	22.625	0.862	0.945	192	70
Left caudal anterior cingulate cortex	0.040	17.895	0.782	0.886	190	70
Left caudal middle frontal gyrus	0.045	46.659	0.757	0.873	195	70
Left insula	0.049	29.361	0.733	0.873	194	71
Right inferior parietal cortex	0.055	85.500	0.703	0.870	190	71
Right lateral orbitofrontal cortex	0.058	38.183	0.688	0.867	194	70
Left middle temporal gyrus	0.083	46.175	0.569	0.774	189	68
Right parahippocampal gyrus	0.088	14.057	0.551	0.764	192	67
Left superior temporal gyrus	0.111	51.679	0.449	0.678	187	69
Right cuneus	0.112	27.130	0.438	0.678	194	70
Left postcentral gyrus	0.114	57.114	0.427	0.676	191	71
Left rostral middle frontal gyrus	0.117	84.136	0.417	0.676	195	71
Right pars orbitalis	0.120	13.197	0.403	0.676	195	71
Right postcentral gyrus	0.150	56.383	0.299	0.535	189	71
Left supramarginal gyrus	0.151	68.202	0.295	0.535	191	71
Right isthmus cingulate cortex	0.160	18.275	0.268	0.522	191	70
Right superior frontal gyrus	0.160	90.096	0.265	0.522	195	71
Right rostral middle frontal gyrus	0.168	90.058	0.242	0.522	194	71
Right fusiform gyrus	0.180	46.373	0.210	0.492	193	71
Left superior parietal cortex	0.182	79.185	0.207	0.492	195	70
Left parahippocampal gyrus	0.194	13.740	0.189	0.475	194	66
Right precuneus	0.202	57.296	0.166	0.433	193	69
Left inferior parietal cortex	0.216	71.245	0.138	0.376	191	69
Left inferior temporal cortex gyrus	0.220	56.865	0.126	0.356	195	71
Right insula	0.222	28.258	0.123	0.356	193	71
Left temporal pole	0.242	7.998	0.093	0.309	192	71
Right lateral occipital cortex	0.251	66.433	0.083	0.296	193	70
Left entorhinal cortex	0.252	10.121	0.096	0.309	182	64
Right superior temporal gyrus	0.254	43.530	0.080	0.296	192	70

Right supramarginal gyrus	0.254	63.753	0.080	0.296	187	71
Right surface area	0.260	724.374	0.070	1.000	195	71
Left surface area	0.267	706.432	0.064	1.000	195	71
Left pars opercularis	0.274	31.459	0.059	0.286	193	70
Right transverse temporal cortex	0.279	7.770	0.053	0.275	195	71
Right caudal middle frontal gyrus	0.287	46.347	0.047	0.264	193	71
Right inferior temporal cortex gyrus	0.289	54.366	0.045	0.264	193	71
Left pars triangularis	0.299	24.494	0.038	0.257	195	71
Left lateral occipital cortex	0.300	64.031	0.037	0.257	194	71
Left lingual gyrus	0.310	50.442	0.033	0.257	193	70
Left precuneus	0.349	54.784	0.016	0.158	194	70
Right pericalcarine gyrus	0.358	29.813	0.014	0.157	192	70
Left pericalcarine gyrus	0.371	29.503	0.011	0.145	194	70
Right superior parietal cortex	0.371	76.274	0.011	0.145	195	70
Left fusiform gyrus	0.377	48.410	0.009	0.145	194	71
Right lingual gyrus	0.397	48.535	0.006	0.145	195	70
Left cuneus	0.494	24.862	0.001	0.045	195	71

**TABLE S21a:** Full mega-analytic results for cortical thickness of each structure for the adult onset OCD patients compared with adult healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (Adult-onset vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left precuneus	-0.160	0.006	3.921E-04	0.017	1426	772
Left inferior parietal cortex	-0.158	0.006	0.001	0.017	1364	745
Right medial orbitofrontal cortex	-0.150	0.009	0.001	0.017	1428	766
Left pars opercularis	-0.149	0.007	0.001	0.017	1427	770
Left cortical thickness	-0.143	0.005	0.001	0.020	1435	773
Right inferior parietal cortex	-0.138	0.006	0.002	0.027	1379	755
Left fusiform gyrus	-0.135	0.007	0.003	0.027	1428	769
Left rostral middle frontal gyrus	-0.128	0.006	0.005	0.036	1429	766
Left caudal middle frontal gyrus	-0.128	0.007	0.005	0.036	1429	766
Right cortical thickness	-0.126	0.005	0.005	0.036	1435	771
Right lingual gyrus	-0.123	0.006	0.006	0.040	1433	771
Right caudal middle frontal gyrus	-0.122	0.007	0.007	0.041	1423	767
Right rostral middle frontal gyrus	-0.118	0.006	0.009	0.045	1424	770
Left superior frontal gyrus	-0.118	0.007	0.010	0.045	1413	741
Right pars opercularis	-0.117	0.008	0.010	0.045	1418	760
Left middle temporal gyrus	-0.116	0.008	0.014	0.051	1320	701
Right posterior cingulate cortex	-0.115	0.008	0.010	0.045	1427	773
Right middle temporal gyrus	-0.114	0.007	0.012	0.049	1402	754
Right precuneus	-0.112	0.006	0.013	0.049	1429	768
Left posterior cingulate cortex	-0.109	0.008	0.015	0.053	1431	771
Right pars triangularis	-0.107	0.008	0.018	0.060	1423	759
Left medial orbitofrontal cortex	-0.102	0.008	0.023	0.073	1430	770
Right lateral orbitofrontal cortex	-0.101	0.008	0.025	0.077	1431	772
Left lateral orbitofrontal cortex	-0.100	0.008	0.026	0.077	1433	770
Left banks superior temporal sulcus	-0.097	0.008	0.040	0.107	1284	701

Left supramarginal gyrus	-0.094	0.007	0.046	0.115	1310	711
Right insula	-0.094	0.009	0.039	0.107	1415	751
Left lingual gyrus	-0.091	0.006	0.043	0.112	1427	769
Left inferior temporal cortex gyrus	-0.088	0.008	0.053	0.129	1383	763
Right pars orbitalis	-0.084	0.010	0.062	0.140	1431	773
Right caudal anterior cingulate cortex	-0.084	0.012	0.062	0.140	1422	764
Right fusiform gyrus	-0.082	0.007	0.072	0.149	1428	758
Right lateral occipital cortex	-0.081	0.006	0.073	0.149	1421	762
Left isthmus cingulate cortex	-0.081	0.010	0.070	0.149	1431	772
Left superior parietal cortex	-0.080	0.006	0.076	0.149	1417	759
Right parahippocampal gyrus	-0.079	0.012	0.079	0.149	1420	771
Left lateral occipital cortex	-0.077	0.006	0.089	0.164	1419	763
Right isthmus cingulate cortex	-0.073	0.009	0.107	0.188	1429	773
Left pars triangularis	-0.072	0.007	0.108	0.188	1434	770
Right superior frontal gyrus	-0.070	0.007	0.122	0.208	1410	760
Left parahippocampal gyrus	-0.069	0.014	0.127	0.211	1424	770
Right precentral gyrus	-0.068	0.006	0.134	0.213	1405	754
Left pars orbitalis	-0.067	0.010	0.134	0.213	1431	770
Left rostral anterior cingulate cortex	-0.067	0.012	0.137	0.213	1415	757
Right inferior temporal cortex gyrus	-0.065	0.008	0.148	0.225	1400	767
Left insula	-0.064	0.008	0.161	0.241	1414	757
Left cuneus	-0.058	0.006	0.201	0.285	1404	757
Right superior parietal cortex	-0.057	0.006	0.208	0.285	1411	759
Left frontal pole	-0.057	0.015	0.203	0.285	1435	771
Left precentral gyrus	-0.057	0.006	0.206	0.285	1408	762
Left postcentral gyrus	-0.053	0.006	0.241	0.324	1403	757
Right transverse temporal cortex	-0.052	0.010	0.249	0.330	1434	772
Left caudal anterior cingulate cortex	-0.048	0.014	0.293	0.379	1415	756
Right cuneus	-0.044	0.007	0.330	0.420	1401	756



Right supramarginal gyrus	-0.032	0.007	0.490	0.612	1321	732
Right rostral anterior cingulate cortex	-0.026	0.012	0.571	0.678	1413	760
Left pericalcarine gyrus	-0.025	0.006	0.588	0.678	1406	765
Left paracentral lobule	-0.025	0.007	0.585	0.678	1430	769
Left superior temporal gyrus	-0.020	0.008	0.668	0.731	1296	690
Right pericalcarine gyrus	-0.020	0.006	0.652	0.731	1409	763
Right postcentral gyrus	-0.019	0.006	0.668	0.731	1414	764
Right frontal pole	-0.016	0.014	0.717	0.761	1434	773
Left transverse temporal cortex	-0.014	0.010	0.763	0.797	1433	771
Right banks superior temporal sulcus	-0.010	0.008	0.827	0.851	1321	726
Right paracentral lobule	-0.003	0.007	0.948	0.962	1432	773
Left entorhinal cortex	0.002	0.018	0.970	0.970	1318	717
Right temporal pole	0.018	0.018	0.683	0.736	1430	759
Right superior temporal gyrus	0.025	0.008	0.591	0.678	1316	722
Left temporal pole	0.026	0.017	0.556	0.678	1435	770
Right entorhinal cortex	0.085	0.020	0.077	0.149	1244	685

**TABLE S21b:** Full mega-analytic results for cortical thickness of each structure for the childhood onset OCD patients compared with adult healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (Childhood-onset vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left inferior parietal cortex	-0.153	0.006	0.002	0.057	1364	613
Right inferior parietal cortex	-0.148	0.006	0.002	0.057	1379	621
Right lateral orbitofrontal cortex	-0.146	0.008	0.002	0.057	1431	646
Left entorhinal cortex	-0.142	0.019	0.004	0.072	1318	590
Left lateral orbitofrontal cortex	-0.134	0.008	0.005	0.072	1433	645
Left isthmus cingulate cortex	-0.100	0.010	0.037	0.331	1431	641
Right precuneus	-0.096	0.006	0.045	0.331	1429	644
Left rostral anterior cingulate cortex	-0.095	0.012	0.049	0.331	1415	637
Left rostral middle frontal gyrus	-0.095	0.007	0.047	0.331	1429	641
Right fusiform gyrus	-0.090	0.007	0.062	0.331	1428	633
Right rostral middle frontal gyrus	-0.089	0.007	0.062	0.331	1424	644
Left cortical thickness	-0.088	0.005	0.066	0.331	1435	646
Left fusiform gyrus	-0.088	0.007	0.066	0.331	1428	641
Right isthmus cingulate cortex	-0.085	0.009	0.074	0.344	1429	645
Left middle temporal gyrus	-0.079	0.008	0.112	0.398	1320	600
Right lateral occipital cortex	-0.078	0.007	0.103	0.398	1421	641
Right parahippocampal gyrus	-0.077	0.013	0.110	0.398	1420	640
Left frontal pole	-0.077	0.015	0.109	0.398	1435	642
Left lateral occipital cortex	-0.076	0.007	0.114	0.398	1419	640
Right entorhinal cortex	-0.073	0.020	0.152	0.476	1244	579
Left insula	-0.071	0.008	0.139	0.463	1414	637
Left inferior temporal cortex gyrus	-0.069	0.008	0.156	0.476	1383	629
Right middle temporal gyrus	-0.066	0.007	0.170	0.480	1402	634
Right cortical thickness	-0.065	0.005	0.171	0.480	1435	645
Left precuneus	-0.059	0.006	0.214	0.556	1426	643

Left caudal middle frontal gyrus	-0.058	0.007	0.224	0.560	1429	634
Left medial orbitofrontal cortex	-0.056	0.008	0.241	0.582	1430	641
Left banks superior temporal sulcus	-0.054	0.009	0.281	0.593	1284	590
Left pars orbitalis	-0.051	0.011	0.287	0.593	1431	642
Right inferior temporal cortex gyrus	-0.051	0.008	0.288	0.593	1400	642
Right medial orbitofrontal cortex	-0.049	0.009	0.310	0.598	1428	642
Right caudal middle frontal gyrus	-0.048	0.008	0.315	0.598	1423	640
Left superior frontal gyrus	-0.048	0.008	0.316	0.598	1413	626
Left superior parietal cortex	-0.041	0.006	0.389	0.715	1417	634
Right pars orbitalis	-0.040	0.011	0.398	0.715	1431	643
Left parahippocampal gyrus	-0.038	0.015	0.427	0.743	1424	640
Right superior parietal cortex	-0.035	0.006	0.465	0.773	1411	630
Right insula	-0.029	0.009	0.548	0.799	1415	633
Right superior frontal gyrus	-0.028	0.007	0.557	0.799	1410	639
Right cuneus	-0.026	0.007	0.595	0.802	1401	629
Left pars opercularis	-0.025	0.007	0.595	0.802	1427	642
Left posterior cingulate cortex	-0.023	0.008	0.625	0.820	1431	642
Right pars triangularis	-0.021	0.008	0.656	0.820	1423	633
Right precentral gyrus	-0.017	0.007	0.727	0.879	1405	624
Left supramarginal gyrus	-0.017	0.007	0.728	0.879	1310	587
Left lingual gyrus	-0.012	0.006	0.801	0.950	1427	642
Right pars opercularis	-0.011	0.008	0.814	0.950	1418	639
Left paracentral lobule	-0.008	0.007	0.875	0.981	1430	642
Right caudal anterior cingulate cortex	-0.008	0.012	0.872	0.981	1422	639
Left cuneus	-0.004	0.007	0.938	0.981	1404	630
Left transverse temporal cortex	-0.004	0.010	0.934	0.981	1433	643
Right posterior cingulate cortex	-0.003	0.008	0.953	0.981	1427	640
Left precentral gyrus	0.001	0.007	0.977	0.988	1408	631
Left pars triangularis	0.001	0.008	0.988	0.988	1434	643

<b>Right transverse temporal cortex</b>	0.004	0.010	0.939	0.981	1434	645
<b>Left postcentral gyrus</b>	0.004	0.006	0.940	0.981	1403	631
<b>Left superior temporal gyrus</b>	0.005	0.008	0.919	0.981	1296	568
<b>Right banks superior temporal sulcus</b>	0.022	0.009	0.656	0.820	1321	597
<b>Right paracentral lobule</b>	0.022	0.007	0.651	0.820	1432	641
<b>Right superior temporal gyrus</b>	0.027	0.008	0.592	0.802	1316	582
<b>Right frontal pole</b>	0.028	0.015	0.559	0.799	1434	643
<b>Right supramarginal gyrus</b>	0.030	0.007	0.548	0.799	1321	590
<b>Left temporal pole</b>	0.033	0.017	0.486	0.773	1435	644
<b>Right temporal pole</b>	0.033	0.018	0.497	0.773	1430	635
<b>Right rostral anterior cingulate cortex</b>	0.034	0.012	0.486	0.773	1413	636
<b>Right lingual gyrus</b>	0.037	0.006	0.435	0.743	1433	642
<b>Left pericalcarine gyrus</b>	0.054	0.006	0.264	0.593	1406	638
<b>Left caudal anterior cingulate cortex</b>	0.055	0.014	0.254	0.593	1415	638
<b>Right pericalcarine gyrus</b>	0.063	0.006	0.190	0.512	1409	635
<b>Right postcentral gyrus</b>	0.100	0.006	0.038	0.331	1414	632

**TABLE S21c:** Full mega-analytic results for cortical thickness of each structure for the childhood onset OCD patients compared with adult onset patients, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (Childhood vs Adult-onset)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N childhood onset patients</b>	<b>N adult onset patients</b>
Right postcentral gyrus	-0.155	0.007	0.004	0.171	632	764
Left precuneus	-0.144	0.008	0.008	0.171	643	772
Right lingual gyrus	-0.140	0.008	0.010	0.171	642	771
Left posterior cingulate cortex	-0.124	0.010	0.022	0.251	642	771
Left pars opercularis	-0.114	0.009	0.035	0.352	642	770
Left supramarginal gyrus	-0.108	0.009	0.056	0.357	587	711
Right posterior cingulate cortex	-0.105	0.010	0.051	0.357	640	773
Right medial orbitofrontal cortex	-0.105	0.011	0.052	0.357	642	766
Right pars opercularis	-0.105	0.010	0.054	0.357	639	760
Left caudal anterior cingulate cortex	-0.102	0.017	0.062	0.360	638	756
Right caudal middle frontal gyrus	-0.096	0.009	0.075	0.378	640	767
Left precentral gyrus	-0.095	0.008	0.082	0.378	631	762
Left superior frontal gyrus	-0.095	0.009	0.085	0.378	626	741
Right transverse temporal gyrus	-0.092	0.013	0.086	0.378	645	772
Right cortical thickness	-0.087	0.006	0.106	0.435	645	771
Left cortical thickness	-0.083	0.006	0.122	0.474	646	773
Right pars triangularis	-0.080	0.010	0.142	0.508	633	759
Right precentral gyrus	-0.078	0.008	0.152	0.508	624	754
Left pars triangularis	-0.078	0.010	0.150	0.508	643	770
Left fusiform gyrus	-0.075	0.009	0.163	0.520	641	769
Right supramarginal gyrus	-0.074	0.009	0.187	0.554	590	732
Right pars orbitalis	-0.069	0.013	0.203	0.554	643	773
Left lingual gyrus	-0.068	0.008	0.206	0.554	642	769
Right insula	-0.068	0.011	0.214	0.554	633	751

Left pericalcarine gyrus	-0.068	0.008	0.212	0.554	638	765
Left postcentral gyrus	-0.065	0.007	0.232	0.563	631	757
Right middle temporal gyrus	-0.065	0.009	0.234	0.563	634	754
Left cuneus	-0.064	0.008	0.241	0.563	630	757
Left superior temporal gyrus	-0.064	0.010	0.267	0.583	568	690
Left temporal pole	-0.060	0.021	0.265	0.583	644	770
Left middle temporal gyrus	-0.058	0.010	0.302	0.587	600	701
Left paracentral lobule	-0.058	0.009	0.283	0.587	642	769
Left superior parietal cortex	-0.057	0.007	0.292	0.587	634	759
Left medial orbitofrontal cortex	-0.056	0.011	0.298	0.587	641	770
Right superior temporal gyrus	-0.056	0.010	0.323	0.604	582	722
Right banks superior temporal sulcus	-0.053	0.011	0.339	0.604	597	726
Right pericalcarine gyrus	-0.053	0.008	0.332	0.604	635	763
Left caudal middle frontal gyrus	-0.051	0.009	0.345	0.604	634	766
Right superior frontal gyrus	-0.050	0.009	0.358	0.611	639	760
Right temporal pole	-0.045	0.023	0.405	0.660	635	759
Right superior parietal cortex	-0.044	0.007	0.415	0.660	630	759
Right frontal pole	-0.041	0.018	0.444	0.689	643	773
Left inferior temporal cortex gyrus	-0.041	0.010	0.453	0.689	629	763
Right fusiform gyrus	-0.040	0.009	0.467	0.695	633	758
Right paracentral lobule	-0.037	0.009	0.491	0.703	641	773
Right precuneus	-0.037	0.008	0.492	0.703	644	768
Right lateral occipital cortex	-0.035	0.008	0.515	0.716	641	762
Right rostral anterior cingulate cortex	-0.035	0.015	0.522	0.716	636	760
Right inferior temporal cortex gyrus	-0.034	0.010	0.533	0.717	642	767
Left insula	-0.031	0.010	0.567	0.749	637	757
Right caudal anterior cingulate cortex	-0.030	0.015	0.583	0.749	639	764
Left lateral occipital cortex	-0.029	0.008	0.593	0.749	640	763
Left pars orbitalis	-0.028	0.013	0.599	0.749	642	770

Right rostral middle frontal gyrus	-0.027	0.008	0.622	0.764	644	770
Left banks superior temporal sulcus	-0.025	0.011	0.661	0.785	590	701
Left rostral middle frontal gyrus	-0.024	0.008	0.657	0.785	641	766
Right cuneus	-0.021	0.008	0.702	0.816	629	756
Left inferior parietal cortex	-0.020	0.008	0.711	0.816	613	745
Right inferior parietal cortex	-0.018	0.008	0.738	0.833	621	755
Left parahippocampal gyrus	-0.011	0.019	0.839	0.933	640	770
Left isthmus cingulate cortex	-0.008	0.013	0.885	0.933	641	772
Right lateral orbitofrontal cortex	-0.007	0.010	0.893	0.933	646	772
Right parahippocampal gyrus	-0.001	0.015	0.980	0.993	640	771
Left transverse temporal gyrus	0.000	0.013	0.993	0.993	643	771
Left frontal pole	0.003	0.018	0.959	0.987	642	771
Right isthmus cingulate cortex	0.009	0.012	0.874	0.933	645	773
Left lateral orbitofrontal cortex	0.010	0.010	0.854	0.933	645	770
Left rostral anterior cingulate cortex	0.045	0.015	0.411	0.660	637	757
Left entorhinal cortex	0.133	0.023	0.018	0.251	590	717
Right entorhinal cortex	0.150	0.024	0.009	0.171	579	685

**TABLE S22a:** Full mega-analytic results for surface area of each structure for the adult onset OCD patients compared with adult healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (Adult-onset vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left transverse temporal cortex	-0.166	3.363	2.233E-04	0.015	1431	770
Left pars opercularis	-0.144	11.565	0.001	0.050	1425	769
Right transverse temporal cortex	-0.123	2.460	0.006	0.141	1432	771
Right superior temporal gyrus	-0.120	14.245	0.010	0.171	1314	721
Left pars triangularis	-0.099	8.187	0.028	0.382	1432	769
Right posterior cingulate cortex	-0.084	7.308	0.061	0.695	1425	772
Right middle temporal gyrus	-0.080	14.965	0.080	0.697	1401	754
Left superior temporal gyrus	-0.080	16.869	0.093	0.697	1294	689
Left postcentral gyrus	-0.078	18.129	0.087	0.697	1401	756
Left insula	-0.072	8.961	0.113	0.697	1412	756
Left surface area	-0.070	213.224	0.119	1.000	1433	772
Left supramarginal gyrus	-0.069	21.497	0.141	0.706	1308	710
Right superior frontal gyrus	-0.066	27.207	0.144	0.706	1408	759
Left entorhinal cortex	-0.062	3.504	0.185	0.706	1316	717
Left superior frontal gyrus	-0.061	26.857	0.184	0.706	1411	740
Right supramarginal gyrus	-0.059	20.156	0.201	0.706	1319	731
Left caudal middle frontal gyrus	-0.054	14.753	0.229	0.706	1427	765
Left isthmus cingulate cortex	-0.054	6.878	0.227	0.706	1429	771
Left superior parietal cortex	-0.053	24.325	0.242	0.706	1415	758
Right isthmus cingulate cortex	-0.053	6.140	0.236	0.706	1427	772
Right pars triangularis	-0.052	10.184	0.250	0.706	1421	758
Left lingual gyrus	-0.052	16.530	0.248	0.706	1425	768
Left middle temporal gyrus	-0.051	15.241	0.284	0.706	1319	700
Right pars opercularis	-0.051	9.658	0.261	0.706	1416	760
Right surface area	-0.047	216.320	0.294	1.000	1434	772



Left inferior temporal cortex gyrus	-0.042	18.158	0.352	0.706	1382	762
Left lateral occipital cortex	-0.041	21.929	0.366	0.706	1417	762
Left frontal pole	-0.041	1.539	0.359	0.706	1433	770
Right precentral gyrus	-0.039	20.670	0.396	0.706	1403	753
Right pars orbitalis	-0.039	4.138	0.389	0.706	1429	772
Left banks superior temporal sulcus	-0.038	7.120	0.418	0.706	1282	700
Right postcentral gyrus	-0.037	17.648	0.408	0.706	1412	763
Left lateral orbitofrontal cortex	-0.035	10.696	0.442	0.706	1431	769
Right lateral occipital cortex	-0.034	22.302	0.447	0.706	1419	761
Right insula	-0.031	10.053	0.489	0.744	1413	750
Right entorhinal cortex	-0.030	6.114	0.539	0.772	1242	684
Left pars orbitalis	-0.029	3.331	0.526	0.772	1429	769
Right fusiform gyrus	-0.027	15.728	0.545	0.772	1426	757
Right superior parietal cortex	-0.020	23.732	0.665	0.904	1409	758
Left posterior cingulate cortex	-0.017	7.051	0.706	0.930	1429	770
Right pericalcarine gyrus	-0.016	10.137	0.728	0.930	1407	762
Right lingual gyrus	-0.015	15.749	0.739	0.930	1431	770
Left pericalcarine gyrus	-0.015	9.412	0.738	0.930	1404	764
Right caudal anterior cingulate cortex	-0.013	6.625	0.782	0.956	1420	763
Left precentral gyrus	-0.009	18.712	0.840	0.971	1406	761
Right rostral anterior cingulate cortex	-0.008	5.568	0.865	0.980	1411	760
Right banks superior temporal sulcus	-0.004	5.916	0.939	0.996	1319	725
Left cuneus	-0.003	8.359	0.956	0.996	1402	756
Left paracentral lobule	-0.003	7.454	0.942	0.996	1428	768
Right lateral orbitofrontal cortex	-0.001	11.698	0.985	0.996	1429	771
Right frontal pole	0.001	1.921	0.982	0.996	1432	772
Left temporal pole	<0.001	2.726	0.996	0.996	1434	769
Left rostral middle frontal gyrus	0.002	25.836	0.967	0.996	1427	765
Right rostral middle frontal gyrus	0.005	26.731	0.920	0.996	1422	769

Right parahippocampal gyrus	0.009	4.206	0.842	0.971	1418	770
Right precuneus	0.010	17.731	0.826	0.971	1427	767
Right caudal middle frontal gyrus	0.012	15.007	0.788	0.956	1421	766
Right cuneus	0.020	8.088	0.653	0.904	1399	755
Right inferior temporal cortex gyrus	0.031	17.173	0.492	0.744	1399	766
Left rostral anterior cingulate cortex	0.036	6.095	0.434	0.706	1413	756
Left fusiform gyrus	0.037	16.073	0.412	0.706	1426	768
Left inferior parietal cortex	0.041	24.382	0.373	0.706	1363	744
Left medial orbitofrontal cortex	0.043	9.445	0.335	0.706	1428	769
Right paracentral lobule	0.045	8.594	0.314	0.706	1430	772
Right temporal pole	0.046	2.772	0.305	0.706	1428	758
Left precuneus	0.046	15.990	0.305	0.706	1424	771
Right inferior parietal cortex	0.047	27.036	0.304	0.706	1377	754
Left parahippocampal gyrus	0.048	4.490	0.283	0.706	1422	769
Right medial orbitofrontal cortex	0.048	7.738	0.290	0.706	1426	766
Left caudal anterior cingulate cortex	0.073	5.773	0.106	0.697	1413	755

**TABLE S22b:** Full mega-analytic results for surface area of each structure for the childhood onset OCD patients compared with adult healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (Childhood-onset vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left transverse temporal cortex	-0.145	3.477	0.002	0.166	1431	643
Right rostral anterior cingulate cortex	-0.103	5.838	0.032	0.937	1411	636
Right supramarginal gyrus	-0.095	21.191	0.059	0.937	1319	590
Left pars triangularis	-0.095	8.494	0.048	0.937	1432	643
Right transverse temporal cortex	-0.078	2.553	0.103	0.937	1432	645
Right superior temporal gyrus	-0.075	15.087	0.133	0.937	1314	582
Left rostral anterior cingulate cortex	-0.072	6.384	0.135	0.937	1413	637
Left superior frontal gyrus	-0.066	28.211	0.174	0.937	1411	626
Right superior frontal gyrus	-0.063	28.485	0.194	0.937	1408	639
Right caudal anterior cingulate cortex	-0.063	7.101	0.192	0.937	1420	639
Left caudal anterior cingulate cortex	-0.058	5.859	0.226	0.937	1413	638
Left posterior cingulate cortex	-0.054	7.356	0.262	0.937	1429	642
Right pericalcarine gyrus	-0.049	10.588	0.312	0.937	1407	635
Right posterior cingulate cortex	-0.048	7.884	0.314	0.937	1425	640
Left pars orbitalis	-0.044	3.502	0.359	0.937	1429	642
Left lateral orbitofrontal cortex	-0.038	11.248	0.431	0.937	1431	645
Right cuneus	-0.038	8.854	0.434	0.937	1399	629
Left postcentral gyrus	-0.035	19.392	0.469	0.937	1401	631
Left cuneus	-0.033	8.756	0.494	0.937	1402	630
Left superior parietal cortex	-0.029	25.954	0.548	0.937	1415	634
Right precuneus	-0.025	18.911	0.607	0.937	1427	644
Left superior temporal gyrus	-0.025	17.643	0.628	0.937	1294	568
Left supramarginal gyrus	-0.025	22.813	0.623	0.937	1308	587
Left frontal pole	-0.025	1.613	0.596	0.937	1433	642
Left surface area	-0.025	224.936	0.594	1.000	1433	646

Left medial orbitofrontal cortex	-0.024	9.798	0.617	0.937	1428	641
Right lateral occipital cortex	-0.020	23.796	0.681	0.937	1419	641
Left pars opercularis	-0.020	12.041	0.676	0.937	1425	642
Left paracentral lobule	-0.018	7.937	0.703	0.937	1428	642
Left caudal middle frontal gyrus	-0.018	15.835	0.703	0.937	1427	634
Right pars opercularis	-0.015	10.161	0.753	0.967	1416	639
Right superior parietal cortex	-0.014	25.302	0.776	0.968	1409	630
Left insula	-0.013	9.687	0.783	0.968	1412	637
Right pars triangularis	-0.011	10.711	0.816	0.977	1421	633
Left lateral occipital cortex	-0.010	22.827	0.832	0.977	1417	640
Right caudal middle frontal gyrus	-0.008	16.101	0.875	0.977	1421	640
Right entorhinal cortex	-0.008	6.459	0.875	0.977	1242	579
Left pericalcarine gyrus	-0.007	9.925	0.887	0.977	1404	638
Right temporal pole	-0.005	2.948	0.912	0.979	1428	635
Right surface area	-0.004	227.308	0.936	1.000	1434	644
Right insula	-0.001	10.510	0.977	0.981	1413	633
Left temporal pole	0.001	2.807	0.981	0.981	1434	644
Left inferior temporal cortex gyrus	0.003	18.832	0.950	0.979	1382	629
Left lingual gyrus	0.004	17.670	0.938	0.979	1425	642
Right paracentral lobule	0.004	9.259	0.938	0.979	1430	641
Right lingual gyrus	0.007	16.266	0.891	0.977	1431	642
Right parahippocampal gyrus	0.010	4.526	0.835	0.977	1418	640
Right medial orbitofrontal cortex	0.016	8.148	0.744	0.967	1426	642
Right inferior temporal cortex gyrus	0.021	17.943	0.668	0.937	1399	642
Left rostral middle frontal gyrus	0.022	27.607	0.647	0.937	1427	641
Right rostral middle frontal gyrus	0.022	28.073	0.653	0.937	1422	644
Right lateral orbitofrontal cortex	0.024	12.245	0.614	0.937	1429	646
Right postcentral gyrus	0.026	18.694	0.591	0.937	1412	632
Left isthmus cingulate cortex	0.027	7.257	0.571	0.937	1429	641

Left inferior parietal cortex	0.028	25.243	0.573	0.937	1363	613
Left precentral gyrus	0.033	19.579	0.497	0.937	1406	631
Left precuneus	0.034	17.203	0.472	0.937	1424	643
Right isthmus cingulate cortex	0.034	6.417	0.483	0.937	1427	645
Right middle temporal gyrus	0.035	15.720	0.471	0.937	1401	634
Right fusiform gyrus	0.037	16.349	0.445	0.937	1426	633
Left banks superior temporal sulcus	0.040	7.455	0.424	0.937	1282	590
Right frontal pole	0.043	2.045	0.371	0.937	1432	643
Left entorhinal cortex	0.047	3.752	0.346	0.937	1316	590
Left fusiform gyrus	0.050	16.982	0.299	0.937	1426	641
Right precentral gyrus	0.050	21.674	0.305	0.937	1403	624
Right pars orbitalis	0.056	4.358	0.241	0.937	1429	643
Left middle temporal gyrus	0.056	15.657	0.261	0.937	1319	600
Right banks superior temporal sulcus	0.063	6.289	0.207	0.937	1319	597
Left parahippocampal gyrus	0.063	4.582	0.192	0.937	1422	640
Right inferior parietal cortex	0.075	28.780	0.122	0.937	1377	621

**TABLE S22c:** Full mega-analytic results for surface area of each structure for the childhood onset OCD patients compared with adult onset patients, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (Childhood vs Adult-onset)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N childhood onset patients</b>	<b>N adult onset patients</b>
<b>Left pars opercularis</b>	-0.117	14.189	0.030	0.811	642	769
<b>Right middle temporal gyrus</b>	-0.101	18.774	0.063	0.840	634	754
<b>Right precentral gyrus</b>	-0.084	26.949	0.125	0.840	624	753
<b>Left banks superior temporal sulcus</b>	-0.083	9.214	0.145	0.840	590	700
<b>Left lingual gyrus</b>	-0.078	20.872	0.148	0.840	642	768
<b>Left isthmus cingulate cortex</b>	-0.076	9.010	0.160	0.840	641	771
<b>Left postcentral gyrus</b>	-0.074	23.550	0.175	0.840	631	756
<b>Right frontal pole</b>	-0.072	2.507	0.183	0.840	643	772
<b>Left caudal middle frontal gyrus</b>	-0.072	19.131	0.186	0.840	634	765
<b>Left entorhinal cortex</b>	-0.072	4.494	0.203	0.840	590	717
<b>Right isthmus cingulate cortex</b>	-0.071	8.147	0.188	0.840	645	772
<b>Right postcentral gyrus</b>	-0.069	22.146	0.206	0.840	632	763
<b>Left superior temporal gyrus</b>	-0.066	20.873	0.250	0.840	568	689
<b>Left lateral occipital cortex</b>	-0.063	27.066	0.244	0.840	640	762
<b>Right pars triangularis</b>	-0.060	13.092	0.269	0.840	633	758
<b>Right pars orbitalis</b>	-0.056	5.311	0.299	0.840	643	772
<b>Right banks superior temporal sulcus</b>	-0.056	7.468	0.317	0.840	597	725
<b>Right fusiform gyrus</b>	-0.056	19.750	0.306	0.840	633	757
<b>Left middle temporal gyrus</b>	-0.054	19.142	0.339	0.840	600	700
<b>Left insula</b>	-0.054	11.509	0.325	0.840	637	756
<b>Left frontal pole</b>	-0.050	1.938	0.358	0.840	642	770
<b>Left precentral gyrus</b>	-0.048	24.779	0.383	0.844	631	761
<b>Left surface area</b>	-0.047	274.441	0.381	1.000	646	772
<b>Left supramarginal gyrus</b>	-0.046	27.265	0.414	0.844	587	710
<b>Right surface area</b>	-0.045	277.645	0.400	1.000	644	772

Right rostral middle frontal gyrus	-0.041	33.051	0.442	0.844	644	769
Right insula	-0.040	12.451	0.462	0.844	633	750
Left inferior temporal cortex gyrus	-0.036	22.897	0.503	0.844	629	762
Left rostral middle frontal gyrus	-0.035	32.692	0.523	0.844	641	765
Right lingual gyrus	-0.034	20.574	0.523	0.844	642	770
Left pars triangularis	-0.034	10.440	0.527	0.844	643	769
Left superior parietal cortex	-0.032	30.941	0.552	0.844	634	758
Right superior parietal cortex	-0.032	29.743	0.560	0.844	630	758
Right posterior cingulate cortex	-0.031	9.585	0.571	0.844	640	772
Right pars opercularis	-0.028	12.496	0.607	0.860	639	760
Right entorhinal cortex	-0.024	5.117	0.675	0.877	579	684
Right transverse temporal gyrus	-0.024	3.059	0.661	0.877	645	771
Right inferior parietal cortex	-0.024	34.817	0.668	0.877	621	754
Left transverse temporal gyrus	-0.023	4.182	0.667	0.877	643	770
Right superior temporal gyrus	-0.023	18.134	0.684	0.877	582	721
Left paracentral lobule	-0.017	9.382	0.754	0.913	642	768
Left fusiform gyrus	-0.014	20.835	0.791	0.913	641	768
Left parahippocampal gyrus	-0.014	5.771	0.792	0.913	640	769
Right caudal middle frontal gyrus	-0.010	19.337	0.859	0.973	640	766
Right paracentral lobule	-0.009	11.408	0.875	0.975	641	772
Right lateral occipital cortex	-0.006	28.425	0.908	0.976	641	761
Right superior frontal gyrus	-0.006	35.164	0.913	0.976	639	759
Left pericalcarine gyrus	-0.003	11.852	0.960	0.978	638	764
Left inferior parietal cortex	-0.001	31.575	0.989	0.989	613	744
Left lateral orbitofrontal cortex	0.002	13.601	0.964	0.978	645	769
Right inferior temporal cortex gyrus	0.004	22.346	0.944	0.978	642	766
Left temporal pole	0.006	3.395	0.918	0.976	644	769
Left pars orbitalis	0.015	4.213	0.781	0.913	642	769
Left cuneus	0.015	10.708	0.780	0.913	630	756

Left superior frontal gyrus	0.018	35.523	0.748	0.913	626	740
Right lateral orbitofrontal cortex	0.028	14.774	0.601	0.860	646	771
Right medial orbitofrontal cortex	0.032	9.875	0.560	0.844	642	766
Right pericalcarine gyrus	0.034	12.558	0.530	0.844	635	762
Right supramarginal gyrus	0.038	26.106	0.492	0.844	590	731
Right parahippocampal gyrus	0.040	5.369	0.458	0.844	640	770
Right cuneus	0.041	10.660	0.449	0.844	629	755
Right temporal pole	0.042	3.458	0.436	0.844	635	758
Right caudal anterior cingulate cortex	0.050	8.226	0.354	0.840	639	763
Left precuneus	0.056	20.809	0.298	0.840	643	771
Right precuneus	0.058	22.457	0.281	0.840	644	767
Left medial orbitofrontal cortex	0.063	11.845	0.242	0.840	641	769
Left posterior cingulate cortex	0.069	8.707	0.199	0.840	642	770
Right rostral anterior cingulate cortex	0.088	7.097	0.105	0.840	636	760
Left rostral anterior cingulate cortex	0.114	7.538	0.036	0.811	637	756
Left caudal anterior cingulate cortex	0.129	7.355	0.018	0.811	638	755



**TABLE S23a:** Full mega-analytic results for cortical thickness of each structure for the age of onset regression analysis in adult OCD patients, controlling for age, sex and scan center. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (AO)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
Right postcentral gyrus	-0.065	<0.001	0.016	0.449	1396
Right superior temporal gyrus	-0.061	0.001	0.030	0.449	1304
Right banks superior temporal sulcus	-0.060	0.001	0.031	0.449	1323
Left supramarginal gyrus	-0.056	0.001	0.048	0.476	1298
Right transverse temporal cortex	-0.054	0.001	0.045	0.476	1417
Left precuneus	-0.049	0.001	0.068	0.592	1415
Left precentral gyrus	-0.048	0.001	0.077	0.598	1393
Left posterior cingulate cortex	-0.038	0.001	0.159	0.912	1413
Right precentral gyrus	-0.036	0.001	0.190	0.912	1378
Left postcentral gyrus	-0.032	<0.001	0.237	0.912	1388
Right middle temporal gyrus	-0.032	0.001	0.232	0.912	1388
Left middle temporal gyrus	-0.030	0.001	0.285	0.912	1301
Left inferior parietal cortex	-0.029	0.001	0.295	0.912	1358
Left banks superior temporal sulcus	-0.027	0.001	0.341	0.912	1291
Left caudal anterior cingulate cortex	-0.026	0.001	0.337	0.912	1394
Left pericalcarine gyrus	-0.026	<0.001	0.330	0.912	1403
Right inferior parietal cortex	-0.023	0.001	0.401	0.912	1376
Right pars orbitalis	-0.022	0.001	0.417	0.912	1416
Left paracentral lobule	-0.021	0.001	0.437	0.912	1411
Right rostral anterior cingulate cortex	-0.020	0.001	0.467	0.912	1396
Left fusiform gyrus	-0.019	0.001	0.486	0.912	1410
Left superior temporal gyrus	-0.019	0.001	0.504	0.912	1258
Right supramarginal gyrus	-0.019	0.001	0.489	0.912	1322
Right fusiform gyrus	-0.018	0.001	0.496	0.912	1391
Left pars triangularis	-0.017	0.001	0.535	0.912	1413

Right lingual gyrus	-0.017	<0.001	0.525	0.912	1413
Left pars opercularis	-0.016	0.001	0.540	0.912	1412
Left cuneus	-0.015	0.001	0.589	0.912	1387
Right caudal middle frontal gyrus	-0.015	0.001	0.583	0.912	1407
Right precuneus	-0.014	0.001	0.609	0.912	1412
Right caudal anterior cingulate cortex	-0.014	0.001	0.606	0.912	1403
Left parahippocampal gyrus	-0.014	0.001	0.602	0.912	1410
Right pars opercularis	-0.013	0.001	0.629	0.912	1399
Left inferior temporal cortex gyrus	-0.012	0.001	0.652	0.912	1392
Right cortical thickness	-0.012	<0.001	0.647	0.912	1416
Left superior parietal cortex	-0.012	<0.001	0.649	0.912	1393
Left cortical thickness	-0.011	<0.001	0.684	0.912	1419
Right pericalcarine gyrus	-0.011	<0.001	0.685	0.912	1398
Right parahippocampal gyrus	-0.011	0.001	0.672	0.912	1411
Right posterior cingulate cortex	-0.009	0.001	0.749	0.912	1413
Right paracentral lobule	-0.009	0.001	0.731	0.912	1414
Right superior parietal cortex	-0.008	<0.001	0.771	0.912	1389
Left temporal pole	-0.008	0.001	0.759	0.912	1414
Right temporal pole	-0.007	0.001	0.806	0.912	1394
Left lingual gyrus	-0.007	<0.001	0.801	0.912	1411
Right pars triangularis	-0.003	0.001	0.907	0.981	1392
Right inferior temporal cortex gyrus	-0.002	0.001	0.927	0.981	1409
Left medial orbitofrontal cortex	-0.001	0.001	0.967	0.981	1411
Left caudal middle frontal gyrus	0.001	0.001	0.957	0.981	1400
Right medial orbitofrontal cortex	<0.001	0.001	0.991	0.991	1408
Left insula	0.002	0.001	0.947	0.981	1394
Left pars orbitalis	0.003	0.001	0.921	0.981	1412
Right cuneus	0.003	0.001	0.922	0.981	1385
Left isthmus cingulate cortex	0.007	0.001	0.781	0.912	1413

Right insula	0.007	0.001	0.808	0.912	1384
Left frontal pole	0.009	0.001	0.733	0.912	1413
Left superior frontal gyrus	0.010	0.001	0.708	0.912	1367
Right isthmus cingulate cortex	0.012	0.001	0.657	0.912	1418
Left transverse temporal cortex	0.014	0.001	0.608	0.912	1414
Right lateral occipital cortex	0.014	0.001	0.616	0.912	1403
Right frontal pole	0.017	0.001	0.536	0.912	1416
Left rostral anterior cingulate cortex	0.019	0.001	0.481	0.912	1394
Left lateral occipital cortex	0.025	0.001	0.361	0.912	1403
Right lateral orbitofrontal cortex	0.027	0.001	0.316	0.912	1418
Right superior frontal gyrus	0.031	0.001	0.247	0.912	1399
Left entorhinal cortex	0.033	0.001	0.243	0.912	1307
Right rostral middle frontal gyrus	0.035	<0.001	0.193	0.912	1414
Left rostral middle frontal gyrus	0.040	0.001	0.138	0.912	1407
Left lateral orbitofrontal cortex	0.058	0.001	0.032	0.449	1415
Right entorhinal cortex	0.074	0.002	0.009	0.449	1264

**TABLE S23b:** Full mega-analytic results for surface area of each structure for the age of onset regression analysis in adult OCD patients, controlling for age, sex, scan center and ICV. Correlation coefficient Pearsons r is reported.

	Pearson's r (AO)	Standard Error	P-value	FDR P-value	N patients
Left frontal pole	-0.079	0.119	0.012	0.297	1412
Left caudal middle frontal gyrus	-0.077	1.171	0.003	0.238	1399
Right superior frontal gyrus	-0.057	2.156	0.054	0.372	1398
Right superiortempora gyrus	-0.053	1.119	0.023	0.297	1303
Right postcentral gyrus	-0.052	1.355	0.035	0.297	1395
Left postcentral gyrus	-0.052	1.437	0.030	0.297	1387
Left pars opercularis	-0.051	0.869	0.023	0.297	1411
Right caudal middle frontal gyrus	-0.045	1.188	0.095	0.405	1406
Right surface area	-0.045	17.016	0.021	1	1416
Right insula	-0.043	0.762	0.022	0.297	1383
Right precentral gyrus	-0.042	1.652	0.122	0.405	1377
Right pars opercularis	-0.042	0.770	0.093	0.405	1399
Left insula	-0.042	0.703	0.035	0.297	1393
Left surface area	-0.040	16.829	0.030	1	1418
Left paracentral lobule	-0.039	0.575	0.308	0.538	1410
Left superiortempora gyrus	-0.039	1.301	0.100	0.405	1257
Left isthmus cingulate cortex	-0.038	0.551	0.205	0.511	1412
Left lateral occipital cortex	-0.038	1.658	0.116	0.405	1402
Right pars triangularis	-0.036	0.799	0.081	0.405	1391
Left medial orbitofrontal cortex	-0.034	0.726	0.145	0.429	1410
Right caudal anterior cingulate cortex	-0.034	0.504	0.129	0.405	1402
Right banks superior temporal sulcus	-0.033	0.464	0.055	0.372	1322
Right entorhinal cortex	-0.032	0.317	0.278	0.519	1263
Right isthmus cingulate cortex	-0.032	0.499	0.271	0.519	1417
Right lateral occipital cortex	-0.031	1.746	0.178	0.478	1402

Left lateral orbitofrontal cortex	-0.031	0.835	0.131	0.405	1414
Left rostral middle frontal gyrus	-0.030	2.013	0.108	0.405	1406
Left pars triangularis	-0.030	0.639	0.152	0.432	1412
Right rostral middle frontal gyrus	-0.030	2.028	0.109	0.405	1413
Right lateral orbitofrontal cortex	-0.029	0.906	0.239	0.519	1417
Right middle temporal gyrus	-0.029	1.157	0.066	0.405	1388
Right superior parietal cortex	-0.024	1.822	0.298	0.534	1388
Right medial orbitofrontal cortex	-0.023	0.606	0.183	0.478	1408
Left banks superior temporal sulcus	-0.023	0.565	0.250	0.519	1290
Right frontal pole	-0.022	0.154	0.623	0.825	1415
Left lingual gyrus	-0.021	1.282	0.111	0.405	1410
Right paracentral lobule	-0.020	0.699	0.604	0.825	1413
Left pars orbitalis	-0.020	0.258	0.384	0.622	1411
Right posterior cingulate cortex	-0.020	0.588	0.331	0.563	1412
Left inferior temporal cortex gyrus	-0.019	1.413	0.233	0.519	1391
Left precentral gyrus	-0.017	1.510	0.482	0.728	1392
Left superior frontal gyrus	-0.017	2.192	0.621	0.825	1366
Left inferior parietal cortex	-0.016	1.933	0.233	0.519	1357
Right fusiform gyrus	-0.016	1.212	0.369	0.611	1390
Left middle temporal gyrus	-0.014	1.180	0.279	0.519	1300
Left cuneus	-0.012	0.654	0.282	0.519	1386
Right lingual gyrus	-0.012	1.260	0.210	0.511	1412
Left precuneus	-0.010	1.275	0.447	0.691	1414
Left entorhinal cortex	-0.009	0.272	0.723	0.863	1307
Right parahippocampal gyrus	-0.009	0.329	0.560	0.811	1410
Left caudal anterior cingulate cortex	-0.008	0.456	0.655	0.825	1393
Right precuneus	-0.007	1.376	0.649	0.825	1411
Left fusiform gyrus	-0.006	1.278	0.592	0.825	1409
Right inferior parietal cortex	-0.004	2.147	0.513	0.759	1375

Left transverse temporal gyrus	-0.002	0.256	0.635	0.825	1413
Right pars orbitalis	0.002	0.326	0.886	0.948	1415
Left parahippocampal gyrus	0.003	0.355	0.905	0.948	1409
Left temporal pole	0.004	0.208	0.830	0.939	1413
Left rostral anterior cingulate cortex	0.006	0.466	0.893	0.948	1393
Right rostral anterior cingulate cortex	0.007	0.436	0.967	0.981	1396
Left supramarginal gyrus	0.009	1.689	0.921	0.949	1297
Left superior parietal cortex	0.009	1.904	0.803	0.926	1392
Left pericalcarine gyrus	0.014	0.724	0.723	0.863	1402
Right transverse temporal gyrus	0.014	0.188	0.842	0.939	1416
Right supramarginal gyrus	0.019	1.611	0.675	0.835	1321
Right inferior temporal cortex gyrus	0.020	1.384	0.906	0.948	1408
Right cuneus	0.025	0.657	0.764	0.896	1384
Left posterior cingulate cortex	0.027	0.534	0.414	0.654	1412
Right temporal pole	0.028	0.211	0.282	0.519	1393
Right pericalcarine gyrus	0.029	0.777	0.985	0.985	1397

**TABLE S24a:** Full mega-analytic results for the cortical thickness of each structure for the age of onset regression analysis in pediatric OCD patients, controlling for age, sex and scan center. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (AO)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
<b>Left transverse temporal cortex</b>	-0.168	0.006	0.005	0.258	289
<b>Left fusiform gyrus</b>	-0.155	0.004	0.010	0.258	286
<b>Right lateral occipital cortex</b>	-0.153	0.003	0.011	0.258	286
<b>Right inferior temporal cortex gyrus</b>	-0.149	0.005	0.015	0.258	278
<b>Left middle temporal gyrus</b>	-0.139	0.005	0.025	0.288	272
<b>Left inferior temporal cortex gyrus</b>	-0.134	0.005	0.027	0.288	280
<b>Right pars opercularis</b>	-0.128	0.005	0.034	0.288	283
<b>Right inferior parietal cortex</b>	-0.125	0.004	0.042	0.288	275
<b>Right cuneus</b>	-0.122	0.004	0.042	0.288	286
<b>Left postcentral gyrus</b>	-0.120	0.003	0.051	0.288	275
<b>Right cortical thickness</b>	-0.119	0.003	0.048	0.288	289
<b>Left lateral orbitofrontal cortex</b>	-0.118	0.005	0.049	0.288	288
<b>Left cortical thickness</b>	-0.116	0.003	0.053	0.288	289
<b>Left inferior parietal cortex</b>	-0.113	0.004	0.068	0.319	269
<b>Left cuneus</b>	-0.112	0.003	0.063	0.316	285
<b>Left banks superior temporal sulcus</b>	-0.109	0.005	0.091	0.397	253
<b>Right middle temporal gyrus</b>	-0.101	0.005	0.101	0.397	277
<b>Left superior temporal gyrus</b>	-0.100	0.005	0.113	0.397	264
<b>Left lingual gyrus</b>	-0.098	0.003	0.103	0.397	286
<b>Right pars triangularis</b>	-0.097	0.005	0.109	0.397	286
<b>Left supramarginal gyrus</b>	-0.093	0.004	0.139	0.431	266
<b>Right postcentral gyrus</b>	-0.091	0.003	0.138	0.431	278
<b>Right fusiform gyrus</b>	-0.087	0.004	0.151	0.431	284
<b>Right pars orbitalis</b>	-0.086	0.006	0.155	0.431	286
<b>Left precuneus</b>	-0.086	0.004	0.156	0.431	285

Right supramarginal gyrus	-0.085	0.004	0.170	0.431	274
Right insula	-0.084	0.005	0.174	0.431	276
Left frontal pole	-0.083	0.010	0.167	0.431	287
Left insula	-0.081	0.004	0.186	0.431	280
Right caudal middle frontal gyrus	-0.081	0.005	0.183	0.431	284
Left pars opercularis	-0.080	0.004	0.191	0.431	282
Left superior parietal cortex	-0.077	0.004	0.205	0.435	285
Right lateral orbitofrontal cortex	-0.076	0.004	0.205	0.435	289
Right banks superior temporal sulcus	-0.074	0.005	0.238	0.450	267
Left lateral occipital cortex	-0.074	0.003	0.218	0.447	286
Right rostral middle frontal gyrus	-0.073	0.004	0.230	0.447	286
Right parahippocampal gyrus	-0.073	0.007	0.226	0.447	285
Right temporal pole	-0.070	0.011	0.251	0.462	285
Left pars triangularis	-0.065	0.005	0.279	0.501	285
Left medial orbitofrontal cortex	-0.061	0.005	0.312	0.538	284
Right frontal pole	-0.060	0.009	0.321	0.538	289
Right posterior cingulate cortex	-0.060	0.004	0.323	0.538	285
Left rostral middle frontal gyrus	-0.057	0.004	0.346	0.563	288
Right precuneus	-0.056	0.004	0.355	0.565	282
Left pericalcarine gyrus	-0.054	0.004	0.370	0.576	285
Right caudal anterior cingulate cortex	-0.051	0.007	0.404	0.598	284
Right superior temporal gyrus	-0.051	0.005	0.410	0.598	272
Right transverse temporal cortex	-0.050	0.006	0.407	0.598	288
Left paracentral lobule	-0.047	0.005	0.436	0.623	286
Left rostral anterior cingulate cortex	-0.046	0.008	0.456	0.624	278
Right medial orbitofrontal cortex	-0.045	0.005	0.460	0.624	283
Right paracentral lobule	-0.040	0.004	0.513	0.673	286
Right superior frontal gyrus	-0.039	0.005	0.529	0.673	279
Left parahippocampal gyrus	-0.038	0.007	0.527	0.673	285



Right lingual gyrus	-0.035	0.003	0.565	0.707	288
Right superior parietal cortex	-0.032	0.004	0.602	0.727	284
Right isthmus cingulate cortex	-0.029	0.006	0.634	0.739	284
Left isthmus cingulate cortex	-0.025	0.006	0.683	0.784	284
Left superior frontal gyrus	-0.022	0.005	0.721	0.797	280
Left pars orbitalis	-0.021	0.007	0.728	0.797	288
Left temporal pole	-0.020	0.012	0.747	0.804	284
Right entorhinal cortex	-0.014	0.010	0.838	0.889	241
Left entorhinal cortex	-0.009	0.009	0.887	0.913	260
Right rostral anterior cingulate cortex	0.002	0.007	0.972	0.972	281
Right pericalcarine gyrus	0.006	0.004	0.927	0.941	287
Left posterior cingulate cortex	0.009	0.005	0.884	0.913	288
Left caudal anterior cingulate cortex	0.023	0.008	0.709	0.797	282
Left caudal middle frontal gyrus	0.030	0.005	0.623	0.739	288
Right precentral gyrus	0.034	0.004	0.582	0.714	280
Left precentral gyrus	0.045	0.004	0.464	0.624	281

**TABLE S24b:** Full mega-analytic results for the surface area of each structure for the age of onset regression analysis in pediatric OCD patients, controlling for age, sex, scan center and ICV. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (AO)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
Right rostral anterior cingulate cortex	-0.109	3.391	0.073	0.928	281
Left caudal anterior cingulate cortex	-0.090	3.459	0.140	0.928	282
Left precentral gyrus	-0.084	10.607	0.169	0.928	281
Left posterior cingulate cortex	-0.078	4.209	0.197	0.928	288
Left inferior temporal cortex gyrus	-0.076	10.230	0.215	0.928	280
Left pericalcarine gyrus	-0.066	5.530	0.276	0.928	285
Left paracentral lobule	-0.062	4.445	0.308	0.928	286
Right middle temporal gyrus	-0.056	8.972	0.361	0.928	277
Left inferior parietal cortex	-0.052	13.501	0.410	0.928	269
Left cuneus	-0.051	4.758	0.400	0.928	285
Right posterior cingulate cortex	-0.048	3.937	0.430	0.928	285
Right inferior temporal cortex gyrus	-0.041	10.124	0.506	0.928	278
Left medial orbitofrontal cortex	-0.031	5.534	0.611	0.928	284
Right superior parietal cortex	-0.031	14.070	0.608	0.928	284
Right precentral gyrus	-0.027	10.488	0.654	0.928	280
Right insula	-0.026	5.504	0.675	0.928	276
Left fusiform gyrus	-0.024	9.235	0.694	0.928	286
Right paracentral lobule	-0.022	5.424	0.715	0.928	286
Right precuneus	-0.021	10.771	0.728	0.928	282
Right lateral occipital cortex	-0.020	13.054	0.737	0.928	286
Left rostral middle frontal gyrus	-0.012	15.135	0.846	0.949	288
Left lateral occipital cortex	-0.012	12.436	0.841	0.949	286
Right entorhinal cortex	-0.010	2.044	0.880	0.949	241
Right pars triangularis	-0.010	5.532	0.864	0.949	286
Left supramarginal gyrus	-0.008	13.137	0.895	0.949	266

Right lateral orbitofrontal cortex	-0.007	7.154	0.904	0.949	289
Right caudal anterior cingulate cortex	-0.005	3.432	0.935	0.963	284
Left lingual gyrus	-0.003	9.448	0.964	0.972	286
Right pericalcarine gyrus	-0.002	5.671	0.972	0.972	287
Right frontal pole	0.007	1.094	0.907	0.949	289
Right supramarginal gyrus	0.008	12.329	0.895	0.949	274
Left middle temporal gyrus	0.011	7.886	0.862	0.949	272
Right temporal pole	0.016	1.516	0.797	0.949	285
Left precuneus	0.017	10.181	0.773	0.949	285
Left pars orbitalis	0.020	1.975	0.736	0.928	288
Right cuneus	0.022	5.015	0.712	0.928	286
Right caudal middle frontal gyrus	0.023	8.559	0.700	0.928	284
Right surface area	0.023	131.796	0.701	1.000	289
Right postcentral gyrus	0.024	10.446	0.695	0.928	278
Right parahippocampal gyrus	0.025	2.574	0.681	0.928	285
Left postcentral gyrus	0.025	10.164	0.687	0.928	275
Left pars triangularis	0.026	4.606	0.671	0.928	285
Left surface area	0.028	127.908	0.644	1.000	289
Right pars orbitalis	0.029	2.406	0.632	0.928	286
Right inferior parietal cortex	0.029	15.646	0.642	0.928	275
Right medial orbitofrontal cortex	0.031	4.815	0.608	0.928	283
Left parahippocampal gyrus	0.033	2.488	0.588	0.928	285
Right lingual gyrus	0.038	9.170	0.528	0.928	288
Right rostral middle frontal gyrus	0.040	16.066	0.508	0.928	286
Left superior frontal gyrus	0.041	15.658	0.499	0.928	280
Right fusiform gyrus	0.042	8.577	0.486	0.928	284
Right isthmus cingulate cortex	0.042	3.630	0.494	0.928	284
Left insula	0.044	5.632	0.473	0.928	280
Left rostral anterior cingulate cortex	0.044	3.798	0.478	0.928	278

Right banks superior temporal sulcus	0.045	3.553	0.472	0.928	267
Left isthmus cingulate cortex	0.050	4.018	0.414	0.928	284
Left lateral orbitofrontal cortex	0.051	7.306	0.397	0.928	288
Left caudal middle frontal gyrus	0.052	8.463	0.388	0.928	288
Left pars opercularis	0.052	6.332	0.396	0.928	282
Left superior parietal cortex	0.056	14.535	0.355	0.928	285
Right superior temporal gyrus	0.057	8.914	0.360	0.928	272
Left banks superior temporal sulcus	0.058	4.197	0.373	0.928	253
Left temporal pole	0.060	1.654	0.321	0.928	284
Left transverse temporal cortex	0.065	1.788	0.277	0.928	289
Right superior frontal gyrus	0.072	17.572	0.238	0.928	279
Left entorhinal cortex	0.078	1.836	0.220	0.928	260
Right transverse temporal cortex	0.088	1.561	0.145	0.928	288
Right pars opercularis	0.093	5.217	0.127	0.928	283
Left frontal pole	0.111	0.920	0.067	0.928	287
Left superior temporal gyrus	0.138	9.813	0.028	0.928	264

**TABLE S25a:** Full mega-analytic results for the association between illness duration and the cortical thickness of each structure in adult OCD patients, controlling for age, sex and scan center. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r<sup>a</sup> (Dur)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
Right entorhinal cortex	-0.080	0.002	0.005	0.335	1265
Left lateral orbitofrontal cortex	-0.056	0.001	0.038	0.577	1416
Left rostral middle frontal gyrus	-0.049	<0.001	0.066	0.577	1408
Right rostral middle frontal gyrus	-0.044	<0.001	0.105	0.668	1415
Left entorhinal cortex	-0.034	0.001	0.227	0.917	1308
Right superior frontal gyrus	-0.031	0.001	0.244	0.917	1400
Right lateral orbitofrontal cortex	-0.025	0.001	0.355	0.917	1419
Left lateral occipital cortex	-0.023	0.001	0.399	0.917	1404
Right frontal pole	-0.023	0.001	0.391	0.917	1417
Left rostral anterior cingulate cortex	-0.019	0.001	0.482	0.917	1395
Left superior frontal gyrus	-0.017	0.001	0.537	0.917	1368
Right lateral occipital cortex	-0.016	0.001	0.558	0.917	1404
Right isthmus cingulate cortex	-0.016	0.001	0.543	0.917	1419
Right inferior temporal cortex gyrus	-0.012	0.001	0.662	0.917	1410
Left isthmus cingulate cortex	-0.011	0.001	0.670	0.917	1414
Left transverse temporal cortex	-0.008	0.001	0.763	0.958	1415
Right insula	-0.007	0.001	0.787	0.958	1385
Left frontal pole	-0.006	0.001	0.833	0.958	1414
Right pars triangularis	-0.005	0.001	0.856	0.958	1393
Left medial orbitofrontal cortex	-0.005	0.001	0.841	0.958	1412
Right medial orbitofrontal cortex	-0.004	0.001	0.876	0.958	1409
Left temporal pole	-0.003	0.001	0.919	0.975	1415
Left insula	-0.002	0.001	0.940	0.975	1395
Right temporal pole	-0.002	0.001	0.933	0.975	1394
Right cuneus	<0.001	0.001	0.990	0.990	1386

Left caudal middle frontal gyrus	<0.001	0.001	0.989	0.990	1401
Left pars orbitalis	0.002	0.001	0.947	0.975	1413
Left inferior temporal cortex gyrus	0.004	0.001	0.869	0.958	1393
Left superior parietal cortex	0.005	<0.001	0.852	0.958	1394
Left cortical thickness	0.007	<0.001	0.780	0.958	1420
Right superior parietal cortex	0.007	<0.001	0.799	0.958	1390
Right cortical thickness	0.008	<0.001	0.753	0.958	1417
Right paracentral lobule	0.008	0.001	0.758	0.958	1415
Right pars opercularis	0.011	0.001	0.673	0.917	1400
Left pars triangularis	0.011	0.001	0.679	0.917	1414
Right pericalcarine gyrus	0.011	<0.001	0.681	0.917	1399
Left cuneus	0.012	<0.001	0.649	0.917	1388
Right precuneus	0.012	0.001	0.652	0.917	1413
Left lingual gyrus	0.013	<0.001	0.633	0.917	1412
Right caudal middle frontal gyrus	0.013	0.001	0.637	0.917	1408
Right fusiform gyrus	0.014	0.001	0.596	0.917	1392
Right caudal anterior cingulate cortex	0.014	0.001	0.596	0.917	1404
Right posterior cingulate cortex	0.015	0.001	0.574	0.917	1414
Left parahippocampal gyrus	0.015	0.001	0.588	0.917	1411
Left banks superior temporal sulcus	0.016	0.001	0.577	0.917	1292
Right supramarginal gyrus	0.016	0.001	0.573	0.917	1323
Left pars opercularis	0.016	0.001	0.563	0.917	1413
Right lingual gyrus	0.017	<0.001	0.519	0.917	1414
Right parahippocampal gyrus	0.017	0.001	0.539	0.917	1412
Left superior temporal gyrus	0.019	0.001	0.495	0.917	1259
Right inferior parietal cortex	0.019	0.001	0.478	0.917	1377
Right rostral anterior cingulate cortex	0.020	0.001	0.448	0.917	1397
Left caudal anterior cingulate cortex	0.021	0.001	0.447	0.917	1395
Right pars orbitalis	0.022	0.001	0.404	0.917	1417

Right middle temporal gyrus	0.024	0.001	0.375	0.917	1389
Left inferior parietal cortex	0.024	0.001	0.388	0.917	1359
Left fusiform gyrus	0.025	0.001	0.346	0.917	1411
Left middle temporal gyrus	0.025	0.001	0.368	0.917	1302
Left paracentral lobule	0.025	0.001	0.352	0.917	1412
Left postcentral gyrus	0.027	<0.001	0.316	0.917	1389
Left pericalcarine gyrus	0.028	<0.001	0.296	0.917	1404
Right precentral gyrus	0.037	0.001	0.169	0.912	1379
Left posterior cingulate cortex	0.042	0.001	0.121	0.705	1414
Left supramarginal gyrus	0.048	0.001	0.089	0.624	1299
Left precuneus	0.048	<0.001	0.076	0.592	1416
Left precentral gyrus	0.050	0.001	0.063	0.577	1394
Right superior temporal gyrus	0.053	0.001	0.058	0.577	1305
Right banks superior temporal sulcus	0.055	0.001	0.047	0.577	1324
Right transverse temporal cortex	0.058	0.001	0.031	0.577	1418
Right postcentral gyrus	0.061	<0.001	0.024	0.577	1397

**TABLE S25b:** Full mega-analytic results for the association between illness duration and the surface area of each structure in adult OCD patients, controlling for age, sex, scan center and ICV. Correlation coefficient Pearsons r is reported.

	Pearson's r (Dur)	Standard Error	P-value	FDR P-value	N patients
Right pericalcarine gyrus	-0.041	0.771	0.620	0.753	1398
Right cuneus	-0.031	0.654	0.564	0.725	1385
Right temporal pole	-0.027	0.210	0.302	0.541	1393
Left posterior cingulate cortex	-0.026	0.531	0.421	0.665	1413
Left pericalcarine gyrus	-0.020	0.720	0.938	0.966	1403
Right inferior temporal cortex gyrus	-0.019	1.376	0.922	0.964	1409
Right transverse temporal gyrus	-0.014	0.187	0.828	0.908	1417
Right supramarginal gyrus	-0.014	1.601	0.789	0.897	1322
Left rostral anterior cingulate cortex	-0.014	0.464	0.880	0.935	1394
Left supramarginal gyrus	-0.003	1.680	0.768	0.897	1298
Left superior parietal cortex	-0.002	1.898	1.000	1.000	1393
Left cuneus	-0.001	0.652	0.576	0.725	1387
Left parahippocampal gyrus	-0.001	0.353	0.841	0.908	1410
Left temporal pole	0.001	0.207	0.960	0.975	1414
Right pars orbitalis	0.001	0.323	0.805	0.897	1416
Right inferior parietal cortex	0.002	2.135	0.569	0.725	1376
Left caudal anterior cingulate cortex	0.003	0.454	0.802	0.897	1394
Right rostral anterior cingulate cortex	0.004	0.433	0.657	0.783	1397
Left transverse temporal gyrus	0.006	0.255	0.550	0.725	1414
Left inferior parietal cortex	0.008	1.923	0.396	0.641	1358
Left fusiform gyrus	0.008	1.270	0.532	0.725	1410
Left middle temporal gyrus	0.009	1.175	0.382	0.634	1301
Left precuneus	0.009	1.267	0.478	0.717	1415
Right lingual gyrus	0.010	1.252	0.248	0.528	1413



Right parahippocampal gyrus	0.012	0.327	0.496	0.717	1411
Right precuneus	0.013	1.368	0.511	0.724	1412
Left entorhinal cortex	0.014	0.271	0.596	0.737	1308
Left precentral gyrus	0.018	1.503	0.457	0.707	1393
Right posterior cingulate cortex	0.018	0.584	0.367	0.634	1413
Left lingual gyrus	0.019	1.274	0.146	0.453	1411
Right fusiform gyrus	0.020	1.204	0.285	0.538	1391
Right paracentral lobule	0.021	0.695	0.575	0.725	1414
Left inferior temporal cortex gyrus	0.021	1.404	0.199	0.488	1392
Left pars triangularis	0.022	0.635	0.264	0.528	1413
Right medial orbitofrontal cortex	0.022	0.602	0.197	0.488	1409
Left banks superior temporal sulcus	0.022	0.563	0.258	0.528	1291
Right superior parietal cortex	0.024	1.813	0.302	0.541	1389
Right lateral occipital cortex	0.024	1.736	0.277	0.538	1403
Right isthmus cingulate cortex	0.026	0.496	0.381	0.634	1418
Left pars orbitalis	0.027	0.257	0.264	0.528	1412
Right frontal pole	0.027	0.153	0.492	0.717	1416
Right middle temporal gyrus	0.028	1.150	0.073	0.332	1389
Left rostral middle frontal gyrus	0.030	2.001	0.110	0.414	1407
Left lateral orbitofrontal cortex	0.032	0.830	0.124	0.421	1415
Left medial orbitofrontal cortex	0.033	0.722	0.162	0.470	1411
Right lateral orbitofrontal cortex	0.033	0.901	0.184	0.488	1418
Right rostral middle frontal gyrus	0.033	2.016	0.086	0.365	1414
Left superior frontal gyrus	0.034	2.178	0.262	0.528	1367
Right banks superior temporal sulcus	0.034	0.460	0.053	0.332	1323
Left isthmus cingulate cortex	0.034	0.548	0.250	0.528	1413
Right insula	0.035	0.758	0.048	0.332	1384
Left insula	0.036	0.699	0.062	0.332	1394
Right pars opercularis	0.037	0.765	0.137	0.443	1400

<b>Left lateral occipital cortex</b>	0.037	1.648	0.121	0.421	1403
<b>Right pars triangularis</b>	0.038	0.794	0.073	0.332	1392
<b>Right entorhinal cortex</b>	0.038	0.315	0.201	0.488	1264
<b>Left surface area</b>	0.041	16.729	0.028	1.000	1419
<b>Right caudal anterior cingulate cortex</b>	0.043	0.501	0.066	0.332	1403
<b>Right precentral gyrus</b>	0.043	1.642	0.109	0.414	1378
<b>Right surface area</b>	0.045	16.917	0.021	1.000	1417
<b>Right postcentral gyrus</b>	0.047	1.348	0.059	0.332	1396
<b>Left pars opercularis</b>	0.048	0.864	0.033	0.332	1412
<b>Left superiortempora gyrus</b>	0.048	1.289	0.048	0.332	1258
<b>Left paracentral lobule</b>	0.048	0.572	0.166	0.470	1411
<b>Right caudal middle frontal gyrus</b>	0.051	1.181	0.061	0.332	1407
<b>Left postcentral gyrus</b>	0.055	1.434	0.024	0.332	1388
<b>Right superiortempora gyrus</b>	0.058	1.110	0.014	0.332	1304
<b>Right superior frontal gyrus</b>	0.059	2.143	0.045	0.332	1399
<b>Left frontal pole</b>	0.076	0.118	0.016	0.332	1413
<b>Left caudal middle frontal gyrus</b>	0.079	1.163	0.003	0.184	1400

**TABLE S26a:** Full mega-analytic results for the association between illness duration and the cortical thickness of each structure in pediatric OCD patients, controlling for age, sex and scan center. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (Dur)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
Left precentral gyrus	-0.045	0.004	0.456	0.622	281
Right precentral gyrus	-0.032	0.004	0.604	0.742	280
Left caudal middle frontal gyrus	-0.027	0.005	0.655	0.764	288
Left caudal anterior cingulate cortex	-0.019	0.008	0.750	0.808	282
Left posterior cingulate cortex	-0.007	0.005	0.906	0.941	288
Right pericalcarine gyrus	-0.004	0.004	0.943	0.956	287
Right rostral anterior cingulate cortex	-0.001	0.007	0.983	0.983	281
Left entorhinal cortex	0.007	0.009	0.914	0.941	260
Right entorhinal cortex	0.011	0.010	0.863	0.915	241
Left temporal pole	0.020	0.012	0.736	0.805	284
Left pars orbitalis	0.020	0.007	0.735	0.805	288
Left isthmus cingulate cortex	0.024	0.006	0.698	0.788	284
Left superior frontal gyrus	0.025	0.005	0.688	0.788	280
Right isthmus cingulate cortex	0.029	0.006	0.637	0.755	284
Right lingual gyrus	0.030	0.003	0.618	0.746	288
Right superior parietal cortex	0.032	0.004	0.597	0.742	284
Left parahippocampal gyrus	0.035	0.008	0.569	0.724	285
Right paracentral lobule	0.039	0.004	0.521	0.676	286
Right superior frontal gyrus	0.040	0.005	0.511	0.674	279
Left paracentral lobule	0.044	0.005	0.462	0.622	286
Right medial orbitofrontal cortex	0.046	0.005	0.446	0.622	283
Right caudal anterior cingulate cortex	0.046	0.007	0.452	0.622	284
Left rostral anterior cingulate cortex	0.048	0.008	0.435	0.622	278
Right transverse temporal cortex	0.049	0.006	0.414	0.616	288
Left pericalcarine gyrus	0.053	0.004	0.382	0.581	285

Right superior temporal gyrus	0.055	0.005	0.379	0.581	272
Right posterior cingulate cortex	0.056	0.004	0.352	0.560	285
Left rostral middle frontal gyrus	0.058	0.004	0.331	0.548	288
Right precuneus	0.059	0.004	0.336	0.548	282
Right frontal pole	0.062	0.009	0.301	0.527	289
Left medial orbitofrontal cortex	0.062	0.005	0.309	0.528	284
Left pars triangularis	0.069	0.005	0.255	0.459	285
Right temporal pole	0.070	0.011	0.249	0.459	285
Left lateral occipital cortex	0.072	0.003	0.234	0.445	286
Right banks superior temporal sulcus	0.074	0.005	0.235	0.445	267
Right lateral orbitofrontal cortex	0.074	0.004	0.220	0.439	289
Right parahippocampal gyrus	0.075	0.007	0.213	0.438	285
Left superior parietal cortex	0.077	0.004	0.206	0.436	285
Right rostral middle frontal gyrus	0.077	0.004	0.205	0.436	286
Right caudal middle frontal gyrus	0.082	0.005	0.175	0.408	284
Left insula	0.082	0.004	0.181	0.409	280
Left pars opercularis	0.083	0.004	0.171	0.408	282
Left frontal pole	0.085	0.010	0.160	0.408	287
Right supramarginal gyrus	0.085	0.004	0.170	0.408	274
Right fusiform gyrus	0.086	0.004	0.158	0.408	284
Right insula	0.086	0.005	0.164	0.408	276
Left precuneus	0.088	0.004	0.144	0.408	285
Right pars orbitalis	0.088	0.006	0.144	0.408	286
Right postcentral gyrus	0.091	0.003	0.138	0.408	278
Left lingual gyrus	0.092	0.003	0.127	0.408	286
Left supramarginal gyrus	0.094	0.004	0.135	0.408	266
Right middle temporal gyrus	0.101	0.005	0.100	0.369	277
Left superior temporal gyrus	0.103	0.005	0.100	0.369	264
Right pars triangularis	0.104	0.005	0.084	0.359	286

Left cuneus	0.109	0.003	0.070	0.328	285
Left banks superior temporal sulcus	0.110	0.005	0.087	0.359	253
Left cortical thickness	0.116	0.003	0.053	0.304	289
Left inferior parietal cortex	0.117	0.004	0.061	0.304	269
Left postcentral gyrus	0.117	0.003	0.058	0.304	275
Left lateral orbitofrontal cortex	0.120	0.005	0.045	0.292	288
Right cortical thickness	0.120	0.003	0.046	0.292	289
Right inferior parietal cortex	0.126	0.004	0.041	0.292	275
Right cuneus	0.126	0.004	0.037	0.292	286
Right pars opercularis	0.134	0.005	0.027	0.271	283
Left inferior temporal cortex gyrus	0.136	0.005	0.026	0.271	280
Left middle temporal gyrus	0.143	0.005	0.020	0.271	272
Right inferior temporal cortex gyrus	0.150	0.005	0.014	0.247	278
Right lateral occipital cortex	0.153	0.003	0.011	0.247	286
Left fusiform gyrus	0.156	0.004	0.009	0.247	286
Left transverse temporal cortex	0.170	0.006	0.004	0.247	289

**TABLE S26b:** Full mega-analytic results for the association between illness duration and the surface area of each structure in pediatric OCD patients, controlling for age, sex, scan center and ICV. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (Dur)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
Left superior temporal gyrus	-0.130	9.875	0.038	0.940	264
Left frontal pole	-0.107	0.924	0.075	0.940	287
Right pars opercularis	-0.093	5.241	0.126	0.940	283
Right transverse temporal cortex	-0.087	1.569	0.149	0.940	288
Left entorhinal cortex	-0.076	1.845	0.233	0.940	260
Right superior frontal gyrus	-0.068	17.666	0.265	0.940	279
Left temporal pole	-0.064	1.662	0.296	0.940	284
Left transverse temporal cortex	-0.064	1.797	0.290	0.940	289
Left banks superior temporal sulcus	-0.055	4.220	0.391	0.940	253
Left lateral orbitofrontal cortex	-0.053	7.340	0.381	0.940	288
Left isthmus cingulate cortex	-0.053	4.037	0.383	0.940	284
Left superior parietal cortex	-0.050	14.614	0.413	0.940	285
Left caudal middle frontal gyrus	-0.049	8.505	0.418	0.940	288
Right superior temporal gyrus	-0.048	8.972	0.438	0.940	272
Left rostral anterior cingulate cortex	-0.047	3.818	0.448	0.940	278
Right banks superior temporal sulcus	-0.047	3.573	0.453	0.940	267
Left pars opercularis	-0.045	6.367	0.458	0.940	282
Left insula	-0.043	5.660	0.484	0.940	280
Left superior frontal gyrus	-0.041	15.736	0.507	0.940	280
Right fusiform gyrus	-0.041	8.618	0.496	0.940	284
Right isthmus cingulate cortex	-0.039	3.649	0.516	0.940	284
Right lingual gyrus	-0.037	9.215	0.541	0.940	288
Right rostral middle frontal gyrus	-0.034	16.143	0.573	0.940	286
Right medial orbitofrontal cortex	-0.029	4.840	0.632	0.940	283
Right pars orbitalis	-0.028	2.418	0.645	0.940	286

Right inferior parietal cortex	-0.028	15.723	0.645	0.940	275
Left parahippocampal gyrus	-0.027	2.500	0.660	0.940	285
Left postcentral gyrus	-0.027	10.210	0.660	0.940	275
Right caudal middle frontal gyrus	-0.026	8.597	0.675	0.940	284
Right postcentral gyrus	-0.026	10.494	0.674	0.940	278
Left surface area	-0.026	128.528	0.666	1.000	289
Left pars triangularis	-0.026	4.628	0.663	0.940	285
Right parahippocampal gyrus	-0.024	2.586	0.694	0.940	285
Left pars orbitalis	-0.022	1.984	0.710	0.940	288
Right surface area	-0.020	132.438	0.746	1.000	289
Right cuneus	-0.018	5.040	0.770	0.940	286
Right temporal pole	-0.017	1.523	0.782	0.940	285
Left precuneus	-0.017	10.230	0.774	0.940	285
Left middle temporal gyrus	-0.011	7.922	0.858	0.940	272
Right frontal pole	-0.010	1.099	0.862	0.940	289
Right supramarginal gyrus	-0.008	12.389	0.891	0.940	274
Right caudal anterior cingulate cortex	0.004	3.449	0.947	0.947	284
Left lingual gyrus	0.006	9.492	0.919	0.940	286
Left supramarginal gyrus	0.006	13.202	0.927	0.940	266
Right pericalcarine gyrus	0.008	5.699	0.899	0.940	287
Right entorhinal cortex	0.009	2.056	0.895	0.940	241
Right lateral orbitofrontal cortex	0.011	7.188	0.854	0.940	289
Right pars triangularis	0.012	5.559	0.847	0.940	286
Left lateral occipital cortex	0.014	12.495	0.817	0.940	286
Left rostral middle frontal gyrus	0.014	15.213	0.820	0.940	288
Right precuneus	0.020	10.827	0.745	0.940	282
Left fusiform gyrus	0.021	9.280	0.729	0.940	286
Right paracentral lobule	0.021	5.451	0.731	0.940	286
Right lateral occipital cortex	0.024	13.117	0.695	0.940	286

Right insula	0.026	5.532	0.668	0.940	276
Left medial orbitofrontal cortex	0.029	5.563	0.630	0.940	284
Right precentral gyrus	0.029	10.536	0.637	0.940	280
Right superior parietal cortex	0.032	14.140	0.595	0.940	284
Right inferior temporal cortex gyrus	0.042	10.170	0.491	0.940	278
Left inferior parietal cortex	0.048	13.568	0.439	0.940	269
Right posterior cingulate cortex	0.048	3.956	0.427	0.940	285
Right middle temporal gyrus	0.053	9.015	0.392	0.940	277
Left cuneus	0.055	4.779	0.361	0.940	285
Left paracentral lobule	0.057	4.467	0.343	0.940	286
Left pericalcarine gyrus	0.071	5.554	0.239	0.940	285
Left inferior temporal cortex gyrus	0.074	10.281	0.228	0.940	280
Left posterior cingulate cortex	0.077	4.230	0.201	0.940	288
Left precentral gyrus	0.084	10.663	0.167	0.940	281
Left caudal anterior cingulate cortex	0.094	3.475	0.122	0.940	282
Right rostral anterior cingulate cortex	0.110	3.408	0.072	0.940	281



**TABLE S27a:** Full mega-analytic results for the association between illness severity and the cortical thickness of each structure in adult OCD patients based on the YBOCS, controlling for age, sex and scan center. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (YBOCS)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
Right pericalcarine gyrus	-0.061	0.001	0.023	0.899	1433
Right parahippocampal gyrus	-0.059	0.001	0.027	0.899	1443
Left postcentral gyrus	-0.053	<0.001	0.047	0.899	1421
Left pericalcarine gyrus	-0.043	0.001	0.106	0.899	1437
Right transverse temporal cortex	-0.042	0.001	0.117	0.899	1451
Left parahippocampal gyrus	-0.039	0.001	0.137	0.899	1446
Right postcentral gyrus	-0.037	0.001	0.166	0.899	1429
Left frontal pole	-0.034	0.001	0.200	0.899	1445
Left lingual gyrus	-0.031	0.001	0.238	0.899	1445
Left supramarginal gyrus	-0.029	0.001	0.304	0.899	1326
Left caudal middle frontal gyrus	-0.029	0.001	0.273	0.899	1433
Left inferior parietal cortex	-0.028	0.001	0.304	0.899	1392
Left cuneus	-0.028	0.001	0.299	0.899	1420
Right frontal pole	-0.026	0.001	0.323	0.899	1450
Right banks superior temporal sulcus	-0.026	0.001	0.338	0.899	1351
Right precuneus	-0.025	0.001	0.354	0.899	1446
Left transverse temporal cortex	-0.025	0.001	0.348	0.899	1448
Left paracentral lobule	-0.024	0.001	0.359	0.899	1445
Left middle temporal gyrus	-0.023	0.001	0.414	0.939	1330
Left insula	-0.023	0.001	0.384	0.928	1427
Right cuneus	-0.019	0.001	0.476	0.939	1419
Right lateral occipital cortex	-0.017	0.001	0.519	0.939	1434
Left cortical thickness	-0.014	<0.001	0.610	0.939	1453
Left superior temporal gyrus	-0.013	0.001	0.633	0.939	1295
Left precuneus	-0.011	0.001	0.683	0.939	1448

Left posterior cingulate cortex	-0.010	0.001	0.701	0.939	1448
Right pars triangularis	-0.009	0.001	0.730	0.939	1420
Right insula	-0.009	0.001	0.724	0.939	1418
Right paracentral lobule	-0.009	0.001	0.721	0.939	1449
Left medial orbitofrontal cortex	-0.008	0.001	0.771	0.939	1445
Right superior temporal gyrus	-0.008	0.001	0.763	0.939	1338
Left lateral occipital cortex	-0.007	0.001	0.787	0.939	1435
Left rostral middle frontal gyrus	-0.006	0.001	0.831	0.939	1440
Right supramarginal gyrus	-0.006	0.001	0.819	0.939	1350
Right precentral gyrus	-0.005	0.001	0.859	0.939	1412
Left pars triangularis	-0.005	0.001	0.855	0.939	1446
Left entorhinal cortex	-0.004	0.002	0.890	0.952	1340
Right lingual gyrus	-0.003	0.001	0.924	0.952	1447
Left pars opercularis	-0.002	0.001	0.925	0.952	1445
Right cortical thickness	0.001	<0.001	0.978	0.978	1448
Left superior frontal gyrus	0.002	0.001	0.943	0.957	1398
Left precentral gyrus	0.003	0.001	0.912	0.952	1427
Right fusiform gyrus	0.005	0.001	0.839	0.939	1419
Left superior parietal cortex	0.005	<0.001	0.854	0.939	1424
Right superior parietal cortex	0.006	0.001	0.814	0.939	1424
Left isthmus cingulate cortex	0.007	0.001	0.787	0.939	1447
Right inferior parietal cortex	0.008	0.001	0.758	0.939	1410
Right pars opercularis	0.008	0.001	0.777	0.939	1434
Left pars orbitalis	0.009	0.001	0.725	0.939	1444
Right posterior cingulate cortex	0.009	0.001	0.729	0.939	1449
Right superior frontal gyrus	0.010	0.001	0.701	0.939	1437
Right rostral middle frontal gyrus	0.011	0.001	0.692	0.939	1448
Left caudal anterior cingulate cortex	0.012	0.001	0.651	0.939	1430
Left temporal pole	0.013	0.001	0.632	0.939	1448

Right isthmus cingulate cortex	0.016	0.001	0.552	0.939	1451
Right middle temporal gyrus	0.017	0.001	0.519	0.939	1425
Left fusiform gyrus	0.018	0.001	0.491	0.939	1443
Right rostral anterior cingulate cortex	0.019	0.001	0.473	0.939	1431
Left inferior temporal cortex gyrus	0.019	0.001	0.478	0.939	1425
Right temporal pole	0.020	0.002	0.450	0.939	1421
Right medial orbitofrontal cortex	0.027	0.001	0.318	0.899	1442
Right caudal anterior cingulate cortex	0.028	0.001	0.290	0.899	1441
Left banks superior temporal sulcus	0.028	0.001	0.316	0.899	1323
Left lateral orbitofrontal cortex	0.030	0.001	0.251	0.899	1449
Right caudal middle frontal gyrus	0.031	0.001	0.244	0.899	1440
Right inferior temporal cortex gyrus	0.031	0.001	0.246	0.899	1443
Right pars orbitalis	0.032	0.001	0.233	0.899	1450
Right lateral orbitofrontal cortex	0.037	0.001	0.167	0.899	1452
Right entorhinal cortex	0.044	0.002	0.116	0.899	1297
Left rostral anterior cingulate cortex	0.049	0.001	0.069	0.899	1429

**TABLE S27b:** Full mega-analytic results for the association between illness severity and the surface area of each structure in adult OCD patients based on the YBOCS, controlling for age, sex, scan center and ICV. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (YBOCS)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
<b>Left pars orbitalis</b>	-0.093	0.297	0.001	0.096	1443
<b>Left paracentral lobule</b>	-0.079	0.665	0.005	0.114	1444
<b>Right rostral anterior cingulate cortex</b>	-0.075	0.494	0.005	0.114	1431
<b>Right lateral orbitofrontal cortex</b>	-0.070	1.032	0.010	0.173	1451
<b>Left lateral orbitofrontal cortex</b>	-0.068	0.951	0.016	0.198	1448
<b>Left posterior cingulate cortex</b>	-0.063	0.616	0.022	0.198	1447
<b>Right caudal middle frontal gyrus</b>	-0.062	1.346	0.021	0.198	1439
<b>Left rostral anterior cingulate cortex</b>	-0.060	0.539	0.023	0.198	1428
<b>Right inferior parietal cortex</b>	-0.060	2.455	0.029	0.204	1409
<b>Left middle temporal gyrus</b>	-0.058	1.390	0.033	0.204	1329
<b>Left superiortempora gyrus</b>	-0.058	1.508	0.032	0.204	1294
<b>Right surface area</b>	-0.057	20.062	0.034	1.000	1450
<b>Right caudal anterior cingulate cortex</b>	-0.057	0.571	0.042	0.221	1440
<b>Right paracentral lobule</b>	-0.054	0.793	0.058	0.221	1448
<b>Right posterior cingulate cortex</b>	-0.054	0.663	0.050	0.221	1448
<b>Right medial orbitofrontal cortex</b>	-0.053	0.700	0.050	0.221	1442
<b>Left precentral gyrus</b>	-0.052	1.715	0.056	0.221	1426
<b>Left surface area</b>	-0.052	20.003	0.054	1.000	1452
<b>Left superior frontal gyrus</b>	-0.049	2.500	0.077	0.276	1397
<b>Left rostral middle frontal gyrus</b>	-0.047	2.315	0.054	0.221	1439
<b>Left banks superior temporal sulcus</b>	-0.047	0.653	0.084	0.286	1322
<b>Right rostral middle frontal gyrus</b>	-0.046	2.331	0.056	0.221	1447
<b>Right isthmus cingulate cortex</b>	-0.045	0.564	0.106	0.344	1450
<b>Right superior frontal gyrus</b>	-0.042	2.479	0.117	0.361	1436
<b>Left lateral occipital cortex</b>	-0.041	1.879	0.144	0.391	1434

Left medial orbitofrontal cortex	-0.040	0.825	0.122	0.362	1444
Right pars opercularis	-0.039	0.872	0.132	0.374	1434
Right insula	-0.036	0.899	0.163	0.428	1417
Right superior temporal gyrus	-0.036	1.302	0.178	0.447	1337
Left temporal pole	-0.034	0.236	0.234	0.549	1447
Left caudal middle frontal gyrus	-0.033	1.347	0.202	0.491	1432
Left isthmus cingulate cortex	-0.033	0.627	0.266	0.567	1446
Right cuneus	-0.032	0.761	0.267	0.567	1418
Right pars orbitalis	-0.028	0.369	0.278	0.572	1449
Right middle temporal gyrus	-0.028	1.363	0.263	0.567	1425
Right superior parietal cortex	-0.027	2.101	0.302	0.604	1423
Left caudal anterior cingulate cortex	-0.027	0.514	0.318	0.619	1429
Left frontal pole	-0.027	0.137	0.364	0.652	1444
Right frontal pole	-0.025	0.176	0.350	0.644	1449
Right precentral gyrus	-0.024	1.855	0.445	0.703	1411
Right entorhinal cortex	-0.024	0.361	0.380	0.663	1296
Right banks superior temporal sulcus	-0.022	0.538	0.338	0.639	1350
Right inferior temporal cortex gyrus	-0.020	1.585	0.437	0.703	1442
Right precuneus	-0.020	1.590	0.546	0.814	1445
Left transverse temporal gyrus	-0.019	0.292	0.507	0.783	1447
Left inferior parietal cortex	-0.018	2.215	0.551	0.814	1391
Left insula	-0.016	0.826	0.588	0.815	1426
Left precuneus	-0.015	1.473	0.677	0.823	1447
Right transverse temporal gyrus	-0.013	0.217	0.663	0.819	1450
Left superior parietal cortex	-0.013	2.159	0.646	0.819	1423
Right postcentral gyrus	-0.011	1.548	0.760	0.890	1428
Left inferior temporal cortex gyrus	-0.011	1.631	0.646	0.819	1424
Right fusiform gyrus	-0.010	1.391	0.724	0.864	1418
Right pars triangularis	-0.009	0.910	0.655	0.819	1419

Right lateral occipital cortex	-0.007	1.971	0.844	0.921	1433
Right pericalcarine gyrus	-0.005	0.929	0.853	0.921	1432
Left supramarginal gyrus	-0.004	1.950	0.896	0.952	1325
Left pars opercularis	-0.001	0.992	0.936	0.979	1444
Left entorhinal cortex	-0.001	0.315	0.954	0.983	1340
Left pars triangularis	0.000	0.726	0.993	0.994	1445
Left lingual gyrus	0.003	1.516	0.994	0.994	1444
Left postcentral gyrus	0.004	1.624	0.785	0.905	1420
Left parahippocampal gyrus	0.004	0.405	0.848	0.921	1445
Right temporal pole	0.007	0.237	0.799	0.906	1420
Left fusiform gyrus	0.012	1.461	0.663	0.819	1442
Right lingual gyrus	0.013	1.492	0.648	0.819	1446
Left cuneus	0.014	0.771	0.577	0.815	1419
Right supramarginal gyrus	0.017	1.851	0.571	0.815	1349
Right parahippocampal gyrus	0.021	0.376	0.417	0.691	1442
Left pericalcarine gyrus	0.025	0.857	0.392	0.666	1436

**TABLE S28a:** Full mega-analytic results for the association between illness severity and the cortical thickness of each structure in pediatric OCD patients based on the CYBOCS, controlling for age, sex and scan center. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (CYBOCS)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
Right caudal anterior cingulate cortex	-0.126	0.002	0.013	0.551	398
Right rostral anterior cingulate cortex	-0.123	0.002	0.016	0.551	395
Right isthmus cingulate cortex	-0.087	0.002	0.087	0.974	396
Right rostral middle frontal gyrus	-0.084	0.001	0.099	0.974	401
Right frontal pole	-0.083	0.003	0.102	0.974	403
Right paracentral lobule	-0.080	0.001	0.116	0.974	400
Left banks superior temporal sulcus	-0.063	0.002	0.236	0.974	367
Left posterior cingulate cortex	-0.062	0.001	0.227	0.974	398
Right pars orbitalis	-0.062	0.002	0.220	0.974	401
Right pars triangularis	-0.055	0.001	0.281	0.974	399
Right parahippocampal gyrus	-0.052	0.002	0.316	0.974	391
Left lateral occipital cortex	-0.050	0.001	0.325	0.974	399
Left paracentral lobule	-0.047	0.001	0.360	0.974	400
Left entorhinal cortex	-0.047	0.003	0.375	0.974	367
Right cuneus	-0.046	0.001	0.373	0.974	398
Right medial orbitofrontal cortex	-0.044	0.002	0.392	0.974	394
Left superior temporal gyrus	-0.043	0.001	0.413	0.974	378
Left fusiform gyrus	-0.043	0.001	0.401	0.974	396
Right superior temporal gyrus	-0.042	0.001	0.417	0.974	385
Left cuneus	-0.041	0.001	0.417	0.974	400
Right lateral occipital cortex	-0.036	0.001	0.486	0.998	398
Left inferior parietal cortex	-0.033	0.001	0.533	0.998	382
Right pars opercularis	-0.032	0.001	0.534	0.998	397
Left parahippocampal gyrus	-0.032	0.002	0.531	0.998	392
Right lateral orbitofrontal cortex	-0.029	0.001	0.572	0.998	402

Left precuneus	-0.024	0.001	0.634	0.998	400
Left postcentral gyrus	-0.023	0.001	0.658	0.998	388
Right transverse temporal cortex	-0.023	0.002	0.647	0.998	403
Left pars opercularis	-0.021	0.001	0.689	0.998	396
Left medial orbitofrontal cortex	-0.021	0.002	0.679	0.998	397
Left caudal anterior cingulate cortex	-0.020	0.002	0.691	0.998	393
Right insula	-0.017	0.001	0.747	0.998	386
Left temporal pole	-0.017	0.003	0.737	0.998	396
Left cortical thickness	-0.017	0.001	0.734	0.998	404
Left superior parietal cortex	-0.016	0.001	0.761	0.998	399
Right cortical thickness	-0.016	0.001	0.747	0.998	404
Left pars triangularis	-0.015	0.001	0.771	0.998	400
Right inferior parietal cortex	-0.015	0.001	0.773	0.998	389
Left supramarginal gyrus	-0.015	0.001	0.774	0.998	380
Right middle temporal gyrus	-0.015	0.001	0.768	0.998	388
Right superior parietal cortex	-0.013	0.001	0.800	0.998	398
Left rostral middle frontal gyrus	-0.008	0.001	0.878	0.998	403
Left pars orbitalis	-0.007	0.002	0.893	0.998	400
Right posterior cingulate cortex	-0.007	0.001	0.888	0.998	397
Right superior frontal gyrus	-0.007	0.001	0.886	0.998	393
Right postcentral gyrus	-0.006	0.001	0.913	0.998	390
Left frontal pole	-0.003	0.003	0.949	0.998	402
Left rostral anterior cingulate cortex	0.001	0.002	0.991	0.998	392
Left middle temporal gyrus	<0.001	0.001	0.998	0.998	386
Left transverse temporal cortex	0.002	0.002	0.970	0.998	401
Right precuneus	0.002	0.001	0.973	0.998	397
Left inferior temporal cortex gyrus	0.002	0.001	0.976	0.998	395
Left lingual gyrus	0.003	0.001	0.951	0.998	400
Left superior frontal gyrus	0.003	0.001	0.953	0.998	394



Left insula	0.003	0.001	0.954	0.998	386
Left pericalcarine gyrus	0.008	0.001	0.883	0.998	399
Left isthmus cingulate cortex	0.015	0.002	0.771	0.998	396
Right lingual gyrus	0.018	0.001	0.724	0.998	403
Right fusiform gyrus	0.030	0.001	0.561	0.998	395
Right supramarginal gyrus	0.041	0.001	0.435	0.983	384
Left lateral orbitofrontal cortex	0.044	0.002	0.386	0.974	403
Right inferior temporal cortex gyrus	0.045	0.001	0.382	0.974	392
Right entorhinal cortex	0.047	0.003	0.389	0.974	346
Right caudal middle frontal gyrus	0.051	0.001	0.323	0.974	396
Right banks superior temporal sulcus	0.055	0.002	0.297	0.974	381
Right precentral gyrus	0.060	0.001	0.247	0.974	392
Left caudal middle frontal gyrus	0.064	0.001	0.205	0.974	402
Left precentral gyrus	0.066	0.001	0.196	0.974	394
Right temporal pole	0.073	0.003	0.156	0.974	395
Right pericalcarine gyrus	0.077	0.001	0.133	0.974	398

**TABLE S28b:** Full mega-analytic results for the association between illness severity and the surface area of each structure in pediatric OCD patients based on the CYBOCS, controlling for age, sex, scan center and ICV. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (CYBOCS)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
Right lateral orbitofrontal cortex	-0.166	2.170	0.001	0.072	401
Right supramarginal gyrus	-0.118	3.555	0.023	0.428	383
Left caudal anterior cingulate cortex	-0.118	1.000	0.021	0.428	392
Right middle temporal gyrus	-0.116	2.743	0.025	0.428	387
Left lateral orbitofrontal cortex	-0.105	2.243	0.039	0.492	402
Left pars orbitalis	-0.100	0.594	0.051	0.492	399
Right transverse temporal cortex	-0.096	0.458	0.060	0.506	402
Left lateral occipital cortex	-0.089	3.818	0.081	0.526	398
Right postcentral gyrus	-0.088	3.141	0.088	0.526	389
Left posterior cingulate cortex	-0.086	1.264	0.092	0.526	397
Right superior temporal gyrus	-0.085	2.540	0.104	0.526	384
Left transverse temporal cortex	-0.084	0.509	0.100	0.526	400
Left superior frontal gyrus	-0.081	4.732	0.116	0.526	393
Right rostral middle frontal gyrus	-0.080	4.973	0.115	0.526	400
Right precentral gyrus	-0.076	3.100	0.141	0.565	391
Left precentral gyrus	-0.071	3.118	0.170	0.579	393
Left rostral anterior cingulate cortex	-0.070	1.140	0.174	0.579	391
Left rostral middle frontal gyrus	-0.069	4.646	0.178	0.579	402
Right surface area	-0.068	40.455	0.184	1.000	403
Right superior frontal gyrus	-0.067	5.282	0.194	0.579	392
Left insula	-0.067	1.617	0.197	0.579	385
Right lateral occipital cortex	-0.067	3.878	0.188	0.579	397
Right medial orbitofrontal cortex	-0.064	1.464	0.213	0.579	393
Right cuneus	-0.064	1.552	0.210	0.579	397
Left superior temporal gyrus	-0.061	2.855	0.247	0.646	377

Right pars opercularis	-0.057	1.597	0.270	0.677	396
Right caudal middle frontal gyrus	-0.056	2.586	0.279	0.677	395
Left medial orbitofrontal cortex	-0.050	1.731	0.333	0.781	396
Right temporal pole	-0.047	0.459	0.362	0.820	394
Left surface area	-0.043	39.773	0.398	1.000	403
Left middle temporal gyrus	-0.041	2.629	0.432	0.886	385
Right insula	-0.040	1.729	0.439	0.886	385
Left banks superior temporal sulcus	-0.038	1.339	0.477	0.886	366
Left entorhinal cortex	-0.038	0.620	0.475	0.886	366
Left isthmus cingulate cortex	-0.036	1.194	0.483	0.886	396
Right lingual gyrus	-0.032	2.924	0.530	0.924	402
Left caudal middle frontal gyrus	-0.027	2.587	0.590	0.969	401
Left lingual gyrus	-0.026	3.016	0.617	0.969	399
Right fusiform gyrus	-0.025	2.630	0.625	0.969	394
Left postcentral gyrus	-0.018	3.156	0.725	0.969	387
Right paracentral lobule	-0.017	1.568	0.735	0.969	399
Left frontal pole	-0.015	0.287	0.775	0.969	401
Left parahippocampal gyrus	-0.014	0.778	0.786	0.969	391
Right pars orbitalis	-0.013	0.736	0.801	0.969	400
Right pars triangularis	-0.011	1.675	0.831	0.974	398
Left paracentral lobule	-0.006	1.271	0.907	0.991	399
Right pericalcarine gyrus	-0.006	1.727	0.901	0.991	397
Right isthmus cingulate cortex	-0.004	1.069	0.932	0.991	395
Right banks superior temporal sulcus	-0.002	1.049	0.971	0.991	380
Left supramarginal gyrus	0.001	3.949	0.983	0.991	379
Right inferior temporal cortex gyrus	0.001	3.110	0.991	0.991	391
Left superior parietal cortex	0.003	4.459	0.947	0.991	398
Left precuneus	0.003	3.091	0.948	0.991	399
Left pericalcarine gyrus	0.003	1.704	0.955	0.991	398

Left inferior temporal cortex gyrus	0.003	3.185	0.960	0.991	394
Right superior parietal cortex	0.012	4.375	0.812	0.969	397
Left inferior parietal cortex	0.013	4.139	0.800	0.969	381
Right rostral anterior cingulate cortex	0.013	0.979	0.801	0.969	394
Right precuneus	0.015	3.215	0.774	0.969	396
Left temporal pole	0.019	0.496	0.712	0.969	395
Left cuneus	0.020	1.469	0.694	0.969	399
Right posterior cingulate cortex	0.020	1.226	0.704	0.969	396
Left fusiform gyrus	0.021	2.794	0.688	0.969	395
Right frontal pole	0.024	0.318	0.641	0.969	402
Right parahippocampal gyrus	0.030	0.805	0.562	0.955	390
Right caudal anterior cingulate cortex	0.035	1.032	0.495	0.886	397
Right inferior parietal cortex	0.037	4.841	0.474	0.886	388
Left pars opercularis	0.038	1.924	0.461	0.886	395
Left pars triangularis	0.076	1.411	0.135	0.565	399
Right entorhinal cortex	0.109	0.603	0.047	0.492	345

**TABLE S29a:** Overview of the effect sizes of the significant results ( $q < 0.05$ ) detected by the adult meta-analysis on cortical thickness controlled for age, sex and scan center.

	Med vs HC		Med vs Unmedicated OCD	
	<i>Cohen's d<sup>a</sup></i>	<i>FDR P-value</i>	<i>Cohen's d<sup>a</sup></i>	<i>FDR P-value</i>
Left banks superior temporal sulcus	-0.156	0.028		
Left caudal anterior cingulate cortex				
Left caudal middle frontal gyrus	-0.221	0.002	-0.273	0.017
Left cuneus				
Left entorhinal cortex				
Left fusiform gyrus				
Left inferior parietal cortex				
Left inferior temporal cortex gyrus	-0.189	0.008		
Left isthmus cingulate cortex				
Left lateral occipital cortex				
Left lateral orbitofrontal cortex	-0.191	0.021		
Left lingual gyrus				
Left medial orbitofrontal cortex	-0.186	0.023		
Left middle temporal gyrus	-0.247	0.006	-0.231	0.039
Left parahippocampal gyrus				
Left paracentral lobule				
Left pars opercularis	-0.200	0.014	-0.221	0.039
Left pars orbitalis				
Left pars triangularis			-0.288	0.016
Left pericalcarine gyrus				
Left postcentral gyrus				
Left posterior cingulate cortex				
Left precentral gyrus			-0.220	0.039
Left precuneus				

Left rostral anterior cingulate cortex				
Left rostral middle frontal gyrus	-0.226	0.015		
Left superior frontal gyrus	-0.246	0.020		
Left superior parietal cortex				
Left superior temporal gyrus			-0.250	0.035
Left supramarginal gyrus			-0.232	0.039
Left frontal pole	-0.146	0.042		
Left temporal pole				
Left transverse temporal cortex				
Left insula				
Left cortical thickness	-0.234	0.028	-0.274	0.035
Right banks superior temporal sulcus				
Right caudal anterior cingulate cortex				
Right caudal middle frontal gyrus	-0.230	0.012	-0.288	0.035
Right cuneus				
Right entorhinal cortex				
Right fusiform gyrus	-0.211	0.014		
Right inferior parietal cortex				
Right inferior temporal cortex gyrus	-0.185	0.008		
Right isthmus cingulate cortex				
Right lateral occipital cortex				
Right lateral orbitofrontal cortex	-0.217	0.006		
Right lingual gyrus				
Right medial orbitofrontal cortex	-0.213	0.035		
Right middle temporal gyrus				
Right parahippocampal gyrus				
Right paracentral lobule				

Right pars opercularis				
Right pars orbitalis				
Right pars triangularis				
Right pericalcarine gyrus				
Right postcentral gyrus				
Right posterior cingulate cortex				
Right precentral gyrus				
Right precuneus				
Right rostral anterior cingulate cortex				
Right rostral middle frontal gyrus				
Right superior frontal gyrus				
Right superior parietal cortex				
Right superior temporal gyrus				
Right supramarginal gyrus				
Right frontal pole				
Right temporal pole				
Right transverse temporal cortex				
Right insula				
Right cortical thickness				

**TABLE S29b:** Overview of the effect sizes of significant results ( $q < 0.05$ ) detected by the adult meta-analysis on surface area controlled for age, sex, scan center and ICV.

	OCD vs HC		Med vs HC		Adult Onset vs HC		NoCurAnx vs HC		CurAnx vs NoCurAnx		NoCurDep vs HC	
	<i>Cohen's d<sup>a</sup></i>	<i>FDR P-value</i>	<i>Cohen's d<sup>a</sup></i>	<i>FDR P-value</i>	<i>Cohen's d<sup>a</sup></i>	<i>FDR P-value</i>	<i>Cohen's d<sup>a</sup></i>	<i>FDR P-value</i>	<i>Cohen's d<sup>a</sup></i>	<i>FDR P-value</i>	<i>Cohen's d<sup>a</sup></i>	<i>FDR P-value</i>
Left banks superior temporal sulcus												
Left caudal anterior cingulate cortex												
Left caudal middle frontal gyrus												
Left cuneus												
Left entorhinal cortex												
Left fusiform gyrus												
Left inferior parietal cortex												
Left inferior temporal cortex gyrus												
Left isthmus cingulate cortex												
Left lateral occipital cortex												
Left lateral orbitofrontal cortex												
Left lingual gyrus												
Left medial orbitofrontal cortex												
Left middle temporal gyrus												
Left parahippocampal gyrus												
Left paracentral lobule												
Left pars opercularis					-0.185	0.011						
Left pars orbitalis												
Left pars triangularis												
Left pericalcarine gyrus												
Left postcentral gyrus												
Left posterior cingulate cortex												
Left precentral gyrus												
Left precuneus												



Left rostral anterior cingulate cortex												
Left rostral middle frontal gyrus												
Left superior frontal gyrus												
Left superior parietal cortex												
Left superior temporal gyrus												
Left supramarginal gyrus												
Left frontal pole												
Left temporal pole												
Left transverse temporal cortex	-0.169	0.001	-0.209	0.006			-0.183	0.019			-0.155	0.013
Left insula												
Left cortical thickness												
Right banks superior temporal sulcus												
Right caudal anterior cingulate cortex												
Right caudal middle frontal gyrus												
Right cuneus									0.365	0.019		
Right entorhinal cortex												
Right fusiform gyrus												
Right inferior parietal cortex												
Right inferior temporal cortex gyrus												
Right isthmus cingulate cortex												
Right lateral occipital cortex												
Right lateral orbitofrontal cortex												
Right lingual gyrus												
Right medial orbitofrontal cortex												
Right middle temporal gyrus												
Right parahippocampal gyrus												
Right paracentral lobule												

Right pars opercularis													
Right pars orbitalis													
Right pars triangularis													
Right pericalcarine gyrus													
Right postcentral gyrus													
Right posterior cingulate cortex													
Right precentral gyrus													
Right precuneus													
Right rostral anterior cingulate cortex													
Right rostral middle frontal gyrus													
Right superior frontal gyrus													
Right superior parietal cortex													
Right superior temporal gyrus													
Right supramarginal gyrus													
Right frontal pole													
Right temporal pole													
Right transverse temporal cortex													
Right insula													
Right surface area													
Full surface area													

**TABLE S30a:** Full meta-analytic results for cortical thickness of each structure for the adult OCD patients compared with adult healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d (OCD vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N Controls</b>	<b>N patients</b>
<b>Left inferior parietal cortex</b>	-0.133	0.053	0.012	0.340	1364	1434
<b>Left middle temporal cortex</b>	-0.132	0.059	0.024	0.358	1320	1367
<b>Right inferior parietal cortex</b>	-0.132	0.046	0.004	0.269	1379	1452
<b>Right middle temporal cortex</b>	-0.109	0.062	0.079	0.396	1402	1467
<b>Right medial orbitofrontal cortex</b>	-0.109	0.045	0.015	0.340	1428	1487
<b>Left rostral middle frontal gyrus</b>	-0.099	0.047	0.036	0.358	1429	1485
<b>Right fusiform gyrus</b>	-0.098	0.054	0.067	0.396	1428	1460
<b>Right lateral orbitofrontal cortex</b>	-0.095	0.045	0.035	0.358	1431	1497
<b>Left cortical thickness</b>	-0.095	0.053	0.074	0.396	1435	1498
<b>Left inferior temporal cortex</b>	-0.094	0.046	0.042	0.369	1383	1470
<b>Left fusiform gyrus</b>	-0.094	0.056	0.091	0.422	1428	1488
<b>Right rostral middle frontal gyrus</b>	-0.091	0.048	0.058	0.396	1424	1493
<b>Left medial orbitofrontal cortex</b>	-0.090	0.046	0.048	0.377	1430	1490
<b>Right precuneus</b>	-0.087	0.057	0.125	0.443	1429	1491
<b>Left rostral anterior cingulate cortex</b>	-0.083	0.038	0.028	0.358	1415	1473
<b>Left precuneus</b>	-0.079	0.054	0.146	0.443	1426	1493
<b>Right paracentral lobule</b>	-0.078	0.055	0.153	0.443	1420	1487
<b>Right cortical thickness</b>	-0.075	0.056	0.185	0.478	1435	1493
<b>Right lateral occipital cortex</b>	-0.073	0.041	0.079	0.396	1421	1479
<b>Left caudal middle frontal gyrus</b>	-0.072	0.045	0.104	0.443	1429	1478
<b>Left lateral orbitofrontal cortex</b>	-0.072	0.050	0.146	0.443	1433	1494
<b>Right caudal middle frontal gyrus</b>	-0.070	0.049	0.155	0.443	1423	1485
<b>Left posterior cingulate cortex</b>	-0.070	0.044	0.108	0.443	1431	1492
<b>Left lateral occipital cortex</b>	-0.065	0.046	0.158	0.443	1419	1480
<b>Left banks superior temporal sulcus</b>	-0.065	0.043	0.133	0.443	1284	1357
<b>Left pars opercularis</b>	-0.064	0.043	0.139	0.443	1427	1489

Left entorhinal cortex	-0.063	0.053	0.230	0.520	1318	1381
Left insula	-0.057	0.046	0.215	0.520	1414	1471
Left superior frontal cortex	-0.056	0.056	0.317	0.594	1413	1437
Right insula	-0.055	0.048	0.253	0.553	1415	1462
Left isthmus cingulate cortex	-0.054	0.051	0.283	0.573	1431	1492
Right inferior temporal cortex	-0.053	0.039	0.169	0.456	1400	1488
Left pars orbitalis	-0.052	0.040	0.191	0.478	1431	1489
Right pars triangularis	-0.050	0.051	0.334	0.594	1423	1462
Right posterior cingulate cortex	-0.050	0.048	0.297	0.578	1427	1492
Right pars orbitalis	-0.046	0.043	0.286	0.573	1431	1495
Right isthmus cingulate cortex	-0.044	0.053	0.406	0.676	1429	1496
Left superior parietal cortex	-0.044	0.061	0.476	0.676	1417	1469
Left parahippocampal gyrus	-0.043	0.046	0.340	0.594	1424	1489
Left supramarginal gyrus	-0.040	0.052	0.444	0.676	1310	1363
Right superior parietal cortex	-0.039	0.055	0.480	0.676	1411	1468
Right pars opercularis	-0.038	0.049	0.428	0.676	1418	1478
Left pars triangularis	-0.036	0.043	0.398	0.676	1434	1491
Left frontal pole	-0.034	0.045	0.453	0.676	1435	1490
Right superior frontal cortex	-0.029	0.056	0.608	0.819	1410	1478
Right transverse temporal cortex	-0.028	0.038	0.460	0.676	1434	1496
Left precentral gyrus	-0.024	0.046	0.592	0.812	1408	1471
Left lingual gyrus	-0.019	0.047	0.685	0.830	1427	1490
Right caudal anterior cingulate cortex	-0.019	0.045	0.675	0.830	1422	1482
Right cuneus	-0.015	0.044	0.735	0.838	1401	1464
Right precentral gyrus	-0.008	0.057	0.885	0.953	1405	1454
Left cuneus	-0.008	0.049	0.879	0.953	1404	1465
Left superior temporal cortex	-0.004	0.049	0.931	0.981	1296	1331
Right banks superior temporal sulcus	-0.004	0.052	0.939	0.981	1321	1390
Right lingual gyrus	-0.002	0.048	0.972	0.986	1433	1492
Left postcentral gyrus	-0.002	0.050	0.975	0.986	1403	1465
Left caudal anterior cingulate cortex	-0.001	0.038	0.986	0.986	1415	1473

<b>Left paracentral lobule</b>	0.011	0.054	0.845	0.939	1430	1490
<b>Right superior temporal cortex</b>	0.013	0.039	0.743	0.838	1316	1380
<b>Right frontal pole</b>	0.013	0.038	0.731	0.838	1434	1495
<b>Right parahippocampal gyrus</b>	0.016	0.042	0.700	0.830	1432	1493
<b>Right rostral anterior cingulate cortex</b>	0.017	0.044	0.690	0.830	1413	1474
<b>Left transverse temporal cortex</b>	0.018	0.046	0.692	0.830	1433	1493
<b>Right entorhinal cortex</b>	0.023	0.051	0.650	0.830	1244	1334
<b>Right supramarginal gyrus</b>	0.027	0.061	0.656	0.830	1321	1388
<b>Right temporal pole</b>	0.027	0.039	0.483	0.676	1430	1463
<b>Left temporal pole</b>	0.029	0.038	0.437	0.676	1435	1493
<b>Left pericalcarine gyrus</b>	0.056	0.051	0.270	0.572	1406	1482
<b>Right pericalcarine gyrus</b>	0.059	0.048	0.223	0.520	1409	1477
<b>Right postcentral gyrus</b>	0.062	0.063	0.326	0.594	1414	1473

**TABLE S30b:** Full meta-analytic results for cortical surface area of each structure for the adult OCD patients compared with adult healthy controls, controlling for age, sex, scan center and ICV.

	<b>Cohen's d<sup>a</sup> (OCD vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left transverse temporal gyrus	-0.169	0.038	0.000	0.001	1431	1492
Right superior temporal gyrus	-0.125	0.039	0.002	0.055	1314	1379
Right transverse temporal gyrus	-0.107	0.038	0.005	0.110	1432	1495
Right supramarginal gyrus	-0.100	0.048	0.036	0.302	1319	1387
Left pars opercularis	-0.099	0.038	0.009	0.131	1425	1488
Left pars triangularis	-0.098	0.038	0.009	0.131	1432	1490
Right posterior cingulate cortex	-0.090	0.064	0.159	0.653	1425	1491
Left superior temporal gyrus	-0.084	0.040	0.036	0.302	1294	1330
Left superior parietal cortex	-0.081	0.050	0.104	0.522	1415	1468
Left superior frontal gyrus	-0.080	0.038	0.038	0.302	1411	1436
Left surface area	-0.078	0.038	0.039	0.302	1433	1497
Right rostral anterior cingulate cortex	-0.075	0.046	0.104	0.522	1411	1474
Right superior frontal gyrus	-0.072	0.040	0.072	0.461	1408	1477
Left postcentral gyrus	-0.070	0.038	0.067	0.461	1401	1464
Left supramarginal gyrus	-0.068	0.040	0.087	0.509	1308	1362
Left lateral orbitofrontal cortex	-0.059	0.048	0.220	0.840	1431	1493
Right superior parietal cortex	-0.056	0.049	0.258	0.840	1409	1467
Left lateral occipital cortex	-0.055	0.052	0.289	0.840	1417	1479
Right surface area	-0.053	0.038	0.158	0.653	1434	1495
Left insula	-0.050	0.047	0.291	0.840	1412	1470
Left frontal pole	-0.048	0.053	0.365	0.902	1433	1489
Right caudal anterior cingulate cortex	-0.048	0.056	0.392	0.906	1420	1481
Right pars opercularis	-0.046	0.038	0.230	0.840	1416	1478
Right fusiform gyrus	-0.042	0.055	0.443	0.906	1426	1459
Right middle temporal gyrus	-0.042	0.038	0.268	0.840	1401	1467
Left posterior cingulate cortex	-0.040	0.053	0.446	0.906	1429	1491

Left inferior temporal cortex gyrus	-0.039	0.038	0.310	0.840	1382	1469
Right lateral occipital cortex	-0.039	0.038	0.309	0.840	1419	1478
Right pericalcarine gyrus	-0.038	0.038	0.312	0.840	1407	1476
Left caudal middle frontal gyrus	-0.036	0.044	0.408	0.906	1427	1477
Right isthmus cingulate cortex	-0.031	0.040	0.432	0.906	1427	1495
Left isthmus cingulate cortex	-0.029	0.047	0.536	0.948	1429	1491
Left pars orbitalis	-0.028	0.038	0.453	0.906	1429	1488
Right lingual gyrus	-0.025	0.038	0.512	0.948	1431	1491
Right insula	-0.024	0.044	0.582	0.948	1413	1461
Left lingual gyrus	-0.022	0.048	0.645	0.948	1425	1489
Left paracentral lobule	-0.021	0.044	0.633	0.948	1428	1489
Left entorhinal cortex	-0.020	0.051	0.700	0.948	1316	1381
Right pars triangularis	-0.018	0.047	0.697	0.948	1421	1461
Left pericalcarine gyrus	-0.017	0.038	0.664	0.948	1404	1481
Left rostral anterior cingulate cortex	-0.013	0.053	0.810	0.948	1413	1472
Right precentral gyrus	-0.013	0.038	0.742	0.948	1403	1453
Left medial orbitofrontal cortex	-0.011	0.038	0.766	0.948	1428	1489
Left cuneus	-0.009	0.041	0.829	0.948	1402	1464
Right postcentral gyrus	-0.008	0.043	0.856	0.952	1412	1472
Left temporal pole	-0.005	0.038	0.902	0.987	1434	1492
Right cuneus	-0.004	0.052	0.936	0.993	1399	1463
Left precentral gyrus	-0.002	0.038	0.962	0.995	1406	1470
Left middle temporal gyrus	-0.002	0.039	0.968	0.995	1319	1366
Right pars orbitalis	-0.001	0.051	0.982	0.995	1429	1494
Right caudal middle frontal gyrus	0.000	0.042	0.995	0.995	1421	1484
Right precuneus	0.005	0.057	0.936	0.993	1427	1490
Right paracentral lobule	0.008	0.038	0.840	0.948	1430	1492
Right rostral middle frontal gyrus	0.010	0.044	0.819	0.948	1422	1492
Left rostral middle frontal gyrus	0.011	0.045	0.802	0.948	1427	1484

<b>Right lateral orbitofrontal cortex</b>	0.011	0.038	0.762	0.948	1429	1496
<b>Left fusiform gyrus</b>	0.013	0.038	0.740	0.948	1426	1487
<b>Right parahippocampal gyrus</b>	0.013	0.052	0.803	0.948	1418	1486
<b>Left banks superior temporal sulcus</b>	0.014	0.040	0.733	0.948	1282	1356
<b>Left caudal anterior cingulate cortex</b>	0.014	0.042	0.733	0.948	1413	1472
<b>Right temporal pole</b>	0.016	0.052	0.759	0.948	1428	1462
<b>Right frontal pole</b>	0.017	0.038	0.661	0.948	1432	1494
<b>Right inferior temporal cortex gyrus</b>	0.024	0.042	0.576	0.948	1399	1487
<b>Right banks superior temporal sulcus</b>	0.024	0.039	0.535	0.948	1319	1389
<b>Right medial orbitofrontal cortex</b>	0.024	0.038	0.518	0.948	1426	1487
<b>Left inferior parietal cortex</b>	0.028	0.051	0.581	0.948	1363	1433
<b>Right entorhinal cortex</b>	0.030	0.057	0.605	0.948	1242	1333
<b>Left parahippocampal gyrus</b>	0.034	0.038	0.374	0.902	1422	1488
<b>Left precuneus</b>	0.040	0.044	0.358	0.902	1424	1492
<b>Right inferior parietal cortex</b>	0.073	0.049	0.138	0.643	1377	1451



**TABLE S31:** Overview of the effect sizes of significant results ( $q < 0.05$ ) detected by the pediatric meta-analysis on surface area controlled for age, sex, scan center and ICV.

	Med vs Unmedicated OCD patients		NoCurAnx vs HC	
	<i>Cohen's d<sup>a</sup></i>	<i>FDR P-value</i>	<i>Cohen's d<sup>a</sup></i>	<i>FDR P-value</i>
Left banks superior temporal sulcus				
Left caudal anterior cingulate cortex				
Left caudal middle frontal gyrus				
Left cuneus				
Left entorhinal cortex				
Left fusiform gyrus				
Left inferior parietal cortex				
Left inferior temporal cortex gyrus				
Left isthmus cingulate cortex				
Left lateral occipital cortex				
Left lateral orbitofrontal cortex				
Left lingual gyrus				
Left medial orbitofrontal cortex				
Left middle temporal gyrus				
Left parahippocampal gyrus				
Left paracentral lobule				
Left pars opercularis				
Left pars orbitalis				
Left pars triangularis				
Left pericalcarine gyrus				
Left postcentral gyrus				
Left posterior cingulate cortex				
Left precentral gyrus				

Left precuneus				
Left rostral anterior cingulate cortex				
Left rostral middle frontal gyrus			-0.364	0.030
Left superior frontal gyrus				
Left superior parietal cortex				
Left superior temporal gyrus				
Left supramarginal gyrus				
Left frontal pole				
Left temporal pole				
Left transverse temporal cortex				
Left insula				
Left cortical thickness				
Right banks superior temporal sulcus				
Right caudal anterior cingulate cortex				
Right caudal middle frontal gyrus				
Right cuneus				
Right entorhinal cortex				
Right fusiform gyrus				
Right inferior parietal cortex				
Right inferior temporal cortex gyrus				
Right isthmus cingulate cortex				
Right lateral occipital cortex				
Right lateral orbitofrontal cortex				
Right lingual gyrus				
Right medial orbitofrontal cortex				
Right middle temporal gyrus				
Right parahippocampal gyrus				

Right paracentral lobule				
Right pars opercularis				
Right pars orbitalis				
Right pars triangularis				
Right pericalcarine gyrus	-0.481	0.036		
Right postcentral gyrus				
Right posterior cingulate cortex				
Right precentral gyrus				
Right precuneus				
Right rostral anterior cingulate cortex				
Right rostral middle frontal gyrus				
Right superior frontal gyrus				
Right superior parietal cortex				
Right superior temporal gyrus				
Right supramarginal gyrus				
Right frontal pole				
Right temporal pole				
Right transverse temporal cortex				
Right insula				
Right cortical thickness				
Full surface area				

**TABLE S32a:** Full meta-analytic results for cortical thickness of each structure for the pediatric OCD patients compared with pediatric healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d<sup>a</sup> (OCD vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N patients</b>
Left inferior parietal cortex	-0.310	0.144	0.032	0.552	294	375
Left superior parietal cortex	-0.281	0.159	0.076	0.669	309	391
Right superior parietal cortex	-0.271	0.138	0.049	0.583	309	390
Left lateral occipital cortex	-0.258	0.095	0.007	0.479	308	391
Left cuneus	-0.223	0.092	0.015	0.526	310	393
Left precuneus	-0.179	0.142	0.208	0.707	310	390
Left cortical thickness	-0.175	0.127	0.167	0.707	312	394
Left pericalcarine gyrus	-0.173	0.077	0.024	0.552	309	392
Right inferior parietal cortex	-0.173	0.173	0.319	0.726	303	383
Right lateral occipital cortex	-0.163	0.123	0.183	0.707	310	390
Left banks superior temporal sulcus	-0.163	0.086	0.058	0.583	288	359
Left posterior cingulate cortex	-0.160	0.114	0.162	0.707	309	388
Left supramarginal gyrus	-0.155	0.118	0.189	0.707	293	377
Right precuneus	-0.154	0.117	0.188	0.707	312	388
Left medial orbitofrontal cortex	-0.149	0.077	0.053	0.583	310	388
Left paracentral lobule	-0.148	0.114	0.194	0.707	312	392
Right cuneus	-0.143	0.087	0.102	0.707	312	390
Right cortical thickness	-0.138	0.120	0.248	0.724	312	394
Left isthmus cingulate cortex	-0.128	0.101	0.202	0.707	311	386
Right caudal middle frontal gyrus	-0.128	0.110	0.244	0.724	309	389
Right pericalcarine gyrus	-0.112	0.083	0.180	0.707	312	389
Right inferior temporal cortex gyrus	-0.110	0.077	0.156	0.707	309	386
Left inferior temporal cortex gyrus	-0.106	0.097	0.275	0.726	306	389
Right posterior cingulate cortex	-0.102	0.120	0.397	0.727	310	387
Left pars opercularis	-0.099	0.111	0.372	0.727	310	391

Right insula	-0.097	0.078	0.212	0.707	301	384
Right postcentral gyrus	-0.097	0.078	0.210	0.707	305	385
Right paracentral lobule	-0.097	0.092	0.296	0.726	312	390
Left postcentral gyrus	-0.096	0.103	0.352	0.726	305	382
Right banks superior temporal sulcus	-0.095	0.096	0.322	0.726	288	374
Left fusiform gyrus	-0.095	0.121	0.432	0.727	302	388
Left precentral gyrus	-0.091	0.113	0.418	0.727	305	385
Left transverse temporal gyrus	-0.088	0.113	0.436	0.727	310	391
Right rostral anterior cingulate cortex	-0.087	0.078	0.268	0.726	298	386
Left caudal middle frontal gyrus	-0.084	0.133	0.527	0.769	311	392
Right middle temporal gyrus	-0.081	0.120	0.499	0.759	297	383
Right pars triangularis	-0.080	0.087	0.353	0.726	312	392
Left lingual gyrus	-0.075	0.077	0.329	0.726	309	391
Left middle temporal gyrus	-0.073	0.136	0.589	0.808	300	378
Right rostral middle frontal gyrus	-0.073	0.077	0.344	0.726	310	393
Left frontal pole	-0.065	0.077	0.399	0.727	311	392
Right pars opercularis	-0.063	0.077	0.414	0.727	306	391
Right transverse temporal gyrus	-0.062	0.086	0.468	0.735	308	394
Right pars orbitalis	-0.058	0.077	0.450	0.732	311	393
Left superior frontal gyrus	-0.056	0.077	0.473	0.735	307	386
Right precentral gyrus	-0.054	0.112	0.627	0.810	307	386
Right parahippocampal gyrus	-0.050	0.078	0.517	0.769	306	381
Right supramarginal gyrus	-0.048	0.119	0.688	0.847	299	379
Left pars orbitalis	-0.046	0.077	0.548	0.783	311	390
Left rostral middle frontal gyrus	-0.043	0.077	0.577	0.808	312	394
Left pars triangularis	-0.038	0.077	0.623	0.810	311	394
Right isthmus cingulate cortex	-0.036	0.077	0.637	0.810	310	387
Right temporal pole	-0.033	0.087	0.704	0.850	310	385
Right superior frontal gyrus	-0.032	0.081	0.690	0.847	302	384

Right fusiform gyrus	-0.024	0.109	0.827	0.940	302	385
Left parahippocampal gyrus	-0.021	0.092	0.819	0.940	305	382
Right superior temporal gyrus	-0.006	0.114	0.957	0.983	291	380
Right lateral orbitofrontal cortex	-0.004	0.077	0.954	0.983	310	392
Left superior temporal gyrus	-0.004	0.089	0.961	0.983	296	373
Left insula	-0.004	0.099	0.965	0.983	303	381
Left temporal pole	-0.003	0.078	0.968	0.983	309	389
Right entorhinal cortex	0.000	0.106	0.998	0.998	265	336
Right caudal anterior cingulate cortex	0.012	0.101	0.909	0.983	300	388
Right lingual gyrus	0.015	0.077	0.843	0.940	311	393
Left caudal anterior cingulate cortex	0.016	0.082	0.846	0.940	307	384
Left entorhinal cortex	0.031	0.117	0.789	0.936	278	360
Right frontal pole	0.038	0.077	0.626	0.810	307	393
Left lateral orbitofrontal cortex	0.063	0.077	0.412	0.727	312	393
Left rostral anterior cingulate cortex	0.081	0.078	0.298	0.726	307	385
Right medial orbitofrontal cortex	0.094	0.077	0.222	0.707	307	387

**TABLE S32b:** Full meta-analytic results for cortical surface area of each structure for the pediatric OCD patients compared with pediatric healthy controls, controlling for age, sex, scan center and ICV.

	Cohen's d <sup>a</sup> (OCD vs HC)	Standard Error	P-value	FDR P-value	N controls	N patients
Right paracentral lobule	-0.219	0.076	0.004	0.271	323	402
Left posterior cingulate cortex	-0.203	0.079	0.010	0.367	320	400
Right medial orbitofrontal cortex	-0.200	0.141	0.158	0.860	319	396
Right superior frontal gyrus	-0.181	0.113	0.109	0.860	310	395
Left lateral orbitofrontal cortex	-0.171	0.076	0.024	0.549	324	405
Left rostral middle frontal gyrus	-0.154	0.114	0.177	0.860	321	405
Left medial orbitofrontal cortex	-0.145	0.076	0.057	0.792	320	399
Left postcentral gyrus	-0.134	0.077	0.082	0.860	312	390
Right fusiform gyrus	-0.124	0.092	0.178	0.860	314	397
Left paracentral lobule	-0.123	0.121	0.307	0.860	321	402
Left superior frontal gyrus	-0.112	0.110	0.307	0.860	316	396
Right pars triangularis	-0.110	0.082	0.181	0.860	321	401
Right rostral middle frontal gyrus	-0.108	0.092	0.243	0.860	317	403
Right pars orbitalis	-0.106	0.076	0.160	0.860	322	403
Left pericalcarine gyrus	-0.104	0.086	0.226	0.860	320	401
Left inferior parietal cortex	-0.103	0.116	0.374	0.932	301	384
Right cuneus	-0.097	0.076	0.200	0.860	323	400
Right lateral orbitofrontal cortex	-0.095	0.080	0.233	0.860	322	404
Right posterior cingulate cortex	-0.092	0.095	0.335	0.881	322	399
Right superior parietal cortex	-0.092	0.111	0.408	0.932	320	400
Left caudal anterior cingulate cortex	-0.088	0.083	0.292	0.860	316	395
Left pars orbitalis	-0.085	0.077	0.270	0.860	322	402
Right lateral occipital cortex	-0.085	0.082	0.303	0.860	321	400
Right surface area	-0.083	0.101	0.407	0.932	324	406
Left cuneus	-0.081	0.076	0.286	0.860	320	402

Right inferior parietal cortex	-0.073	0.077	0.340	0.881	309	391
Left insula	-0.066	0.082	0.426	0.932	315	388
Left precuneus	-0.055	0.104	0.598	0.932	320	402
Left frontal pole	-0.049	0.076	0.513	0.932	323	404
Left superior parietal cortex	-0.046	0.089	0.610	0.932	317	401
Left pars opercularis	-0.045	0.118	0.701	0.932	319	398
Right pericalcarine gyrus	-0.044	0.076	0.559	0.932	323	400
Right lingual gyrus	-0.042	0.076	0.579	0.932	323	405
Right insula	-0.036	0.077	0.645	0.932	312	388
Left surface area	-0.035	0.125	0.778	0.932	324	406
Right postcentral gyrus	-0.028	0.077	0.715	0.932	309	392
Left banks superior temporal sulcus	-0.024	0.085	0.780	0.932	297	369
Right parahippocampal gyrus	-0.023	0.076	0.758	0.932	317	393
Right superior temporal gyrus	-0.023	0.109	0.831	0.932	298	387
Left middle temporal gyrus	-0.023	0.193	0.905	0.932	309	388
Left rostral anterior cingulate cortex	-0.021	0.130	0.871	0.932	316	394
Right middle temporal gyrus	-0.017	0.101	0.869	0.932	307	390
Right supramarginal gyrus	-0.016	0.078	0.840	0.932	303	386
Left fusiform gyrus	-0.012	0.093	0.896	0.932	314	398
Left lingual gyrus	-0.010	0.076	0.891	0.932	321	402
Right temporal pole	-0.001	0.076	0.994	0.994	322	397
Right pars opercularis	0.005	0.076	0.945	0.958	316	399
Left entorhinal cortex	0.010	0.080	0.901	0.932	287	369
Right rostral anterior cingulate cortex	0.012	0.077	0.872	0.932	310	397
Right caudal middle frontal gyrus	0.014	0.118	0.904	0.932	318	398
Right precuneus	0.019	0.102	0.855	0.932	324	399
Left caudal middle frontal gyrus	0.024	0.160	0.882	0.932	321	404
Left parahippocampal gyrus	0.025	0.120	0.833	0.932	317	394
Left superior temporal gyrus	0.026	0.094	0.778	0.932	304	380



Right banks superior temporal sulcus	0.026	0.079	0.738	0.932	298	383
Right caudal anterior cingulate cortex	0.030	0.091	0.738	0.932	310	400
Left lateral occipital cortex	0.034	0.082	0.676	0.932	319	401
Left supramarginal gyrus	0.042	0.098	0.670	0.932	299	382
Left transverse temporal gyrus	0.042	0.087	0.625	0.932	322	403
Left pars triangularis	0.051	0.076	0.504	0.932	321	402
Right inferior temporal cortex gyrus	0.053	0.134	0.695	0.932	320	394
Right precentral gyrus	0.053	0.113	0.639	0.932	312	394
Left precentral gyrus	0.062	0.085	0.462	0.932	313	396
Right isthmus cingulate cortex	0.074	0.099	0.458	0.932	322	398
Right transverse temporal gyrus	0.089	0.109	0.414	0.932	320	405
Left inferior temporal cortex gyrus	0.091	0.171	0.596	0.932	315	397
Left temporal pole	0.111	0.076	0.144	0.860	321	398
Right frontal pole	0.131	0.109	0.226	0.860	319	405
Right entorhinal cortex	0.148	0.130	0.256	0.860	276	348
Left isthmus cingulate cortex	0.149	0.076	0.051	0.792	322	399

**TABLE S33a:** Full results from the moderator analyses in the adult samples of mean age and field strength of scanner on cortical thickness controlled for age, sex, and scan center.

	Cohen's d (Field Strength)	Standard error	P-value	FDR P-value	Cohen's d (Mean age)	Standard error	P-value	FDR P-value
Right middle temporal gyrus	-0.224	0.121	0.063	0.924	-0.011	0.015	0.485	0.986
Left middle temporal gyrus	-0.203	0.113	0.072	0.924	-0.007	0.014	0.642	0.986
Right banks superior temporal sulcus	-0.193	0.092	0.036	0.924	-0.003	0.013	0.811	0.986
Left isthmus cingulate cortex	-0.144	0.101	0.155	0.924	-0.003	0.013	0.842	0.986
Right lateral orbitofrontal cortex	-0.140	0.091	0.124	0.924	-0.014	0.011	0.191	0.986
Right supramarginal gyrus	-0.139	0.123	0.261	0.924	0.004	0.015	0.812	0.986
Left banks superior temporal sulcus	-0.136	0.087	0.118	0.924	-0.008	0.010	0.435	0.986
Right superior temporal gyrus	-0.102	0.081	0.205	0.924	0.001	0.010	0.933	0.986
Left lateral occipital cortex	-0.100	0.097	0.302	0.924	-0.008	0.012	0.517	0.986
Right superior parietal cortex	-0.097	0.115	0.399	0.924	0.002	0.014	0.879	0.986
Right hemisphere average thickness	-0.095	0.117	0.413	0.924	-0.007	0.014	0.602	0.986
Left rostral middle frontal gyrus	-0.092	0.099	0.351	0.924	0.001	0.012	0.902	0.986
Left frontal pole	-0.087	0.094	0.358	0.924	-0.017	0.011	0.107	0.986
Left cuneus	-0.082	0.103	0.425	0.924	0.008	0.012	0.528	0.986
Right parahippocampal gyrus	-0.082	0.115	0.475	0.924	-0.010	0.014	0.469	0.986
Right pars opercularis	-0.077	0.101	0.448	0.924	0.001	0.012	0.931	0.986
Left superior frontal gyrus	-0.075	0.117	0.521	0.924	-0.009	0.014	0.526	0.986
Right pars triangularis	-0.074	0.107	0.487	0.924	0.003	0.013	0.825	0.986
Right rostral middle frontal gyrus	-0.074	0.100	0.464	0.924	-0.006	0.012	0.632	0.986
Left precuneus	-0.072	0.113	0.521	0.924	0.002	0.014	0.907	0.986
Right posterior cingulate cortex	-0.068	0.099	0.488	0.924	-0.007	0.012	0.526	0.986
Right superior frontal gyrus	-0.068	0.116	0.556	0.924	-0.004	0.014	0.751	0.986
Right caudal middle frontal gyrus	-0.066	0.103	0.524	0.924	-0.009	0.012	0.475	0.986
Right insula	-0.064	0.101	0.525	0.924	0.008	0.012	0.510	0.986

Left inferior parietal cortex	-0.059	0.111	0.597	0.924	0.011	0.013	0.412	0.986
Left hemisphere average thickness	-0.059	0.111	0.594	0.924	-0.005	0.013	0.708	0.986
Left lateral orbitofrontal cortex	-0.054	0.104	0.606	0.924	-0.006	0.012	0.655	0.986
Left pars orbitalis	-0.053	0.083	0.524	0.924	-0.006	0.010	0.538	0.986
Left precentral gyrus	-0.053	0.096	0.578	0.924	0.000	0.011	0.986	0.986
Right precuneus	-0.050	0.119	0.673	0.924	-0.013	0.014	0.351	0.986
Left supramarginal gyrus	-0.049	0.109	0.657	0.924	-0.002	0.013	0.876	0.986
Left fusiform gyrus	-0.042	0.116	0.718	0.924	-0.026	0.013	0.046	0.810
Left inferior temporal gyrus	-0.042	0.096	0.663	0.924	-0.022	0.010	0.036	0.810
Right medial orbitofrontal cortex	-0.042	0.093	0.647	0.924	-0.013	0.011	0.237	0.986
Right precentral gyrus	-0.042	0.119	0.723	0.924	-0.003	0.014	0.848	0.986
Left paracentral gyrus	-0.038	0.113	0.735	0.924	0.008	0.013	0.551	0.986
Right inferior parietal cortex	-0.035	0.097	0.717	0.924	0.000	0.012	0.976	0.986
Right isthmus cingulate cortex	-0.033	0.110	0.768	0.924	-0.013	0.013	0.302	0.986
Left pars triangularis	-0.027	0.090	0.764	0.924	-0.001	0.011	0.893	0.986
Right paracentral gyrus	-0.027	0.089	0.760	0.924	-0.006	0.010	0.599	0.986
Right pars orbitalis	-0.023	0.091	0.801	0.924	-0.006	0.011	0.584	0.986
Left posterior cingulate cortex	-0.021	0.091	0.821	0.924	-0.004	0.011	0.703	0.986
Right lateral occipital cortex	-0.020	0.089	0.819	0.924	-0.002	0.011	0.855	0.986
Left medial orbitofrontal cortex	-0.018	0.095	0.846	0.924	-0.018	0.011	0.089	0.986
Left superior temporal gyrus	-0.018	0.104	0.864	0.924	0.003	0.012	0.798	0.986
Left insula	-0.015	0.097	0.878	0.924	0.008	0.011	0.475	0.986
Right entorhinal cortex	-0.013	0.106	0.906	0.924	-0.011	0.012	0.361	0.986
Left pars opercularis	-0.003	0.091	0.970	0.970	-0.008	0.011	0.442	0.986
Right transverse temporal cortex	0.009	0.078	0.911	0.924	0.001	0.009	0.940	0.986
Left postcentral gyrus	0.014	0.105	0.894	0.924	0.010	0.013	0.429	0.986
Right caudal anterior cingulate cortex	0.015	0.093	0.872	0.924	0.015	0.011	0.166	0.986
Left entorhinal cortex	0.018	0.111	0.869	0.924	-0.009	0.013	0.482	0.986

Right frontal pole	0.025	0.078	0.745	0.924	-0.011	0.009	0.237	0.986
Right fusiform gyrus	0.027	0.113	0.813	0.924	-0.030	0.012	0.011	0.744
Right pericalcarine cortex	0.032	0.100	0.751	0.924	0.010	0.012	0.412	0.986
Left superior parietal cortex	0.035	0.128	0.784	0.924	-0.001	0.015	0.958	0.986
Left lingual gyrus	0.036	0.098	0.711	0.924	-0.011	0.012	0.353	0.986
Right inferior temporal gyrus	0.037	0.085	0.666	0.924	-0.012	0.010	0.191	0.986
Left temporal pole	0.040	0.078	0.610	0.924	-0.022	0.009	0.022	0.785
Left transverse temporal cortex	0.043	0.095	0.654	0.924	0.008	0.011	0.484	0.986
Right lingual gyrus	0.043	0.099	0.663	0.924	0.000	0.012	0.982	0.986
Right postcentral gyrus	0.047	0.130	0.719	0.924	0.000	0.016	0.980	0.986
Left parahippocampal gyrus	0.053	0.093	0.566	0.924	0.006	0.011	0.616	0.986
Right rostral anterior cingulate cortex	0.055	0.090	0.544	0.924	0.004	0.011	0.731	0.986
Left caudal middle frontal gyrus	0.056	0.092	0.541	0.924	-0.009	0.011	0.440	0.986
Right cuneus	0.066	0.090	0.466	0.924	0.014	0.011	0.208	0.986
Left rostral anterior cingulate cortex	0.067	0.079	0.392	0.924	0.008	0.010	0.424	0.986
Right temporal pole	0.068	0.080	0.397	0.924	-0.015	0.010	0.120	0.986
Left pericalcarine cortex	0.099	0.101	0.327	0.924	-0.005	0.013	0.707	0.986
Left caudal anterior cingulate cortex	0.131	0.078	0.094	0.924	0.011	0.009	0.247	0.986

**TABLE S33b:** Full results from the moderator analyses in the adult samples of mean age and field strength of scanner on surface area controlled for age, sex, scan center, and ICV.

	Cohen's d (Field Strength)	Standard error	P-value	FDR P-value	Cohen's d (Mean age)	Standard error	P-value	FDR P-value
Right posterior cingulate cortex	-0.216	0.127	0.089	0.568	0.018	0.015	0.235	0.922
Left posterior cingulate cortex	-0.184	0.101	0.070	0.568	-0.005	0.013	0.702	0.922
Right pars triangularis	-0.101	0.094	0.279	0.839	0.018	0.011	0.105	0.922
Right paracentral gyrus	-0.096	0.078	0.216	0.797	0.007	0.009	0.443	0.922
Right entorhinal cortex	-0.092	0.118	0.436	0.985	0.006	0.014	0.697	0.922
Left superior temporal gyrus	-0.086	0.082	0.296	0.839	0.006	0.010	0.543	0.922
Right pars opercularis	-0.083	0.078	0.287	0.839	0.005	0.010	0.591	0.922
Right caudal anterior cingulate cortex	-0.061	0.116	0.602	0.993	0.024	0.013	0.057	0.922
Left entorhinal cortex	-0.059	0.108	0.584	0.993	0.007	0.013	0.556	0.922
Left superior frontal gyrus	-0.056	0.080	0.484	0.993	0.013	0.010	0.182	0.922
Right cuneus	-0.049	0.109	0.650	0.993	0.004	0.013	0.750	0.922
Right insula	-0.049	0.092	0.598	0.993	0.014	0.011	0.171	0.922
Left parahippocampal gyrus	-0.038	0.078	0.631	0.993	-0.001	0.009	0.951	0.975
Right superior parietal cortex	-0.035	0.103	0.731	0.993	0.004	0.012	0.740	0.922
Right temporal pole	-0.035	0.110	0.749	0.993	-0.002	0.013	0.887	0.963
Left inferior parietal cortex	-0.034	0.107	0.754	0.993	-0.008	0.013	0.546	0.922
Left insula	-0.034	0.099	0.730	0.993	0.007	0.012	0.578	0.922
Left fusiform gyrus	-0.029	0.079	0.717	0.993	0.000	0.010	0.962	0.975
Right precuneus	-0.021	0.119	0.860	0.993	0.000	0.014	0.974	0.975
Right rostral anterior cingulate cortex	-0.021	0.097	0.829	0.993	0.019	0.011	0.087	0.922
Left transverse temporal cortex	-0.017	0.078	0.823	0.993	-0.012	0.009	0.204	0.922
Left precuneus	-0.016	0.092	0.865	0.993	0.008	0.011	0.456	0.922
Right superior frontal gyrus	-0.015	0.085	0.863	0.993	0.005	0.010	0.647	0.922
Right supramarginal gyrus	-0.014	0.100	0.890	0.993	-0.005	0.012	0.648	0.922
Left superior parietal cortex	-0.008	0.104	0.937	0.993	0.010	0.013	0.439	0.922

Left medial orbitofrontal cortex	-0.005	0.078	0.947	0.993	0.006	0.009	0.497	0.922
Left pars opercularis	0.001	0.081	0.990	0.993	-0.007	0.010	0.500	0.922
Right middle temporal gyrus	0.001	0.079	0.993	0.993	-0.001	0.010	0.883	0.963
Left caudal middle frontal gyrus	0.003	0.093	0.978	0.993	-0.007	0.011	0.530	0.922
Left temporal pole	0.003	0.078	0.968	0.993	0.002	0.009	0.847	0.956
Left pars triangularis	0.004	0.078	0.954	0.993	0.002	0.009	0.842	0.956
Right banks superior temporal sulcus	0.006	0.081	0.944	0.993	-0.010	0.010	0.311	0.922
Right medial orbitofrontal cortex	0.020	0.078	0.797	0.993	0.021	0.009	0.025	0.922
Right frontal pole	0.020	0.078	0.796	0.993	-0.009	0.009	0.344	0.922
Right superior temporal gyrus	0.026	0.081	0.746	0.993	0.007	0.010	0.510	0.922
Left lingual gyrus	0.028	0.101	0.782	0.993	-0.005	0.012	0.673	0.922
Right isthmus cingulate cortex	0.035	0.084	0.677	0.993	-0.004	0.010	0.727	0.922
Right transverse temporal cortex	0.035	0.078	0.651	0.993	-0.010	0.009	0.286	0.922
Left isthmus cingulate cortex	0.038	0.098	0.696	0.993	0.004	0.012	0.702	0.922
Right pars orbitalis	0.047	0.105	0.658	0.993	-0.007	0.012	0.569	0.922
Right hemisphere total surface area	0.048	0.078	0.540	0.993	0.009	0.009	0.363	0.922
Right fusiform gyrus	0.051	0.115	0.655	0.993	0.012	0.014	0.371	0.922
Right precentral gyrus	0.051	0.079	0.523	0.993	-0.011	0.010	0.247	0.922
Left paracentral gyrus	0.057	0.092	0.538	0.993	0.004	0.011	0.727	0.922
Left rostral anterior cingulate cortex	0.070	0.109	0.524	0.993	0.011	0.013	0.416	0.922
Left hemisphere total surface area	0.073	0.078	0.350	0.845	0.008	0.009	0.420	0.922
Left supramarginal gyrus	0.075	0.082	0.361	0.845	0.003	0.010	0.738	0.922
Right lateral orbitofrontal cortex	0.075	0.078	0.336	0.845	0.008	0.009	0.419	0.922
Right parahippocampal gyrus	0.079	0.107	0.457	0.993	0.016	0.013	0.196	0.922
Left pericalcarine cortex	0.080	0.078	0.309	0.839	0.014	0.010	0.157	0.922
Right lingual gyrus	0.081	0.078	0.302	0.839	0.017	0.009	0.067	0.922
Left cuneus	0.086	0.085	0.312	0.839	0.005	0.011	0.636	0.922
Right inferior parietal cortex	0.091	0.100	0.362	0.845	0.005	0.012	0.682	0.922
Right caudal middle frontal gyrus	0.095	0.087	0.276	0.839	-0.007	0.011	0.495	0.922

<b>Left pars orbitalis</b>	0.107	0.078	0.171	0.746	-0.003	0.009	0.790	0.954
<b>Right rostral middle frontal gyrus</b>	0.113	0.085	0.181	0.746	0.001	0.011	0.897	0.963
<b>Left postcentral gyrus</b>	0.115	0.079	0.144	0.721	0.005	0.010	0.585	0.922
<b>Right postcentral gyrus</b>	0.115	0.089	0.198	0.770	0.003	0.011	0.808	0.956
<b>Right lateral occipital cortex</b>	0.116	0.079	0.141	0.721	0.000	0.009	0.975	0.975
<b>Left lateral orbitofrontal cortex</b>	0.127	0.093	0.174	0.746	0.012	0.012	0.315	0.922
<b>Right pericalcarine cortex</b>	0.135	0.078	0.085	0.568	0.006	0.009	0.556	0.922
<b>Left middle temporal gyrus</b>	0.139	0.082	0.089	0.568	0.007	0.010	0.444	0.922
<b>Left inferior temporal gyrus</b>	0.145	0.079	0.066	0.568	0.002	0.010	0.846	0.956
<b>Left precentral gyrus</b>	0.146	0.079	0.062	0.568	-0.010	0.010	0.272	0.922
<b>Right inferior temporal gyrus</b>	0.147	0.078	0.060	0.568	-0.010	0.010	0.302	0.922
<b>Left rostral middle frontal gyrus</b>	0.150	0.088	0.088	0.568	0.001	0.011	0.908	0.963
<b>Left banks superior temporal sulcus</b>	0.151	0.083	0.068	0.568	0.005	0.010	0.609	0.922
<b>Left frontal pole</b>	0.164	0.101	0.104	0.609	-0.004	0.013	0.750	0.922
<b>Left caudal anterior cingulate cortex</b>	0.166	0.079	0.034	0.568	0.011	0.010	0.312	0.922
<b>Left lateral occipital cortex</b>	0.246	0.092	0.007	0.510	-0.008	0.013	0.518	0.922

**TABLE S34a:** Full results from the moderator analyses in the pediatric samples of mean age and field strength of scanner on cortical thickness controlled for age, gender, scan center and ICV.

	<b>Cohen's d (Field Strength)</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>Cohen's d (Mean age)</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>
Left caudal middle frontal gyrus	-0.634	0.314	0.043	0.666	-0.119	0.108	0.271	0.499
Right lateral occipital cortex	-0.609	0.322	0.058	0.666	-0.322	0.076	0.000	0.001
Left isthmus cingulate cortex	-0.581	0.266	0.029	0.666	-0.158	0.087	0.070	0.376
Left inferior parietal cortex	-0.574	0.385	0.136	0.666	-0.153	0.120	0.202	0.492
Right caudal middle frontal gyrus	-0.543	0.269	0.044	0.666	-0.139	0.087	0.110	0.425
Left paracentral gyrus	-0.513	0.313	0.101	0.666	-0.188	0.093	0.043	0.338
Right precuneus	-0.506	0.339	0.135	0.666	-0.261	0.087	0.003	0.097
Left superior frontal gyrus	-0.463	0.240	0.054	0.666	-0.093	0.075	0.219	0.494
Left transverse temporal cortex	-0.439	0.292	0.133	0.666	-0.137	0.089	0.123	0.425
Left postcentral gyrus	-0.435	0.293	0.139	0.666	-0.213	0.081	0.008	0.145
Left precuneus	-0.428	0.390	0.273	0.708	-0.206	0.112	0.066	0.376
Left supramarginal gyrus	-0.422	0.339	0.214	0.708	-0.041	0.110	0.712	0.804
Right inferior parietal cortex	-0.421	0.476	0.376	0.838	-0.145	0.145	0.315	0.525
Right isthmus cingulate cortex	-0.400	0.237	0.091	0.666	-0.111	0.075	0.142	0.433
Right superior frontal gyrus	-0.386	0.240	0.108	0.666	-0.107	0.077	0.164	0.448
Right parahippocampal gyrus	-0.369	0.234	0.114	0.666	-0.113	0.074	0.128	0.425
Left precentral gyrus	-0.365	0.318	0.251	0.708	-0.167	0.090	0.064	0.376
Left pars orbitalis	-0.342	0.234	0.143	0.666	-0.045	0.074	0.540	0.738
Right paracentral gyrus	-0.323	0.266	0.224	0.708	-0.166	0.077	0.033	0.338
Right superior temporal gyrus	-0.289	0.332	0.384	0.838	-0.161	0.095	0.091	0.425
Left caudal anterior cingulate cortex	-0.284	0.242	0.242	0.708	-0.074	0.075	0.325	0.529
Left banks superior temporal sulcus	-0.281	0.273	0.304	0.759	-0.081	0.080	0.313	0.525
Right hemisphere average thickness	-0.272	0.326	0.405	0.838	-0.186	0.088	0.034	0.338
Right supramarginal gyrus	-0.263	0.358	0.463	0.838	-0.169	0.102	0.098	0.425
Right pars orbitalis	-0.262	0.237	0.270	0.708	-0.003	0.077	0.968	0.968



Right pars triangularis	-0.217	0.260	0.403	0.838	-0.151	0.076	0.046	0.338
Right rostral middle frontal gyrus	-0.216	0.243	0.374	0.838	-0.042	0.077	0.579	0.738
Right precentral gyrus	-0.210	0.354	0.553	0.916	-0.224	0.084	0.007	0.145
Right banks superior temporal sulcus	-0.205	0.281	0.467	0.838	-0.087	0.085	0.308	0.525
Left hemisphere average thickness	-0.197	0.347	0.570	0.916	-0.128	0.101	0.206	0.492
Left lingual gyrus	-0.184	0.237	0.437	0.838	-0.116	0.075	0.122	0.425
Left pars triangularis	-0.181	0.239	0.449	0.838	-0.076	0.076	0.313	0.525
Right superior parietal cortex	-0.164	0.379	0.665	0.916	-0.126	0.112	0.259	0.499
Right lingual gyrus	-0.148	0.286	0.605	0.916	-0.075	0.087	0.390	0.620
Right pericalcarine cortex	-0.138	0.265	0.603	0.916	-0.148	0.075	0.048	0.338
Left parahippocampal gyrus	-0.116	0.265	0.661	0.916	-0.090	0.079	0.257	0.499
Left posterior cingulate cortex	-0.112	0.323	0.729	0.923	-0.064	0.099	0.515	0.738
Left superior temporal gyrus	-0.109	0.276	0.693	0.916	-0.091	0.082	0.268	0.499
Right postcentral gyrus	-0.105	0.251	0.674	0.916	-0.128	0.079	0.108	0.425
Left fusiform gyrus	-0.104	0.343	0.762	0.923	-0.120	0.099	0.226	0.495
Left rostral anterior cingulate cortex	-0.104	0.239	0.664	0.916	-0.086	0.076	0.260	0.499
Right posterior cingulate cortex	-0.102	0.342	0.765	0.923	-0.137	0.097	0.160	0.448
Right pars opercularis	-0.096	0.238	0.687	0.916	-0.095	0.076	0.211	0.492
Left lateral orbitofrontal cortex	-0.076	0.231	0.742	0.923	-0.058	0.073	0.429	0.653
Left rostral middle frontal gyrus	-0.034	0.236	0.886	0.968	-0.031	0.075	0.675	0.801
Right caudal anterior cingulate cortex	-0.034	0.313	0.913	0.968	-0.021	0.098	0.832	0.885
Right lateral orbitofrontal cortex	-0.031	0.231	0.895	0.968	0.005	0.074	0.943	0.957
Left insula	-0.012	0.295	0.968	0.982	-0.099	0.087	0.253	0.499
Right entorhinal cortex	0.003	0.291	0.993	0.993	-0.058	0.091	0.524	0.738
Right cuneus	0.018	0.262	0.944	0.972	-0.119	0.077	0.119	0.425
Left lateral occipital cortex	0.033	0.284	0.908	0.968	-0.178	0.075	0.017	0.242
Left superior parietal cortex	0.033	0.455	0.942	0.972	-0.067	0.138	0.627	0.773
Right fusiform gyrus	0.040	0.307	0.896	0.968	-0.115	0.089	0.195	0.492
Right transverse temporal cortex	0.042	0.258	0.872	0.968	-0.029	0.080	0.717	0.804

<b>Left pericalcarine cortex</b>	0.054	0.237	0.821	0.958	-0.034	0.075	0.647	0.781
<b>Left entorhinal cortex</b>	0.090	0.343	0.793	0.941	-0.014	0.108	0.897	0.937
<b>Right rostral anterior cingulate cortex</b>	0.123	0.236	0.600	0.916	-0.026	0.074	0.724	0.804
<b>Right middle temporal gyrus</b>	0.143	0.381	0.708	0.918	0.012	0.119	0.921	0.948
<b>Left pars opercularis</b>	0.164	0.342	0.632	0.916	-0.059	0.103	0.569	0.738
<b>Left temporal pole</b>	0.164	0.238	0.492	0.862	-0.036	0.075	0.630	0.773
<b>Right temporal pole</b>	0.186	0.250	0.457	0.838	-0.103	0.075	0.166	0.448
<b>Left middle temporal gyrus</b>	0.213	0.402	0.596	0.916	0.036	0.127	0.775	0.847
<b>Right inferior temporal gyrus</b>	0.216	0.262	0.411	0.838	-0.047	0.076	0.538	0.738
<b>Right insula</b>	0.275	0.247	0.266	0.708	-0.059	0.080	0.462	0.688
<b>Right medial orbitofrontal cortex</b>	0.287	0.236	0.224	0.708	-0.041	0.075	0.580	0.738
<b>Left frontal pole</b>	0.319	0.233	0.171	0.666	0.029	0.074	0.698	0.804
<b>Right frontal pole</b>	0.320	0.232	0.168	0.666	0.109	0.074	0.140	0.433
<b>Left inferior temporal gyrus</b>	0.363	0.327	0.266	0.708	0.061	0.107	0.570	0.738
<b>Left cuneus</b>	0.377	0.272	0.165	0.666	0.071	0.089	0.426	0.653
<b>Left medial orbitofrontal cortex</b>	0.400	0.240	0.096	0.666	0.017	0.080	0.835	0.885

**TABLE S34b:** Full results from the moderator analyses in the pediatric samples of mean age and field strength of scanner on surface area controlled for age, sex, scan center, and ICV.

	Cohen's d (Field Strength)	Standard error	P-value	FDR P-value	Cohen's d (Mean age)	Standard error	P-value	FDR P-value
Left middle temporal gyrus	-0.998	0.440	0.023	0.600	-0.128	0.170	0.451	0.999
Right inferior temporal gyrus	-0.550	0.329	0.094	0.907	-0.138	0.115	0.228	0.999
Right pars opercularis	-0.545	0.242	0.024	0.600	-0.078	0.076	0.306	0.999
Right pars orbitalis	-0.531	0.238	0.026	0.600	-0.155	0.075	0.038	0.999
Left rostral middle frontal gyrus	-0.508	0.322	0.115	0.907	-0.048	0.109	0.660	0.999
Left inferior temporal gyrus	-0.506	0.470	0.282	0.907	-0.094	0.154	0.540	0.999
Right supramarginal gyrus	-0.490	0.257	0.057	0.907	-0.107	0.083	0.198	0.999
Right superior parietal cortex	-0.432	0.303	0.153	0.907	-0.030	0.105	0.772	0.999
Left pars triangularis	-0.355	0.240	0.138	0.907	0.010	0.076	0.895	0.999
Left superior parietal cortex	-0.315	0.262	0.229	0.907	-0.010	0.091	0.915	0.999
Right entorhinal cortex	-0.312	0.342	0.362	0.907	-0.089	0.112	0.430	0.999
Left precentral gyrus	-0.306	0.239	0.200	0.907	-0.036	0.082	0.665	0.999
Right superior temporal gyrus	-0.301	0.337	0.372	0.907	0.025	0.109	0.817	0.999
Right pars triangularis	-0.288	0.253	0.255	0.907	-0.075	0.084	0.375	0.999
Left insula	-0.286	0.263	0.276	0.907	0.000	0.085	0.999	0.999
Right superior frontal gyrus	-0.278	0.331	0.401	0.907	0.050	0.109	0.647	0.999
Left hemisphere total surface area	-0.278	0.354	0.431	0.907	-0.005	0.116	0.967	0.999
Right medial orbitofrontal cortex	-0.274	0.410	0.504	0.907	0.008	0.131	0.948	0.999
Left lateral orbitofrontal cortex	-0.270	0.233	0.245	0.907	-0.075	0.074	0.311	0.999
Right hemisphere total surface area	-0.267	0.293	0.363	0.907	0.027	0.097	0.782	0.999
Right rostral middle frontal gyrus	-0.260	0.294	0.377	0.907	0.041	0.093	0.661	0.999
Left banks superior temporal sulcus	-0.257	0.289	0.374	0.907	-0.027	0.088	0.757	0.999
Right cuneus	-0.250	0.235	0.289	0.907	-0.090	0.075	0.228	0.999
Right frontal pole	-0.243	0.317	0.443	0.907	0.009	0.103	0.934	0.999
Left fusiform gyrus	-0.225	0.260	0.387	0.907	-0.069	0.086	0.420	0.999

Right lateral orbitofrontal cortex	-0.225	0.243	0.354	0.907	-0.108	0.075	0.149	0.999
Right insula	-0.206	0.247	0.404	0.907	-0.084	0.078	0.283	0.999
Left superior temporal gyrus	-0.198	0.304	0.515	0.907	-0.018	0.096	0.853	0.999
Right caudal middle frontal gyrus	-0.194	0.338	0.566	0.907	-0.065	0.107	0.543	0.999
Left supramarginal gyrus	-0.183	0.331	0.580	0.907	0.044	0.102	0.667	0.999
Right fusiform gyrus	-0.183	0.282	0.517	0.907	0.042	0.088	0.637	0.999
Left superior frontal gyrus	-0.161	0.334	0.630	0.907	0.004	0.106	0.969	0.999
Right inferior parietal cortex	-0.159	0.248	0.522	0.907	-0.002	0.078	0.978	0.999
Left entorhinal cortex	-0.157	0.244	0.519	0.907	-0.009	0.081	0.910	0.999
Left precuneus	-0.155	0.317	0.625	0.907	0.025	0.100	0.801	0.999
Right precentral gyrus	-0.150	0.359	0.676	0.912	0.089	0.112	0.426	0.999
Left pars opercularis	-0.145	0.364	0.691	0.912	0.078	0.113	0.489	0.999
Right lingual gyrus	-0.144	0.242	0.551	0.907	0.121	0.073	0.100	0.999
Right pericalcarine cortex	-0.136	0.235	0.562	0.907	0.066	0.074	0.373	0.999
Left cuneus	-0.120	0.237	0.614	0.907	0.049	0.075	0.516	0.999
Right banks superior temporal sulcus	-0.117	0.256	0.648	0.907	0.023	0.082	0.781	0.999
Left parahippocampal gyrus	-0.103	0.351	0.770	0.928	0.046	0.112	0.683	0.999
Right lateral occipital cortex	-0.095	0.264	0.719	0.928	0.030	0.084	0.719	0.999
Left pericalcarine cortex	-0.085	0.275	0.757	0.928	0.099	0.085	0.244	0.999
Left caudal middle frontal gyrus	-0.083	0.466	0.858	0.954	-0.002	0.146	0.991	0.999
Right middle temporal gyrus	-0.061	0.314	0.846	0.954	0.002	0.101	0.982	0.999
Left medial orbitofrontal cortex	-0.056	0.249	0.823	0.954	-0.096	0.077	0.216	0.999
Left paracentral gyrus	-0.042	0.365	0.910	0.995	-0.079	0.110	0.471	0.999
Right rostral anterior cingulate cortex	-0.016	0.239	0.948	0.998	0.012	0.074	0.874	0.999
Right postcentral gyrus	-0.012	0.250	0.961	0.998	0.053	0.079	0.503	0.999
Right precuneus	-0.002	0.312	0.995	0.998	0.138	0.090	0.127	0.999
Right transverse temporal cortex	-0.001	0.330	0.998	0.998	0.016	0.104	0.875	0.999
Left postcentral gyrus	0.002	0.244	0.992	0.998	0.007	0.078	0.930	0.999
Left lingual gyrus	0.005	0.233	0.984	0.998	0.123	0.074	0.098	0.999

<b>Right posterior cingulate cortex</b>	0.053	0.291	0.855	0.954	-0.018	0.093	0.849	0.999
<b>Left pars orbitalis</b>	0.068	0.246	0.783	0.928	-0.036	0.080	0.652	0.999
<b>Left lateral occipital cortex</b>	0.078	0.267	0.771	0.928	0.165	0.075	0.027	0.999
<b>Left caudal anterior cingulate cortex</b>	0.084	0.270	0.754	0.928	-0.049	0.085	0.562	0.999
<b>Left isthmus cingulate cortex</b>	0.094	0.234	0.688	0.912	0.098	0.074	0.187	0.999
<b>Left transverse temporal cortex</b>	0.125	0.273	0.646	0.907	0.094	0.085	0.266	0.999
<b>Left frontal pole</b>	0.126	0.232	0.588	0.907	0.110	0.073	0.133	0.999
<b>Right parahippocampal gyrus</b>	0.143	0.232	0.537	0.907	0.072	0.074	0.329	0.999
<b>Right paracentral gyrus</b>	0.157	0.232	0.500	0.907	-0.056	0.074	0.447	0.999
<b>Right temporal pole</b>	0.172	0.231	0.457	0.907	0.013	0.073	0.855	0.999
<b>Left inferior parietal cortex</b>	0.199	0.323	0.538	0.907	0.070	0.097	0.472	0.999
<b>Right isthmus cingulate cortex</b>	0.205	0.293	0.484	0.907	0.149	0.082	0.068	0.999
<b>Left rostral anterior cingulate cortex</b>	0.208	0.381	0.585	0.907	0.020	0.122	0.867	0.999
<b>Right caudal anterior cingulate cortex</b>	0.216	0.251	0.388	0.907	0.065	0.076	0.386	0.999
<b>Left temporal pole</b>	0.218	0.237	0.357	0.907	0.123	0.075	0.101	0.999
<b>Left posterior cingulate cortex</b>	0.237	0.240	0.323	0.907	0.043	0.076	0.571	0.999

**TABLE S35:** Demographic and Clinical Characteristics of medicated and unmedicated OCD patients.

Characteristic	medicated adult OCD patients (N=646)		unmedicated adult OCD patients (N=831)		Statistical analysis			medicated pediatric OCD patients (N=183)		unmedicated pediatric OCD patients (N=222)		Statistical analysis		
	Mean	SD	Mean	SD	t	df	p	Mean	SD	Mean	SD	t	df	p
<b>Age (years)</b>	34.2	10.2	30.3	8.9	-7.7	1288	< 0,001*	14.6	2.3	13.2	2.6	-5.8	401	< 0,001*
<b>OCD illness severity score</b>	24.9	7.3	24.1	6.5	-2.0	1243	0.041*	20.7	7.5	22.0	7.2	1.7	400	0.089
<b>Age at onset of clinical symptoms (years)</b>	20.8	9.7	19.2	8.5	-3.3	1211	0.001*	10.8	3.2	10.2	3.0	-1.5	287	0.123
	<b>N</b>	<b>%</b>	<b>N</b>	<b>%</b>	<b>X<sup>2</sup></b>		<b>p</b>	<b>N</b>	<b>%</b>	<b>N</b>	<b>%</b>	<b>X<sup>2</sup></b>		<b>p</b>
<b>Male</b>	320	49.5	424	51.0	0.3	1	0.571	106	57.9	113	50.9	2.0	1	0.158
<b>Current Anxiety</b>	104	17.9	119	16.1	0.8	1	0.381	61	35.9	70	34.0	0.1	1	0.700
<b>Current Depression</b>	98	16.6	65	8.7	19.3	1	< 0.001*	10	5.9	19	9.2	1.4	1	0.232

**TABLE S36a:** Full mega-analytic results for cortical thickness of each structure for the medicated OCD patients on antidepressants compared with adult healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d (Antidep vs HC)</b>	<b>Standard Error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N antidepressants</b>
<b>Left fusiform gyrus</b>	-0.253	0.009	6.907E-06	4.835E-04	1428	416
<b>Left cortical thickness</b>	-0.240	0.006	1.945E-05	5.654E-04	1435	418
<b>Left superior frontal gyrus</b>	-0.233	0.009	4.379E-05	5.654E-04	1413	403
<b>Right middle temporal gyrus</b>	-0.232	0.010	4.468E-05	5.654E-04	1402	407
<b>Right fusiform gyrus</b>	-0.228	0.009	5.811E-05	5.654E-04	1428	408
<b>Right caudal middle frontal gyrus</b>	-0.228	0.009	5.323E-05	5.654E-04	1423	415
<b>Right cortical thickness</b>	-0.226	0.006	5.930E-05	5.654E-04	1435	416
<b>Right lateral orbitofrontal cortex</b>	-0.224	0.010	6.461E-05	5.654E-04	1431	418
<b>Left middle temporal gyrus</b>	-0.223	0.010	1.457E-04	0.001	1320	384
<b>Right inferior parietal cortex</b>	-0.218	0.008	1.390E-04	0.001	1379	404
<b>Left inferior temporal gyrus</b>	-0.204	0.010	3.595E-04	0.002	1383	405
<b>Right inferior temporal gyrus</b>	-0.193	0.010	6.397E-04	0.004	1400	415
<b>Left rostral middle frontal gyrus</b>	-0.190	0.008	7.697E-04	0.004	1429	411
<b>Left inferior parietal cortex</b>	-0.188	0.008	0.001	0.005	1364	404
<b>Left caudal middle frontal gyrus</b>	-0.186	0.009	9.789E-04	0.005	1429	414
<b>Left lingual gyrus</b>	-0.184	0.008	0.001	0.005	1427	413
<b>Left pars opercularis</b>	-0.183	0.009	0.001	0.005	1427	414
<b>Left lateral orbitofrontal cortex</b>	-0.182	0.010	0.001	0.005	1433	414
<b>Left isthmus cingulate cortex</b>	-0.182	0.012	0.001	0.005	1431	416
<b>Right superior frontal gyrus</b>	-0.180	0.009	0.001	0.005	1410	413
<b>Right pars triangularis</b>	-0.169	0.010	0.003	0.009	1423	408
<b>Right precuneus</b>	-0.169	0.008	0.003	0.009	1429	416
<b>Right rostral middle frontal gyrus</b>	-0.168	0.008	0.003	0.009	1424	417
<b>Right pars orbitalis</b>	-0.163	0.013	0.004	0.011	1431	418

Left insula	-0.163	0.011	0.004	0.011	1414	410
Right medial orbitofrontal cortex	-0.162	0.011	0.004	0.011	1428	414
Left parahippocampal gyrus	-0.160	0.018	0.004	0.012	1424	416
Right pars opercularis	-0.153	0.010	0.007	0.017	1418	412
Right posterior cingulate cortex	-0.143	0.010	0.011	0.026	1427	417
Right supramarginal gyrus	-0.142	0.009	0.015	0.032	1321	390
Left precuneus	-0.140	0.008	0.013	0.030	1426	415
Right insula	-0.138	0.011	0.014	0.032	1415	413
Left supramarginal gyrus	-0.133	0.009	0.023	0.047	1310	386
Left banks superior temporal sulcus	-0.132	0.011	0.026	0.050	1284	378
Right precentral gyrus	-0.129	0.008	0.024	0.047	1405	406
Right parahippocampal gyrus	-0.128	0.016	0.023	0.047	1420	415
Left entorhinal cortex	-0.127	0.024	0.030	0.055	1318	385
Left lateral occipital cortex	-0.126	0.008	0.026	0.050	1419	410
Right entorhinal cortex	-0.120	0.025	0.043	0.071	1244	376
Left medial orbitofrontal cortex	-0.120	0.011	0.033	0.059	1430	412
Right banks superior temporal sulcus	-0.117	0.011	0.045	0.072	1321	382
Left frontal pole	-0.117	0.019	0.038	0.066	1435	415
Left superior temporal gyrus	-0.115	0.010	0.052	0.079	1296	372
Left paracentral lobule	-0.113	0.009	0.043	0.071	1430	416
Left posterior cingulate cortex	-0.113	0.010	0.044	0.071	1431	415
Left pars triangularis	-0.110	0.010	0.050	0.078	1434	414
Right temporal pole	-0.101	0.023	0.075	0.111	1430	408
Right isthmus cingulate cortex	-0.096	0.012	0.086	0.126	1429	418
Left pars orbitalis	-0.096	0.013	0.088	0.126	1431	415
Left rostral anterior cingulate cortex	-0.092	0.015	0.103	0.145	1415	411
Left precentral gyrus	-0.091	0.008	0.107	0.147	1408	410
Right caudal anterior cingulate cortex	-0.082	0.015	0.144	0.194	1422	414
Left superior parietal cortex	-0.082	0.007	0.148	0.196	1417	405



<b>Right superior parietal cortex</b>	-0.080	0.008	0.159	0.206	1411	405
<b>Right superior temporal gyrus</b>	-0.077	0.010	0.188	0.240	1316	381
<b>Right paracentral lobule</b>	-0.068	0.009	0.226	0.282	1432	417
<b>Left cuneus</b>	-0.066	0.008	0.249	0.306	1404	397
<b>Left temporal pole</b>	-0.054	0.022	0.341	0.411	1435	416
<b>Right lateral occipital cortex</b>	-0.050	0.008	0.381	0.452	1421	408
<b>Left caudal anterior cingulate cortex</b>	-0.047	0.018	0.406	0.473	1415	411
<b>Left postcentral gyrus</b>	-0.045	0.007	0.428	0.483	1403	406
<b>Right lingual gyrus</b>	-0.045	0.008	0.424	0.483	1433	414
<b>Right transverse temporal cortex</b>	-0.040	0.013	0.478	0.531	1434	418
<b>Right frontal pole</b>	-0.038	0.019	0.496	0.543	1434	418
<b>Right cuneus</b>	-0.036	0.009	0.524	0.564	1401	400
<b>Right postcentral gyrus</b>	-0.033	0.007	0.553	0.587	1414	415
<b>Right rostral anterior cingulate cortex</b>	-0.017	0.015	0.758	0.792	1413	410
<b>Right pericalcarine gyrus</b>	-0.009	0.008	0.879	0.880	1409	407
<b>Left transverse temporal cortex</b>	0.008	0.013	0.880	0.880	1433	416
<b>Left pericalcarine gyrus</b>	0.011	0.008	0.851	0.876	1406	410

**TABLE S36b:** Full mega-analytic results for cortical thickness of each structure for the medicated OCD patients on antidepressants & antipsychotics compared with adult healthy controls, controlling for age, sex and scan center.

	<b>Cohen's d (Antidepressants + Antipsychotics vs HC)</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N controls</b>	<b>N antidepressants + antipsychotics</b>
Left inferior parietal cortex	-0.503	0.014	9.005E-07	3.152E-05	1364	106
Right precuneus	-0.498	0.014	7.089E-07	3.152E-05	1429	110
Left precuneus	-0.481	0.014	1.506E-06	3.513E-05	1426	111
Left superior parietal cortex	-0.448	0.012	8.083E-06	1.414E-04	1417	110
Left cortical thickness	-0.439	0.010	1.116E-05	1.562E-04	1435	111
Left posterior cingulate cortex	-0.392	0.016	8.670E-05	0.001	1431	111
Right cortical thickness	-0.382	0.010	1.276E-04	0.001	1435	111
Left supramarginal gyrus	-0.379	0.015	2.306E-04	0.002	1310	105
Left medial orbitofrontal cortex	-0.373	0.018	1.844E-04	0.002	1430	111
Right posterior cingulate cortex	-0.369	0.017	2.161E-04	0.002	1427	111
Right isthmus cingulate cortex	-0.366	0.020	2.476E-04	0.002	1429	111
Right superior parietal cortex	-0.357	0.013	3.840E-04	0.002	1411	109
Left isthmus cingulate cortex	-0.355	0.021	4.084E-04	0.002	1431	109
Right caudal middle frontal gyrus	-0.349	0.016	4.662E-04	0.002	1423	111
Left caudal middle frontal gyrus	-0.348	0.015	4.855E-04	0.002	1429	111
Left rostral middle frontal gyrus	-0.342	0.014	6.061E-04	0.003	1429	111
Right lateral occipital cortex	-0.336	0.014	7.816E-04	0.003	1421	110
Left superior frontal gyrus	-0.329	0.016	0.001	0.004	1413	109
Right inferior parietal cortex	-0.328	0.014	0.001	0.005	1379	107
Right lingual gyrus	-0.315	0.013	0.002	0.005	1433	111
Right precentral gyrus	-0.305	0.014	0.002	0.008	1405	110
Right middle temporal gyrus	-0.300	0.016	0.003	0.010	1402	108
Left banks superior temporal sulcus	-0.292	0.019	0.007	0.018	1284	95
Left fusiform gyrus	-0.284	0.015	0.004	0.013	1428	111
Left lateral occipital cortex	-0.283	0.014	0.005	0.014	1419	110

Right superior frontal gyrus	-0.278	0.015	0.006	0.015	1410	110
Right medial orbitofrontal cortex	-0.277	0.019	0.006	0.016	1428	109
Left inferior temporal gyrus	-0.268	0.017	0.008	0.019	1383	107
Left lateral orbitofrontal cortex	-0.266	0.017	0.008	0.019	1433	111
Right pars orbitalis	-0.264	0.023	0.008	0.019	1431	111
Right supramarginal gyrus	-0.260	0.014	0.011	0.025	1321	105
Left paracentral lobule	-0.257	0.016	0.010	0.023	1430	110
Right inferior temporal gyrus	-0.246	0.017	0.014	0.030	1400	109
Left precentral gyrus	-0.245	0.014	0.014	0.030	1408	111
Left frontal pole	-0.234	0.033	0.019	0.038	1435	111
Right pars triangularis	-0.229	0.016	0.021	0.042	1423	111
Right frontal pole	-0.218	0.033	0.029	0.054	1434	110
Right cuneus	-0.218	0.015	0.034	0.060	1401	104
Right lateral orbitofrontal cortex	-0.218	0.018	0.029	0.054	1431	111
Right rostral middle frontal gyrus	-0.210	0.014	0.036	0.061	1424	110
Left pars opercularis	-0.210	0.015	0.035	0.061	1427	111
Left lingual gyrus	-0.204	0.013	0.040	0.067	1427	111
Left pars orbitalis	-0.197	0.023	0.048	0.078	1431	111
Left middle temporal gyrus	-0.192	0.018	0.073	0.114	1320	96
Left cuneus	-0.182	0.014	0.071	0.112	1404	108
Left pars triangularis	-0.177	0.016	0.075	0.114	1434	111
Right fusiform gyrus	-0.175	0.015	0.080	0.119	1428	110
Right pars opercularis	-0.173	0.016	0.085	0.124	1418	109
Left postcentral gyrus	-0.168	0.012	0.092	0.132	1403	111
Left entorhinal cortex	-0.161	0.040	0.123	0.172	1318	101
Left insula	-0.130	0.018	0.192	0.264	1414	110
Left caudal anterior cingulate cortex	-0.122	0.030	0.222	0.299	1415	110
Right entorhinal cortex	-0.110	0.043	0.293	0.387	1244	100
Right transverse temporal cortex	-0.090	0.023	0.365	0.473	1434	111

<b>Right insula</b>	-0.088	0.019	0.383	0.478	1415	108
<b>Right parahippocampal cortex</b>	-0.086	0.027	0.389	0.478	1420	111
<b>Left rostral anterior cingulate cortex</b>	-0.083	0.026	0.407	0.491	1415	109
<b>Left superior temporal gyrus</b>	-0.076	0.018	0.480	0.560	1296	95
<b>Right paracentral lobule</b>	-0.071	0.015	0.473	0.560	1432	111
<b>Right caudal anterior cingulate cortex</b>	-0.066	0.026	0.510	0.585	1422	111
<b>Right superior temporal gyrus</b>	-0.064	0.017	0.542	0.607	1316	100
<b>Right banks superior temporal sulcus</b>	-0.063	0.018	0.547	0.607	1321	101
<b>Right pericalcarine gyrus</b>	-0.042	0.014	0.682	0.746	1409	106
<b>Left transverse temporal cortex</b>	-0.034	0.022	0.734	0.791	1433	111
<b>Left temporal pole</b>	-0.030	0.037	0.760	0.794	1435	111
<b>Left parahippocampal cortex</b>	-0.010	0.031	0.917	0.917	1424	110
<b>Right postcentral gyrus</b>	0.013	0.012	0.893	0.906	1414	110
<b>Right rostral anterior cingulate cortex</b>	0.028	0.025	0.778	0.801	1413	110
<b>Left pericalcarine gyrus</b>	0.032	0.014	0.750	0.794	1406	109
<b>Right temporal pole</b>	0.089	0.039	0.373	0.474	1430	111

**TABLE S36c:** Full mega-analytic results for cortical thickness of each structure for the medicated OCD patients on antidepressants versus those on antidepressants & antipsychotics, controlling for age, sex and scan center.

	<b>Cohen's d (Antidep vs Antidep + Antipsych</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N Antidepressants</b>	<b>N Antidepressants + Antipsychotics</b>
Left superior parietal cortex	-0.264	0.014	0.016	0.801	405	110
Left precuneus	-0.195	0.018	0.075	0.801	415	111
Left inferior parietal cortex	-0.187	0.017	0.093	0.801	404	106
Right lingual gyrus	-0.185	0.016	0.090	0.801	414	111
Right precuneus	-0.178	0.017	0.105	0.801	416	110
Left posterior cingulate cortex	-0.162	0.020	0.137	0.801	415	111
Right superior parietal cortex	-0.156	0.015	0.156	0.801	405	109
Right lateral occipital cortex	-0.155	0.018	0.158	0.801	408	110
Left supramarginal gyrus	-0.150	0.018	0.182	0.801	386	105
Left medial orbitofrontal cortex	-0.147	0.022	0.179	0.801	412	111
Right frontal pole	-0.134	0.035	0.221	0.801	418	110
Left caudal middle frontal gyrus	-0.120	0.018	0.271	0.801	414	111
Left caudal anterior cingulate cortex	-0.109	0.036	0.318	0.801	411	110
Right cuneus	-0.102	0.017	0.366	0.801	400	104
Left postcentral gyrus	-0.091	0.014	0.407	0.801	406	111
Left lateral occipital cortex	-0.088	0.017	0.422	0.801	410	110
Left isthmus cingulate cortex	-0.081	0.026	0.463	0.801	416	109
Left rostral middle frontal gyrus	-0.081	0.016	0.460	0.801	411	111
Right posterior cingulate cortex	-0.080	0.021	0.461	0.801	417	111
Left cortical thickness	-0.074	0.012	0.499	0.801	418	111
Right isthmus cingulate cortex	-0.073	0.024	0.504	0.801	418	111
Left paracentral lobule	-0.072	0.018	0.509	0.801	416	110
Right precentral gyrus	-0.071	0.017	0.519	0.801	406	110
Left precentral gyrus	-0.070	0.016	0.522	0.801	410	111
Left frontal pole	-0.070	0.035	0.522	0.801	415	111
Right pars orbitalis	-0.064	0.025	0.557	0.801	418	111

Left pars triangularis	-0.062	0.019	0.567	0.801	414	111
Left pars orbitalis	-0.044	0.026	0.689	0.876	415	111
Right caudal middle frontal gyrus	-0.041	0.018	0.705	0.881	415	111
Left banks superior temporal sulcus	-0.032	0.023	0.785	0.938	378	95
Right inferior temporal gyrus	-0.028	0.020	0.799	0.938	415	109
Right inferior parietal cortex	-0.028	0.016	0.804	0.938	404	107
Left cuneus	-0.011	0.016	0.920	0.967	397	108
Left pars opercularis	-0.011	0.018	0.922	0.967	414	111
Right cortical thickness	-0.009	0.013	0.936	0.967	416	111
Left lateral orbitofrontal cortex	-0.003	0.021	0.976	0.990	414	111
Right medial orbitofrontal cortex	-0.001	0.023	0.991	0.991	414	109
Right transverse temporal cortex	0.008	0.025	0.939	0.967	418	111
Right supramarginal gyrus	0.012	0.018	0.914	0.967	390	105
Left temporal pole	0.014	0.042	0.898	0.967	416	111
Right pars triangularis	0.017	0.019	0.877	0.967	408	111
Right pericalcarine gyrus	0.024	0.016	0.829	0.951	407	106
Right pars opercularis	0.040	0.020	0.718	0.881	412	109
Right paracentral lobule	0.046	0.018	0.674	0.874	417	111
Left transverse temporal cortex	0.053	0.026	0.624	0.824	416	111
Left lingual gyrus	0.058	0.016	0.594	0.801	413	111
Left superior frontal gyrus	0.059	0.018	0.595	0.801	403	109
Left inferior temporal gyrus	0.060	0.021	0.591	0.801	405	107
Left entorhinal cortex	0.062	0.047	0.587	0.801	385	101
Right superior frontal gyrus	0.063	0.019	0.563	0.801	413	110
Right rostral middle frontal gyrus	0.064	0.016	0.558	0.801	417	110
Right parahippocampal cortex	0.068	0.030	0.534	0.801	415	111
Left fusiform gyrus	0.069	0.018	0.525	0.801	416	111
Left rostral anterior cingulate cortex	0.076	0.032	0.492	0.801	411	109
Left pericalcarine gyrus	0.077	0.016	0.483	0.801	410	109
Left insula	0.078	0.023	0.476	0.801	410	110
Right caudal anterior cingulate cortex	0.079	0.031	0.467	0.801	414	111

<b>Right middle temporal gyrus</b>	0.084	0.019	0.448	0.801	407	108
<b>Right insula</b>	0.088	0.023	0.427	0.801	413	108
<b>Left parahippocampal cortex</b>	0.100	0.037	0.361	0.801	416	110
<b>Left superior temporal gyrus</b>	0.106	0.021	0.368	0.801	372	95
<b>Right rostral anterior cingulate cortex</b>	0.113	0.030	0.304	0.801	410	110
<b>Right lateral orbitofrontal cortex</b>	0.117	0.021	0.284	0.801	418	111
<b>Right postcentral gyrus</b>	0.126	0.014	0.250	0.801	415	110
<b>Right superior temporal gyrus</b>	0.131	0.021	0.256	0.801	381	100
<b>Left middle temporal gyrus</b>	0.147	0.021	0.208	0.801	384	96
<b>Right entorhinal cortex</b>	0.148	0.049	0.198	0.801	376	100
<b>Right fusiform gyrus</b>	0.158	0.018	0.149	0.801	408	110
<b>Right banks superior temporal sulcus</b>	0.173	0.022	0.130	0.801	382	101
<b>Right temporal pole</b>	0.229	0.045	0.036	0.801	408	111

**TABLE S37a:** Full mega-analytic results for cortical thickness of each structure for the age of onset squared regression analysis in adult OCD patients, controlling for age, sex and scan center. Correlation coefficient Pearsons r is reported.

	<b>Cohen's d (AO<sup>2</sup>)</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
Right transverse temporal cortex	-0.048	1.600E-05	0.056	0.562	1417
Right superior temporal cortex	-0.034	1.264E-05	0.031	0.538	1304
Right banks superior temporal sulcus	-0.033	1.435E-05	0.032	0.538	1323
Right rostral anterior cingulate cortex	-0.027	1.860E-05	0.681	0.977	1396
Right postcentral gyrus	-0.027	8.949E-06	0.038	0.538	1396
Left precentral gyrus	-0.017	1.023E-05	0.083	0.644	1393
Left caudal anterior cingulate cortex	-0.017	2.219E-05	0.697	0.977	1394
Right pars orbitalis	-0.014	1.621E-05	0.650	0.977	1416
Left precuneus	-0.012	1.009E-05	0.187	0.977	1415
Left supramarginal gyrus	-0.012	1.144E-05	0.277	0.977	1298
Left postcentral gyrus	-0.010	8.918E-06	0.226	0.977	1388
Left parahippocampal gyrus	-0.008	2.328E-05	0.715	0.977	1410
Right medial orbitofrontal cortex	-0.007	1.423E-05	0.726	0.977	1408
Right caudal anterior cingulate cortex	-0.006	1.914E-05	0.852	0.977	1403
Left posterior cingulate cortex	-0.006	1.223E-05	0.536	0.977	1413
Left pars orbitalis	-0.003	1.632E-05	0.853	0.977	1412
Left pericalcarine gyrus	-0.002	1.002E-05	0.667	0.977	1403
Right lingual gyrus	-0.002	9.535E-06	0.760	0.977	1413
Left medial orbitofrontal cortex	-0.001	1.319E-05	0.793	0.977	1411
Left cuneus	-0.001	1.008E-05	0.619	0.977	1387
Left paracentral lobule	-0.001	1.170E-05	0.416	0.977	1411
Left inferior parietal cortex	0.000	1.032E-05	0.355	0.977	1358
Left middle temporal cortex	0.000	1.280E-05	0.615	0.977	1301
Right middle temporal cortex	0.001	1.180E-05	0.454	0.977	1388
Right parahippocampal gyrus	0.001	1.905E-05	0.588	0.977	1411
Left pars triangularis	0.002	1.217E-05	0.982	0.982	1413
Left pars opercularis	0.003	1.122E-05	0.810	0.977	1412



Left lingual gyrus	0.004	9.810E-06	0.935	0.977	1411
Right precentral gyrus	0.004	1.062E-05	0.421	0.977	1378
Left frontal pole	0.008	2.232E-05	0.702	0.977	1413
Right paracentral lobule	0.008	1.164E-05	0.635	0.977	1414
Right temporal pole	0.009	2.833E-05	0.922	0.977	1394
Left temporal pole	0.010	2.621E-05	0.920	0.977	1414
Left banks superior temporal sulcus	0.010	1.365E-05	0.638	0.977	1291
Right inferior parietal cortex	0.011	1.021E-05	0.595	0.977	1376
Right pericalcarine gyrus	0.011	1.006E-05	0.982	0.982	1398
Left caudal middle frontal gyrus	0.012	1.155E-05	0.920	0.977	1400
Left transverse temporal cortex	0.012	1.633E-05	0.601	0.977	1414
Right supramarginal gyrus	0.013	1.130E-05	0.857	0.977	1322
Right caudal middle frontal gyrus	0.013	1.186E-05	0.892	0.977	1407
Left inferior temporal cortex	0.017	1.221E-05	0.701	0.977	1392
Left rostral anterior cingulate cortex	0.018	1.911E-05	0.382	0.977	1394
Left superior frontal cortex	0.020	1.164E-05	0.368	0.977	1367
Right superior parietal cortex	0.020	9.211E-06	0.713	0.977	1389
Left superior temporal cortex	0.020	1.316E-05	0.846	0.977	1258
Right posterior cingulate cortex	0.021	1.240E-05	0.384	0.977	1413
Right precuneus	0.021	1.023E-05	0.920	0.977	1412
Left insula	0.021	1.295E-05	0.494	0.977	1394
Right pars opercularis	0.023	1.219E-05	0.708	0.977	1399
Left superior parietal cortex	0.024	8.931E-06	0.820	0.977	1393
Left cortical thickness	0.025	7.426E-06	0.861	0.977	1419
Left fusiform gyrus	0.025	1.086E-05	0.904	0.977	1410
Right frontal pole	0.026	2.254E-05	0.287	0.977	1416
Left isthmus cingulate cortex	0.027	1.570E-05	0.445	0.977	1413
Right cortical thickness	0.028	7.502E-06	0.791	0.977	1416
Right pars triangularis	0.030	1.209E-05	0.412	0.977	1392
Right inferior temporal cortex	0.032	1.234E-05	0.686	0.977	1409
Right cuneus	0.032	1.051E-05	0.614	0.977	1385

<b>Right superior frontal cortex</b>	0.033	1.132E-05	0.079	0.644	1399
<b>Right rostral middle frontal gyrus</b>	0.033	9.922E-06	0.103	0.723	1414
<b>Right lateral orbitofrontal cortex</b>	0.033	1.271E-05	0.213	0.977	1418
<b>Right isthmus cingulate cortex</b>	0.036	1.495E-05	0.197	0.977	1418
<b>Right fusiform gyrus</b>	0.037	1.084E-05	0.981	0.982	1391
<b>Right insula</b>	0.041	1.381E-05	0.264	0.977	1384
<b>Left rostral middle frontal gyrus</b>	0.042	1.019E-05	0.047	0.546	1407
<b>Left entorhinal cortex</b>	0.047	2.836E-05	0.200	0.977	1307
<b>Right lateral occipital cortex</b>	0.051	1.033E-05	0.346	0.977	1403
<b>Left lateral occipital cortex</b>	0.059	1.015E-05	0.251	0.977	1403
<b>Left lateral orbitofrontal cortex</b>	0.065	1.256E-05	0.016	0.538	1415
<b>Right entorhinal cortex</b>	0.094	3.059E-05	0.008	0.538	1264

**TABLE S37b:** Full mega-analytic results for surface area of each structure for the age of onset squared regression analysis in adult OCD patients, controlling for age, sex, scan center and ICV. Correlation coefficient Pearsons r is reported.

	<b>Cohen's d (AO<sup>2</sup>)</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
<b>Left frontal pole</b>	-0.089	0.002	0.004	0.129	1412
<b>Left caudal middle frontal gyrus</b>	-0.078	0.024	0.003	0.129	1399
<b>Right superior frontal cortex</b>	-0.070	0.044	0.016	0.156	1398
<b>Left medial orbitofrontal cortex</b>	-0.063	0.015	0.012	0.156	1410
<b>Right caudal middle frontal gyrus</b>	-0.058	0.024	0.034	0.261	1406
<b>Right superior temporal cortex</b>	-0.057	0.023	0.014	0.156	1303
<b>Right surface area</b>	-0.054	0.343	0.009	1.000	1416
<b>Right postcentral gyrus</b>	-0.053	0.027	0.034	0.261	1395
<b>Left insula</b>	-0.053	0.014	0.012	0.156	1393
<b>Right pars opercularis</b>	-0.052	0.016	0.042	0.262	1399
<b>Right insula</b>	-0.047	0.015	0.016	0.156	1383
<b>Left pars opercularis</b>	-0.043	0.018	0.053	0.303	1411
<b>Right precentral gyrus</b>	-0.042	0.033	0.118	0.402	1377
<b>Left postcentral gyrus</b>	-0.042	0.029	0.074	0.314	1387
<b>Left surface area</b>	-0.042	0.340	0.026	1.000	1418
<b>Right caudal anterior cingulate cortex</b>	-0.040	0.010	0.084	0.316	1402
<b>Left isthmus cingulate cortex</b>	-0.039	0.011	0.183	0.430	1412
<b>Right isthmus cingulate cortex</b>	-0.039	0.010	0.171	0.430	1417
<b>Left lateral orbitofrontal cortex</b>	-0.039	0.017	0.072	0.314	1414
<b>Right banks superior temporal sulcus</b>	-0.037	0.010	0.040	0.262	1322
<b>Right medial orbitofrontal cortex</b>	-0.036	0.012	0.068	0.314	1408
<b>Right rostral middle frontal gyrus</b>	-0.034	0.041	0.079	0.314	1413
<b>Left paracentral lobule</b>	-0.034	0.012	0.399	0.604	1410
<b>Right lateral orbitofrontal cortex</b>	-0.034	0.018	0.178	0.430	1417
<b>Right entorhinal cortex</b>	-0.033	0.006	0.276	0.539	1263
<b>Left rostral middle frontal gyrus</b>	-0.032	0.041	0.096	0.342	1406
<b>Left superior temporal cortex</b>	-0.032	0.026	0.147	0.417	1257

Right lateral occipital cortex	-0.029	0.035	0.210	0.475	1402
Right middle temporal cortex	-0.029	0.023	0.070	0.314	1388
Left caudal anterior cingulate cortex	-0.027	0.009	0.244	0.518	1393
Right pars triangularis	-0.027	0.016	0.162	0.430	1391
Left lateral occipital cortex	-0.027	0.033	0.240	0.518	1402
Right superior parietal cortex	-0.027	0.037	0.253	0.521	1388
Left inferior parietal cortex	-0.024	0.039	0.146	0.417	1357
Left middle temporal cortex	-0.023	0.024	0.177	0.430	1300
Right frontal pole	-0.023	0.003	0.597	0.739	1415
Right precuneus	-0.023	0.028	0.302	0.543	1411
Left superior frontal cortex	-0.021	0.044	0.497	0.676	1366
Left pars triangularis	-0.020	0.013	0.285	0.539	1412
Left lingual gyrus	-0.019	0.026	0.144	0.417	1410
Right lingual gyrus	-0.019	0.025	0.135	0.417	1412
Right fusiform gyrus	-0.019	0.025	0.320	0.558	1390
Right posterior cingulate cortex	-0.018	0.012	0.365	0.589	1412
Left banks superior temporal sulcus	-0.018	0.011	0.338	0.561	1290
Left precuneus	-0.018	0.026	0.303	0.543	1414
Right paracentral lobule	-0.017	0.014	0.687	0.778	1413
Left rostral anterior cingulate cortex	-0.016	0.009	0.334	0.561	1393
Left inferior temporal cortex	-0.016	0.028	0.285	0.539	1391
Left precentral gyrus	-0.016	0.030	0.516	0.676	1392
Left pars orbitalis	-0.014	0.005	0.527	0.676	1411
Right parahippocampal gyrus	-0.011	0.007	0.525	0.676	1410
Left entorhinal cortex	-0.008	0.005	0.762	0.823	1307
Right inferior parietal cortex	-0.006	0.043	0.468	0.676	1375
Left parahippocampal gyrus	-0.005	0.007	0.675	0.778	1409
Left cuneus	-0.003	0.013	0.496	0.676	1386
Right rostral anterior cingulate cortex	-0.001	0.009	0.742	0.814	1396
Right inferior temporal cortex	0.003	0.028	0.579	0.729	1408
Left superior parietal cortex	0.003	0.038	0.987	0.988	1392

<b>Left fusiform gyrus</b>	0.003	0.026	0.832	0.857	1409
<b>Left supramarginal gyrus</b>	0.003	0.034	0.742	0.814	1297
<b>Left transverse temporal cortex</b>	0.004	0.005	0.819	0.857	1413
<b>Right supramarginal gyrus</b>	0.006	0.033	0.988	0.988	1321
<b>Left pericalcarine gyrus</b>	0.009	0.015	0.618	0.743	1402
<b>Left temporal pole</b>	0.011	0.004	0.629	0.743	1413
<b>Right pars orbitalis</b>	0.012	0.007	0.817	0.857	1415
<b>Right pericalcarine gyrus</b>	0.017	0.016	0.634	0.743	1397
<b>Right temporal pole</b>	0.022	0.004	0.381	0.589	1393
<b>Right transverse temporal cortex</b>	0.027	0.004	0.467	0.676	1416
<b>Left posterior cingulate cortex</b>	0.028	0.011	0.378	0.589	1412
<b>Right cuneus</b>	0.035	0.013	0.481	0.676	1384

**TABLE S38a:** Full mega-analytic results for the cortical thickness of each structure for the age of onset squared regression analysis in pediatric OCD patients, controlling for age, sex and scan center. Correlation coefficient Pearsons r is reported.

	<b>Cohen's d (AO<sup>2</sup>)</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
<b>Left transverse temporal cortex</b>	-0.174	2.777E-04	0.004	0.228	289
<b>Right lateral occipital cortex</b>	-0.158	1.571E-04	0.009	0.228	286
<b>Left fusiform gyrus</b>	-0.155	1.810E-04	0.010	0.228	286
<b>Right inferior parietal cortex</b>	-0.136	1.940E-04	0.026	0.370	275
<b>Right pars opercularis</b>	-0.136	2.229E-04	0.025	0.370	283
<b>Right cuneus</b>	-0.127	2.007E-04	0.035	0.372	286
<b>Left middle temporal cortex</b>	-0.124	2.392E-04	0.045	0.372	272
<b>Left inferior parietal cortex</b>	-0.120	1.903E-04	0.053	0.372	269
<b>Right inferior temporal cortex</b>	-0.116	2.214E-04	0.057	0.372	278
<b>Left cuneus</b>	-0.116	1.673E-04	0.054	0.372	285
<b>Left cortical thickness</b>	-0.113	1.308E-04	0.059	0.372	289
<b>Right cortical thickness</b>	-0.111	1.306E-04	0.065	0.379	289
<b>Left lingual gyrus</b>	-0.107	1.668E-04	0.077	0.413	286
<b>Left inferior temporal cortex</b>	-0.104	2.397E-04	0.087	0.413	280
<b>Left banks superior temporal sulcus</b>	-0.103	2.512E-04	0.110	0.428	253
<b>Left postcentral gyrus</b>	-0.103	1.648E-04	0.095	0.413	275
<b>Left pars opercularis</b>	-0.100	2.150E-04	0.099	0.413	282
<b>Left lateral orbitofrontal cortex</b>	-0.099	2.328E-04	0.100	0.413	288
<b>Right supramarginal gyrus</b>	-0.097	1.956E-04	0.117	0.430	274
<b>Left supramarginal gyrus</b>	-0.088	2.001E-04	0.159	0.506	266
<b>Right middle temporal cortex</b>	-0.086	2.346E-04	0.161	0.506	277
<b>Left precuneus</b>	-0.085	1.911E-04	0.160	0.506	285
<b>Left superior temporal cortex</b>	-0.085	2.263E-04	0.178	0.506	264
<b>Left superior parietal cortex</b>	-0.080	1.773E-04	0.188	0.506	285
<b>Left insula</b>	-0.079	2.133E-04	0.194	0.506	280
<b>Right fusiform gyrus</b>	-0.078	1.791E-04	0.200	0.506	284
<b>Right pars triangularis</b>	-0.077	2.349E-04	0.201	0.506	286

Right caudal middle frontal gyrus	-0.077	2.433E-04	0.207	0.506	284
Right postcentral gyrus	-0.076	1.612E-04	0.214	0.506	278
Left lateral occipital cortex	-0.075	1.601E-04	0.217	0.506	286
Left pericalcarine gyrus	-0.069	1.884E-04	0.251	0.547	285
Left pars triangularis	-0.069	2.323E-04	0.257	0.547	285
Right parahippocampal gyrus	-0.068	3.608E-04	0.258	0.547	285
Right rostral middle frontal gyrus	-0.065	2.003E-04	0.280	0.577	286
Left rostral middle frontal gyrus	-0.061	1.949E-04	0.307	0.582	288
Right insula	-0.061	2.253E-04	0.318	0.582	276
Right lateral orbitofrontal cortex	-0.061	2.157E-04	0.314	0.582	289
Right pars orbitalis	-0.060	2.968E-04	0.321	0.582	286
Right banks superior temporal sulcus	-0.060	2.628E-04	0.340	0.582	267
Left paracentral lobule	-0.058	2.212E-04	0.337	0.582	286
Left medial orbitofrontal cortex	-0.057	2.604E-04	0.350	0.582	284
Left rostral anterior cingulate cortex	-0.056	3.758E-04	0.357	0.582	278
Right precuneus	-0.054	1.899E-04	0.374	0.582	282
Right frontal pole	-0.054	4.391E-04	0.371	0.582	289
Right transverse temporal cortex	-0.054	2.850E-04	0.373	0.582	288
Right medial orbitofrontal cortex	-0.052	2.651E-04	0.396	0.590	283
Right posterior cingulate cortex	-0.051	2.117E-04	0.396	0.590	285
Right superior parietal cortex	-0.049	1.817E-04	0.420	0.610	284
Right caudal anterior cingulate cortex	-0.048	3.480E-04	0.428	0.610	284
Left parahippocampal gyrus	-0.047	3.650E-04	0.436	0.610	285
Right temporal pole	-0.046	5.420E-04	0.445	0.611	285
Left frontal pole	-0.044	4.662E-04	0.463	0.623	287
Right superior frontal cortex	-0.038	2.441E-04	0.539	0.710	279
Left superior frontal cortex	-0.037	2.312E-04	0.548	0.710	280
Right lingual gyrus	-0.034	1.646E-04	0.574	0.717	288
Right paracentral lobule	-0.032	2.181E-04	0.600	0.725	286
Right superior temporal cortex	-0.026	2.310E-04	0.677	0.803	272
Right pericalcarine gyrus	-0.024	1.817E-04	0.688	0.803	287

Left entorhinal cortex	-0.017	4.483E-04	0.783	0.884	260
Left temporal pole	-0.013	5.617E-04	0.824	0.916	284
Right isthmus cingulate cortex	-0.009	2.769E-04	0.880	0.936	284
Left pars orbitalis	-0.009	3.193E-04	0.883	0.936	288
Right rostral anterior cingulate cortex	-0.008	3.567E-04	0.897	0.937	281
Right entorhinal cortex	-0.003	4.622E-04	0.965	0.979	241
Left isthmus cingulate cortex	0.001	2.950E-04	0.992	0.992	284
Left caudal middle frontal gyrus	0.003	2.312E-04	0.962	0.979	288
Left posterior cingulate cortex	0.009	2.365E-04	0.877	0.936	288
Right precentral gyrus	0.018	1.969E-04	0.770	0.883	280
Left caudal anterior cingulate cortex	0.032	3.736E-04	0.600	0.725	282
Left precentral gyrus	0.036	1.817E-04	0.559	0.712	281



**TABLE S38b:** Full mega-analytic results for the surface area of each structure for the age of onset squared regression analysis in pediatric OCD patients, controlling for age, sex, scan center and ICV. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (AO<sup>2</sup>)</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
<b>Left banks superior temporal sulcus</b>	0.074	0.207	0.251	0.959	253
<b>Left caudal anterior cingulate cortex</b>	-0.066	0.169	0.276	0.959	282
<b>Left caudal middle frontal gyrus</b>	0.050	0.414	0.404	0.959	288
<b>Left cuneus</b>	-0.041	0.233	0.495	0.959	285
<b>Left entorhinal cortex</b>	0.030	0.089	0.633	0.959	260
<b>Left fusiform gyrus</b>	-0.019	0.448	0.759	0.995	286
<b>Left inferior parietal cortex</b>	-0.036	0.657	0.561	0.959	269
<b>Left inferior temporal cortex</b>	-0.079	0.496	0.194	0.959	280
<b>Left isthmus cingulate cortex</b>	0.030	0.197	0.624	0.959	284
<b>Left lateral occipital cortex</b>	0.018	0.609	0.768	0.995	286
<b>Left lateral orbitofrontal cortex</b>	0.055	0.356	0.358	0.959	288
<b>Left lingual gyrus</b>	-0.016	0.462	0.796	0.995	286
<b>Left medial orbitofrontal cortex</b>	-0.026	0.273	0.672	0.959	284
<b>Left middle temporal cortex</b>	0.001	0.387	0.987	0.995	272
<b>Left parahippocampal gyrus</b>	0.050	0.121	0.409	0.959	285
<b>Left paracentral lobule</b>	-0.037	0.218	0.542	0.959	286
<b>Left pars opercularis</b>	0.040	0.310	0.515	0.959	282
<b>Left pars orbitalis</b>	0.037	0.097	0.536	0.959	288
<b>Left pars triangularis</b>	0.022	0.226	0.721	0.995	285
<b>Left pericalcarine gyrus</b>	-0.075	0.271	0.218	0.959	285
<b>Left postcentral gyrus</b>	0.007	0.497	0.914	0.995	275
<b>Left posterior cingulate cortex</b>	-0.069	0.206	0.250	0.959	288
<b>Left precentral gyrus</b>	-0.081	0.516	0.183	0.959	281
<b>Left precuneus</b>	0.005	0.499	0.937	0.995	285
<b>Left rostral anterior cingulate cortex</b>	0.038	0.187	0.534	0.959	278
<b>Left rostral middle frontal gyrus</b>	0.005	0.744	0.934	0.995	288
<b>Left superior frontal cortex</b>	0.058	0.764	0.344	0.959	280

Left superior parietal cortex	0.032	0.712	0.593	0.959	285
Left superior temporal cortex	0.144	0.479	0.022	0.959	264
Left supramarginal gyrus	-0.030	0.640	0.628	0.959	266
Left frontal pole	0.096	0.045	0.112	0.959	287
Left temporal pole	0.049	0.081	0.418	0.959	284
Left transverse temporal cortex	0.051	0.088	0.397	0.959	289
Left insula	0.037	0.276	0.546	0.959	280
Right banks superior temporal sulcus	0.035	0.176	0.580	0.959	267
Right caudal anterior cingulate cortex	-0.018	0.168	0.770	0.995	284
Right caudal middle frontal gyrus	0.026	0.419	0.663	0.959	284
Right cuneus	0.032	0.246	0.601	0.959	286
Right entorhinal cortex	-0.005	0.099	0.936	0.995	241
Right fusiform gyrus	0.051	0.419	0.403	0.959	284
Right inferior parietal cortex	0.052	0.757	0.404	0.959	275
Right inferior temporal cortex	-0.047	0.494	0.442	0.959	278
Right isthmus cingulate cortex	0.027	0.179	0.651	0.959	284
Right lateral occipital cortex	-0.004	0.639	0.951	0.995	286
Right lateral orbitofrontal cortex	-0.001	0.350	0.990	0.995	289
Right lingual gyrus	0.035	0.449	0.561	0.959	288
Right medial orbitofrontal cortex	0.036	0.235	0.560	0.959	283
Right middle temporal cortex	-0.062	0.439	0.311	0.959	277
Right parahippocampal gyrus	0.043	0.126	0.476	0.959	285
Right paracentral lobule	0.000	0.266	0.995	0.995	286
Right pars opercularis	0.092	0.256	0.131	0.959	283
Right pars orbitalis	0.054	0.117	0.369	0.959	286
Right pars triangularis	-0.001	0.271	0.983	0.995	286
Right pericalcarine gyrus	-0.006	0.278	0.917	0.995	287
Right postcentral gyrus	0.011	0.508	0.854	0.995	278
Right posterior cingulate cortex	-0.026	0.193	0.663	0.959	285
Right precentral gyrus	-0.009	0.513	0.879	0.995	280
Right precuneus	-0.034	0.530	0.582	0.959	282

<b>Right rostral anterior cingulate cortex</b>	-0.095	0.165	0.119	0.959	281
<b>Right rostral middle frontal gyrus</b>	0.037	0.785	0.536	0.959	286
<b>Right superior frontal cortex</b>	0.087	0.855	0.156	0.959	279
<b>Right superior parietal cortex</b>	-0.038	0.685	0.530	0.959	284
<b>Right superior temporal cortex</b>	0.054	0.437	0.387	0.959	272
<b>Right supramarginal gyrus</b>	-0.002	0.598	0.974	0.995	274
<b>Right frontal pole</b>	0.008	0.054	0.890	0.995	289
<b>Right temporal pole</b>	0.007	0.074	0.902	0.995	285
<b>Right transverse temporal cortex</b>	0.068	0.077	0.260	0.959	288
<b>Right insula</b>	-0.026	0.268	0.677	0.959	276
<b>Left surface area</b>	0.027	6.259	0.654	1.000	289
<b>Right surface area</b>	0.028	6.448	0.644	1.000	289

**TABLE S39a:** Full mega-analytic results for the association between illness duration squared and the cortical thickness of each structure in adult OCD patients, controlling for age, sex and scan center. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (Dur<sup>2</sup>)</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
<b>Right entorhinal cortex</b>	-0.064	3.634E-05	0.023	0.959	1265
<b>Left rostral middle frontal gyrus</b>	-0.044	1.208E-05	0.101	0.959	1408
<b>Left lateral orbitofrontal cortex</b>	-0.044	1.488E-05	0.094	0.959	1416
<b>Right rostral middle frontal gyrus</b>	-0.040	1.185E-05	0.137	0.959	1415
<b>Right frontal pole</b>	-0.037	2.692E-05	0.169	0.968	1417
<b>Left entorhinal cortex</b>	-0.028	3.383E-05	0.323	0.968	1308
<b>Right lateral occipital cortex</b>	-0.027	1.228E-05	0.327	0.968	1404
<b>Right superior frontal cortex</b>	-0.026	1.350E-05	0.339	0.968	1400
<b>Right isthmus cingulate cortex</b>	-0.018	1.786E-05	0.484	0.968	1419
<b>Right pericalcarine gyrus</b>	-0.014	1.198E-05	0.611	0.968	1399
<b>Left superior frontal cortex</b>	-0.012	1.375E-05	0.679	0.968	1368
<b>Left lateral occipital cortex</b>	-0.010	1.209E-05	0.715	0.968	1404
<b>Left isthmus cingulate cortex</b>	-0.010	1.876E-05	0.697	0.968	1414
<b>Right superior parietal cortex</b>	-0.008	1.098E-05	0.770	0.968	1390
<b>Left rostral anterior cingulate cortex</b>	-0.007	2.276E-05	0.797	0.968	1395
<b>Left transverse temporal cortex</b>	-0.006	1.950E-05	0.835	0.972	1415
<b>Right lingual gyrus</b>	-0.003	1.139E-05	0.899	0.972	1414
<b>Left superior parietal cortex</b>	-0.002	1.068E-05	0.937	0.972	1394
<b>Right inferior temporal cortex</b>	-0.001	1.458E-05	0.972	0.972	1410
<b>Left frontal pole</b>	-0.001	2.665E-05	0.967	0.972	1414
<b>Left temporal pole</b>	0.002	3.131E-05	0.959	0.972	1415
<b>Right lateral orbitofrontal cortex</b>	0.002	1.520E-05	0.954	0.972	1419
<b>Right temporal pole</b>	0.002	3.384E-05	0.923	0.972	1394
<b>Right paracentral lobule</b>	0.003	1.389E-05	0.926	0.972	1415
<b>Left inferior temporal cortex</b>	0.004	1.463E-05	0.889	0.972	1393
<b>Left pars orbitalis</b>	0.005	1.951E-05	0.852	0.972	1413
<b>Right inferior parietal cortex</b>	0.006	1.238E-05	0.829	0.972	1377

Left cortical thickness	0.007	8.868E-06	0.802	0.968	1420
Left caudal middle frontal gyrus	0.007	1.383E-05	0.799	0.968	1401
Right medial orbitofrontal cortex	0.008	1.696E-05	0.763	0.968	1409
Right cuneus	0.009	1.244E-05	0.744	0.968	1386
Left parahippocampal gyrus	0.010	2.776E-05	0.729	0.968	1411
Left lingual gyrus	0.010	1.172E-05	0.716	0.968	1412
Left postcentral gyrus	0.010	1.072E-05	0.704	0.968	1389
Left pericalcarine gyrus	0.011	1.196E-05	0.685	0.968	1404
Right fusiform gyrus	0.011	1.287E-05	0.692	0.968	1392
Right cortical thickness	0.012	8.961E-06	0.663	0.968	1417
Left fusiform gyrus	0.012	1.297E-05	0.656	0.968	1411
Left caudal anterior cingulate cortex	0.012	2.634E-05	0.652	0.968	1395
Left insula	0.012	1.575E-05	0.660	0.968	1395
Left cuneus	0.013	1.200E-05	0.638	0.968	1388
Right precuneus	0.013	1.222E-05	0.629	0.968	1413
Right parahippocampal gyrus	0.013	2.277E-05	0.632	0.968	1412
Left middle temporal cortex	0.013	1.521E-05	0.620	0.968	1302
Left banks superior temporal sulcus	0.014	1.613E-05	0.628	0.968	1292
Right pars opercularis	0.016	1.444E-05	0.550	0.968	1400
Left pars triangularis	0.017	1.458E-05	0.529	0.968	1414
Right posterior cingulate cortex	0.019	1.480E-05	0.475	0.968	1414
Right caudal middle frontal gyrus	0.021	1.412E-05	0.442	0.968	1408
Left medial orbitofrontal cortex	0.022	1.577E-05	0.409	0.968	1412
Right insula	0.023	1.670E-05	0.407	0.968	1385
Right pars triangularis	0.023	1.447E-05	0.392	0.968	1393
Right supramarginal gyrus	0.023	1.377E-05	0.400	0.968	1323
Left pars opercularis	0.024	1.340E-05	0.385	0.968	1413
Left paracentral lobule	0.024	1.398E-05	0.374	0.968	1412
Right rostral anterior cingulate cortex	0.025	2.225E-05	0.361	0.968	1397
Right middle temporal cortex	0.026	1.409E-05	0.347	0.968	1389
Right pars orbitalis	0.026	1.935E-05	0.331	0.968	1417

<b>Left superior temporal cortex</b>	0.028	1.552E-05	0.335	0.968	1259
<b>Left inferior parietal cortex</b>	0.030	1.238E-05	0.274	0.968	1359
<b>Right precentral gyrus</b>	0.032	1.281E-05	0.239	0.968	1379
<b>Left precuneus</b>	0.033	1.206E-05	0.226	0.968	1416
<b>Left precentral gyrus</b>	0.036	1.225E-05	0.183	0.968	1394
<b>Left posterior cingulate cortex</b>	0.037	1.460E-05	0.173	0.968	1414
<b>Right caudal anterior cingulate cortex</b>	0.041	2.281E-05	0.127	0.959	1404
<b>Left supramarginal gyrus</b>	0.044	1.370E-05	0.116	0.959	1299
<b>Right banks superior temporal sulcus</b>	0.049	1.696E-05	0.083	0.959	1324
<b>Right transverse temporal cortex</b>	0.052	1.907E-05	0.055	0.959	1418
<b>Right postcentral gyrus</b>	0.052	1.076E-05	0.055	0.959	1397
<b>Right superior temporal cortex</b>	0.060	1.510E-05	0.034	0.959	1305

**TABLE S39b:** Full mega-analytic results for the association between illness duration squared and the surface area of each structure in adult OCD patients, controlling for age, sex, scan center and ICV. Correlation coefficient Pearsons r is reported.

	Pearson's r (Dur <sup>2</sup> )	Standard error	P-value	FDR P-value	N patients
Right temporal pole	-0.021	0.005	0.422	0.573	1393
Left rostral anterior cingulate cortex	-0.020	0.011	0.646	0.732	1394
Right pericalcarine gyrus	-0.015	0.019	0.739	0.824	1398
Left posterior cingulate cortex	-0.005	0.013	0.970	0.972	1413
Left pericalcarine gyrus	-0.003	0.017	0.579	0.690	1403
Left parahippocampal gyrus	-0.002	0.009	0.921	0.949	1410
Right transverse temporal cortex	-0.002	0.005	0.856	0.909	1417
Left superior parietal cortex	-0.001	0.046	0.972	0.972	1393
Left fusiform gyrus	0.001	0.031	0.771	0.845	1410
Right cuneus	0.002	0.016	0.577	0.690	1385
Left entorhinal cortex	0.005	0.007	0.854	0.909	1308
Left temporal pole	0.005	0.005	0.888	0.929	1414
Right parahippocampal gyrus	0.008	0.008	0.620	0.715	1411
Left middle temporal cortex	0.009	0.028	0.456	0.607	1301
Left supramarginal gyrus	0.010	0.041	0.497	0.626	1298
Right inferior parietal cortex	0.010	0.053	0.464	0.607	1376
Left cuneus	0.011	0.016	0.385	0.546	1387
Right inferior temporal cortex	0.011	0.033	0.362	0.536	1409
Right supramarginal gyrus	0.014	0.040	0.520	0.643	1322
Left transverse temporal cortex	0.016	0.006	0.380	0.546	1414
Left caudal anterior cingulate cortex	0.016	0.011	0.474	0.608	1394
Right lateral occipital cortex	0.018	0.042	0.420	0.573	1403
Right paracentral lobule	0.019	0.017	0.604	0.709	1414
Left lingual gyrus	0.021	0.031	0.164	0.352	1411
Left inferior temporal cortex	0.023	0.034	0.208	0.382	1392
Left inferior parietal cortex	0.023	0.047	0.190	0.369	1358
Left precentral gyrus	0.024	0.037	0.342	0.516	1393

Right rostral anterior cingulate cortex	0.025	0.011	0.249	0.413	1397
Right pars orbitalis	0.025	0.008	0.268	0.425	1416
Right banks superior temporal sulcus	0.027	0.011	0.144	0.350	1323
Right superior parietal cortex	0.027	0.044	0.259	0.420	1389
Right precuneus	0.027	0.033	0.242	0.413	1412
Right lingual gyrus	0.028	0.030	0.088	0.287	1413
Right entorhinal cortex	0.029	0.008	0.333	0.514	1264
Right lateral orbitofrontal cortex	0.030	0.022	0.238	0.413	1418
Right fusiform gyrus	0.030	0.029	0.176	0.352	1391
Left pars triangularis	0.031	0.015	0.164	0.352	1413
Right medial orbitofrontal cortex	0.032	0.015	0.119	0.310	1409
Right posterior cingulate cortex	0.033	0.014	0.160	0.352	1413
Left rostral middle frontal gyrus	0.035	0.048	0.099	0.304	1407
Left precuneus	0.035	0.031	0.112	0.304	1415
Right middle temporal cortex	0.036	0.028	0.055	0.232	1389
Left lateral orbitofrontal cortex	0.036	0.020	0.103	0.304	1415
Left superior frontal cortex	0.037	0.053	0.207	0.382	1367
Right precentral gyrus	0.037	0.040	0.172	0.352	1378
Right frontal pole	0.038	0.004	0.248	0.413	1416
Left pars orbitalis	0.040	0.006	0.109	0.304	1412
Right isthmus cingulate cortex	0.041	0.012	0.141	0.350	1418
Right rostral middle frontal gyrus	0.042	0.049	0.052	0.232	1414
Left banks superior temporal sulcus	0.043	0.014	0.065	0.246	1291
Left lateral occipital cortex	0.044	0.040	0.076	0.259	1403
Left pars opercularis	0.045	0.021	0.051	0.232	1412
Left superior temporal cortex	0.045	0.031	0.072	0.258	1258
Left paracentral lobule	0.046	0.014	0.174	0.352	1411
Left insula	0.047	0.017	0.035	0.232	1394
Right pars opercularis	0.050	0.019	0.054	0.232	1400
Right caudal anterior cingulate cortex	0.051	0.012	0.036	0.232	1403
Right postcentral gyrus	0.052	0.033	0.040	0.232	1396



<b>Right caudal middle frontal gyrus</b>	0.054	0.029	0.048	0.232	1407
<b>Left surface area</b>	0.054	0.406	0.011	1.000	1419
<b>Right superior frontal cortex</b>	0.054	0.052	0.060	0.239	1399
<b>Left medial orbitofrontal cortex</b>	0.059	0.018	0.020	0.191	1411
<b>Left isthmus cingulate cortex</b>	0.061	0.013	0.030	0.232	1413
<b>Left postcentral gyrus</b>	0.062	0.035	0.014	0.159	1388
<b>Right surface area</b>	0.062	0.411	0.005	1.000	1417
<b>Right pars triangularis</b>	0.064	0.019	0.007	0.107	1392
<b>Right insula</b>	0.064	0.019	0.004	0.107	1384
<b>Right superior temporal cortex</b>	0.071	0.027	0.005	0.107	1304
<b>Left caudal middle frontal gyrus</b>	0.071	0.028	0.007	0.107	1400
<b>Left frontal pole</b>	0.080	0.003	0.008	0.107	1413

**TABLE S40a:** Full mega-analytic results for the association between illness squared duration and the cortical thickness of each structure in pediatric OCD patients, controlling for age, sex and scan center. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (Dur<sup>2</sup>)</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
Left entorhinal cortex	-0.038	8.245E-04	0.549	0.752	260
Left precentral gyrus	-0.025	3.339E-04	0.680	0.846	281
Left posterior cingulate cortex	-0.024	4.332E-04	0.686	0.846	288
Right precentral gyrus	-0.022	3.601E-04	0.718	0.851	280
Right superior parietal cortex	-0.018	3.354E-04	0.765	0.878	284
Right entorhinal cortex	-0.014	8.641E-04	0.835	0.905	241
Left caudal anterior cingulate cortex	-0.007	6.842E-04	0.904	0.931	282
Right pericalcarine gyrus	-0.004	3.331E-04	0.944	0.958	287
Left caudal middle frontal gyrus	-0.003	4.242E-04	0.965	0.965	288
Left rostral anterior cingulate cortex	0.010	6.831E-04	0.868	0.906	278
Right rostral anterior cingulate cortex	0.011	6.596E-04	0.853	0.905	281
Right medial orbitofrontal cortex	0.012	4.889E-04	0.849	0.905	283
Right lingual gyrus	0.015	3.017E-04	0.807	0.897	288
Left temporal pole	0.017	1.061E-03	0.784	0.885	284
Left parahippocampal gyrus	0.019	6.709E-04	0.759	0.878	285
Left pars orbitalis	0.023	5.851E-04	0.708	0.851	288
Left superior frontal cortex	0.024	4.243E-04	0.689	0.846	280
Left isthmus cingulate cortex	0.027	5.386E-04	0.658	0.846	284
Right transverse temporal cortex	0.030	5.226E-04	0.614	0.811	288
Left paracentral lobule	0.035	4.054E-04	0.558	0.752	286
Left pericalcarine gyrus	0.037	3.449E-04	0.538	0.752	285
Left lateral occipital cortex	0.039	2.941E-04	0.523	0.747	286
Left medial orbitofrontal cortex	0.042	4.707E-04	0.491	0.717	284
Left lingual gyrus	0.043	3.076E-04	0.480	0.716	286
Right supramarginal gyrus	0.048	3.697E-04	0.436	0.664	274
Right precuneus	0.048	3.436E-04	0.429	0.664	282
Right isthmus cingulate cortex	0.049	5.025E-04	0.416	0.661	284

Right parahippocampal gyrus	0.052	6.620E-04	0.393	0.640	285
Right middle temporal cortex	0.053	4.302E-04	0.391	0.640	277
Right posterior cingulate cortex	0.053	3.857E-04	0.383	0.640	285
Right caudal anterior cingulate cortex	0.053	6.400E-04	0.378	0.640	284
Right lateral orbitofrontal cortex	0.055	3.955E-04	0.358	0.640	289
Right paracentral lobule	0.057	3.990E-04	0.345	0.635	286
Left superior parietal cortex	0.058	3.255E-04	0.339	0.635	285
Right superior temporal cortex	0.060	4.268E-04	0.334	0.635	272
Right postcentral gyrus	0.062	2.976E-04	0.314	0.627	278
Right frontal pole	0.062	8.046E-04	0.301	0.620	289
Left pars triangularis	0.063	4.246E-04	0.297	0.620	285
Left pars opercularis	0.066	3.941E-04	0.279	0.609	282
Left cuneus	0.066	3.073E-04	0.273	0.609	285
Left precuneus	0.068	3.498E-04	0.263	0.609	285
Right fusiform gyrus	0.068	3.291E-04	0.262	0.609	284
Right superior frontal cortex	0.068	4.502E-04	0.266	0.609	279
Left rostral middle frontal gyrus	0.071	3.542E-04	0.240	0.609	288
Right banks superior temporal sulcus	0.077	4.775E-04	0.217	0.583	267
Right insula	0.079	4.375E-04	0.200	0.561	276
Right inferior parietal cortex	0.081	3.667E-04	0.188	0.547	275
Left insula	0.081	3.970E-04	0.183	0.547	280
Right temporal pole	0.082	9.901E-04	0.174	0.547	285
Left supramarginal gyrus	0.083	3.773E-04	0.184	0.547	266
Left postcentral gyrus	0.085	3.014E-04	0.168	0.547	275
Left frontal pole	0.091	8.517E-04	0.133	0.489	287
Right lateral occipital cortex	0.091	2.904E-04	0.130	0.489	286
Right cuneus	0.092	3.692E-04	0.127	0.489	286
Right rostral middle frontal gyrus	0.097	3.678E-04	0.107	0.467	286
Left fusiform gyrus	0.101	3.469E-04	0.093	0.454	286
Left cortical thickness	0.101	2.401E-04	0.091	0.454	289
Left inferior parietal cortex	0.103	3.602E-04	0.097	0.454	269

<b>Right pars orbitalis</b>	0.106	5.453E-04	0.080	0.454	286
<b>Right cortical thickness</b>	0.106	2.395E-04	0.077	0.454	289
<b>Right pars opercularis</b>	0.109	4.082E-04	0.071	0.454	283
<b>Right pars triangularis</b>	0.113	4.289E-04	0.060	0.454	286
<b>Right caudal middle frontal gyrus</b>	0.114	4.438E-04	0.059	0.454	284
<b>Left banks superior temporal sulcus</b>	0.119	4.572E-04	0.065	0.454	253
<b>Left superior temporal cortex</b>	0.127	4.209E-04	0.044	0.454	264
<b>Left lateral orbitofrontal cortex</b>	0.129	4.263E-04	0.032	0.444	288
<b>Left inferior temporal cortex</b>	0.135	4.560E-04	0.026	0.444	280
<b>Left middle temporal cortex</b>	0.154	4.336E-04	0.013	0.296	272
<b>Left transverse temporal cortex</b>	0.164	5.099E-04	0.006	0.216	289
<b>Right inferior temporal cortex</b>	0.187	4.025E-04	0.002	0.150	278

**TABLE S40b:** Full mega-analytic results for the association between illness duration squared and the surface area of each structure in pediatric OCD patients, controlling for age, sex, scan center and ICV. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (Dur<sup>2</sup>)</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
Left frontal pole	-0.143	0.082	0.017	0.866	287
Left superior temporal cortex	-0.109	0.899	0.085	0.866	264
Left entorhinal cortex	-0.103	0.163	0.104	0.866	260
Right transverse temporal cortex	-0.093	0.140	0.124	0.866	288
Right banks superior temporal sulcus	-0.081	0.319	0.196	0.866	267
Left rostral anterior cingulate cortex	-0.077	0.338	0.212	0.866	278
Left lateral orbitofrontal cortex	-0.068	0.655	0.259	0.866	288
Left isthmus cingulate cortex	-0.064	0.359	0.293	0.866	284
Left transverse temporal cortex	-0.063	0.160	0.298	0.866	289
Left superior parietal cortex	-0.062	1.304	0.309	0.866	285
Right superior frontal cortex	-0.061	1.582	0.318	0.866	279
Right rostral middle frontal gyrus	-0.059	1.443	0.334	0.866	286
Left temporal pole	-0.055	0.152	0.365	0.866	284
Left banks superior temporal sulcus	-0.052	0.378	0.419	0.866	253
Right inferior parietal cortex	-0.049	1.422	0.429	0.866	275
Right postcentral gyrus	-0.047	0.937	0.444	0.866	278
Right isthmus cingulate cortex	-0.046	0.324	0.450	0.866	284
Left caudal middle frontal gyrus	-0.045	0.760	0.451	0.866	288
Right temporal pole	-0.045	0.136	0.460	0.866	285
Left precuneus	-0.042	0.911	0.486	0.866	285
Right pars opercularis	-0.042	0.469	0.491	0.866	283
Left middle temporal cortex	-0.041	0.704	0.509	0.866	272
Left postcentral gyrus	-0.040	0.907	0.517	0.866	275
Right superior temporal cortex	-0.040	0.810	0.523	0.866	272
Left insula	-0.040	0.514	0.517	0.866	280
Left superior frontal cortex	-0.039	1.403	0.522	0.866	280
Right lingual gyrus	-0.038	0.823	0.529	0.866	288

Left pars opercularis	-0.037	0.568	0.545	0.866	282
Right medial orbitofrontal cortex	-0.037	0.432	0.548	0.866	283
Left surface area	-0.036	11.472	0.547	1.000	289
Right caudal middle frontal gyrus	-0.031	0.766	0.615	0.930	284
Right fusiform gyrus	-0.025	0.770	0.678	0.968	284
Right surface area	-0.024	11.823	0.690	1.000	289
Left parahippocampal gyrus	-0.023	0.223	0.703	0.968	285
Left pars triangularis	-0.017	0.413	0.778	0.968	285
Right caudal anterior cingulate cortex	-0.017	0.309	0.784	0.968	284
Right precuneus	-0.012	0.960	0.850	0.968	282
Right frontal pole	-0.010	0.098	0.869	0.968	289
Left rostral middle frontal gyrus	-0.007	1.353	0.913	0.972	288
Left lingual gyrus	-0.007	0.848	0.914	0.972	286
Left pars orbitalis	-0.006	0.177	0.925	0.972	288
Right pars orbitalis	-0.004	0.216	0.946	0.975	286
Left fusiform gyrus	0.000	0.854	1.000	1.000	286
Right cuneus	0.003	0.450	0.964	0.979	286
Right parahippocampal gyrus	0.005	0.231	0.929	0.972	285
Right inferior temporal cortex	0.011	0.909	0.855	0.968	278
Left supramarginal gyrus	0.012	1.207	0.852	0.968	266
Right lateral orbitofrontal cortex	0.013	0.642	0.833	0.968	289
Right pericalcarine gyrus	0.014	0.509	0.822	0.968	287
Right middle temporal cortex	0.014	0.805	0.820	0.968	277
Right supramarginal gyrus	0.018	1.126	0.775	0.968	274
Left medial orbitofrontal cortex	0.020	0.493	0.739	0.968	284
Right pars triangularis	0.021	0.496	0.729	0.968	286
Right entorhinal cortex	0.025	0.185	0.701	0.968	241
Right superior parietal cortex	0.028	1.265	0.640	0.947	284
Left inferior parietal cortex	0.034	1.241	0.591	0.914	269
Right precentral gyrus	0.038	0.937	0.535	0.866	280
Left lateral occipital cortex	0.038	1.115	0.528	0.866	286

<b>Right posterior cingulate cortex</b>	0.039	0.352	0.525	0.866	285
<b>Right insula</b>	0.040	0.521	0.513	0.866	276
<b>Right paracentral lobule</b>	0.045	0.486	0.455	0.866	286
<b>Right lateral occipital cortex</b>	0.052	1.170	0.390	0.866	286
<b>Left cuneus</b>	0.057	0.426	0.348	0.866	285
<b>Left posterior cingulate cortex</b>	0.065	0.378	0.281	0.866	288
<b>Left precentral gyrus</b>	0.066	0.950	0.282	0.866	281
<b>Left pericalcarine gyrus</b>	0.071	0.495	0.241	0.866	285
<b>Left inferior temporal cortex</b>	0.080	0.948	0.192	0.866	280
<b>Left paracentral lobule</b>	0.083	0.398	0.171	0.866	286
<b>Left caudal anterior cingulate cortex</b>	0.094	0.309	0.123	0.866	282
<b>Right rostral anterior cingulate cortex</b>	0.099	0.305	0.105	0.866	281

**TABLE S41a:** Full mega-analytic results for the association between illness severity squared and the cortical thickness of each structure in adult OCD patients based on the YBOCS, controlling for age, sex and scan center. Correlation coefficient Pearsons r is reported.

	Pearson's r (YBOCS <sup>2</sup> )	Standard error	P-value	FDR P-value	N patients
Right pericalcarine gyrus	-0.066	1.146E-05	0.013	0.753	1433
Right parahippocampal gyrus	-0.061	2.194E-05	0.022	0.753	1443
Left pericalcarine gyrus	-0.055	1.156E-05	0.038	0.879	1437
Left postcentral gyrus	-0.050	1.023E-05	0.061	0.879	1421
Right transverse temporal cortex	-0.041	1.825E-05	0.118	0.894	1451
Left parahippocampal gyrus	-0.039	2.701E-05	0.137	0.894	1446
Left lingual gyrus	-0.038	1.127E-05	0.148	0.894	1445
Left cuneus	-0.038	1.157E-05	0.159	0.894	1420
Left inferior parietal cortex	-0.037	1.190E-05	0.175	0.894	1392
Left supramarginal gyrus	-0.036	1.308E-05	0.192	0.894	1326
Right frontal pole	-0.033	2.582E-05	0.217	0.894	1450
Right postcentral gyrus	-0.032	1.032E-05	0.236	0.894	1429
Left insula	-0.031	1.481E-05	0.245	0.894	1427
Left caudal middle frontal gyrus	-0.031	1.327E-05	0.253	0.894	1433
Left transverse temporal cortex	-0.030	1.901E-05	0.256	0.894	1448
Left middle temporal cortex	-0.027	1.452E-05	0.336	0.894	1330
Right precuneus	-0.027	1.182E-05	0.317	0.894	1446
Left frontal pole	-0.027	2.567E-05	0.317	0.894	1445
Left paracentral lobule	-0.025	1.356E-05	0.345	0.894	1445
Right banks superior temporal sulcus	-0.025	1.588E-05	0.366	0.904	1351
Left superior temporal cortex	-0.019	1.522E-05	0.491	0.958	1295
Right cuneus	-0.019	1.191E-05	0.471	0.958	1419
Left cortical thickness	-0.019	8.558E-06	0.473	0.958	1453
Right lateral occipital cortex	-0.017	1.195E-05	0.529	0.958	1434
Left precuneus	-0.015	1.158E-05	0.566	0.958	1448
Left lateral occipital cortex	-0.013	1.173E-05	0.618	0.958	1435
Right pars triangularis	-0.013	1.393E-05	0.630	0.958	1420



Right paracentral lobule	-0.013	1.336E-05	0.628	0.958	1449
Right insula	-0.012	1.571E-05	0.652	0.958	1418
Right precentral gyrus	-0.012	1.205E-05	0.659	0.958	1412
Left posterior cingulate cortex	-0.012	1.394E-05	0.654	0.958	1448
Left medial orbitofrontal cortex	-0.012	1.497E-05	0.660	0.958	1445
Right lingual gyrus	-0.008	1.093E-05	0.765	0.958	1447
Left pars opercularis	-0.007	1.295E-05	0.787	0.958	1445
Left entorhinal cortex	-0.007	3.343E-05	0.806	0.958	1340
Right supramarginal gyrus	-0.007	1.299E-05	0.807	0.958	1350
Right superior temporal cortex	-0.005	1.433E-05	0.841	0.958	1338
Left rostral middle frontal gyrus	-0.005	1.137E-05	0.862	0.958	1440
Right cortical thickness	-0.004	8.612E-06	0.894	0.962	1448
Left pars triangularis	-0.003	1.402E-05	0.919	0.973	1446
Left precentral gyrus	-0.001	1.182E-05	0.974	0.985	1427
Right isthmus cingulate cortex	0.001	1.741E-05	0.985	0.985	1451
Right fusiform gyrus	0.001	1.247E-05	0.977	0.985	1419
Left isthmus cingulate cortex	0.002	1.793E-05	0.932	0.973	1447
Left superior frontal cortex	0.004	1.312E-05	0.876	0.958	1398
Right posterior cingulate cortex	0.004	1.419E-05	0.869	0.958	1449
Left superior parietal cortex	0.005	1.031E-05	0.855	0.958	1424
Right pars opercularis	0.005	1.380E-05	0.852	0.958	1434
Right superior parietal cortex	0.006	1.062E-05	0.807	0.958	1424
Right inferior parietal cortex	0.007	1.178E-05	0.792	0.958	1410
Right rostral middle frontal gyrus	0.007	1.115E-05	0.785	0.958	1448
Left pars orbitalis	0.007	1.876E-05	0.782	0.958	1444
Left fusiform gyrus	0.009	1.252E-05	0.737	0.958	1443
Right superior frontal cortex	0.009	1.301E-05	0.721	0.958	1437
Left temporal pole	0.012	3.037E-05	0.664	0.958	1448
Right middle temporal cortex	0.012	1.348E-05	0.653	0.958	1425
Left inferior temporal cortex	0.013	1.416E-05	0.637	0.958	1425
Right temporal pole	0.013	3.263E-05	0.630	0.958	1421

<b>Left caudal anterior cingulate cortex</b>	0.013	2.500E-05	0.632	0.958	1430
<b>Right rostral anterior cingulate cortex</b>	0.016	2.128E-05	0.544	0.958	1431
<b>Right caudal anterior cingulate cortex</b>	0.021	2.181E-05	0.429	0.958	1441
<b>Right caudal middle frontal gyrus</b>	0.024	1.346E-05	0.375	0.904	1440
<b>Right medial orbitofrontal cortex</b>	0.027	1.616E-05	0.311	0.894	1442
<b>Left banks superior temporal sulcus</b>	0.027	1.562E-05	0.331	0.894	1323
<b>Right lateral orbitofrontal cortex</b>	0.027	1.457E-05	0.303	0.894	1452
<b>Left lateral orbitofrontal cortex</b>	0.028	1.406E-05	0.304	0.894	1449
<b>Right inferior temporal cortex</b>	0.029	1.404E-05	0.276	0.894	1443
<b>Right pars orbitalis</b>	0.031	1.879E-05	0.250	0.894	1450
<b>Right entorhinal cortex</b>	0.033	3.538E-05	0.238	0.894	1297
<b>Left rostral anterior cingulate cortex</b>	0.050	2.114E-05	0.063	0.879	1429

**TABLE S41b:** Full mega-analytic results for the association between illness severity squared and the surface area of each structure in adult OCD patients based on the YBOCS, controlling for age, sex, scan center and ICV. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (YBOCS<sup>2</sup>)</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
<b>Left pars orbitalis</b>	-0.092	0.006	0.002	0.119	1443
<b>Right rostral anterior cingulate cortex</b>	-0.074	0.010	0.011	0.347	1431
<b>Left paracentral lobule</b>	-0.069	0.014	0.018	0.347	1444
<b>Left lateral orbitofrontal cortex</b>	-0.066	0.019	0.032	0.347	1448
<b>Right caudal anterior cingulate cortex</b>	-0.066	0.012	0.030	0.347	1440
<b>Right lateral orbitofrontal cortex</b>	-0.064	0.021	0.053	0.347	1451
<b>Left rostral anterior cingulate cortex</b>	-0.063	0.011	0.041	0.347	1428
<b>Left posterior cingulate cortex</b>	-0.062	0.013	0.029	0.347	1447
<b>Left middle temporal cortex</b>	-0.061	0.028	0.056	0.347	1329
<b>Left superior temporal cortex</b>	-0.059	0.031	0.052	0.347	1294
<b>Right surface area</b>	-0.058	0.401	0.066	1.000	1450
<b>Right inferior parietal cortex</b>	-0.056	0.050	0.048	0.347	1409
<b>Right medial orbitofrontal cortex</b>	-0.056	0.014	0.085	0.370	1442
<b>Right caudal middle frontal gyrus</b>	-0.055	0.028	0.061	0.347	1439
<b>Right paracentral lobule</b>	-0.053	0.016	0.087	0.370	1448
<b>Left surface area</b>	-0.052	0.398	0.115	1.000	1452
<b>Right posterior cingulate cortex</b>	-0.051	0.014	0.081	0.370	1448
<b>Right rostral middle frontal gyrus</b>	-0.050	0.047	0.095	0.379	1447
<b>Left precentral gyrus</b>	-0.050	0.036	0.073	0.370	1426
<b>Right insula</b>	-0.050	0.018	0.138	0.460	1417
<b>Right superior temporal cortex</b>	-0.047	0.027	0.100	0.379	1337
<b>Left lateral occipital cortex</b>	-0.047	0.039	0.153	0.470	1434
<b>Left superior frontal cortex</b>	-0.046	0.051	0.175	0.475	1397
<b>Left banks superior temporal sulcus</b>	-0.044	0.013	0.142	0.460	1322
<b>Right pars opercularis</b>	-0.044	0.018	0.130	0.460	1434
<b>Left rostral middle frontal gyrus</b>	-0.043	0.047	0.166	0.470	1439
<b>Right cuneus</b>	-0.039	0.015	0.248	0.553	1418

Left medial orbitofrontal cortex	-0.038	0.017	0.241	0.553	1444
Right middle temporal cortex	-0.036	0.027	0.216	0.553	1425
Right superior frontal cortex	-0.035	0.051	0.320	0.660	1436
Left isthmus cingulate cortex	-0.034	0.013	0.233	0.553	1446
Left temporal pole	-0.034	0.005	0.165	0.470	1447
Left caudal middle frontal gyrus	-0.033	0.028	0.288	0.613	1432
Right isthmus cingulate cortex	-0.033	0.012	0.252	0.553	1450
Right pars orbitalis	-0.031	0.008	0.351	0.702	1449
Right superior parietal cortex	-0.027	0.043	0.412	0.757	1423
Right banks superior temporal sulcus	-0.026	0.011	0.371	0.702	1350
Left insula	-0.025	0.017	0.649	0.835	1426
Left transverse temporal cortex	-0.025	0.006	0.368	0.702	1447
Left frontal pole	-0.025	0.003	0.438	0.764	1444
Left caudal anterior cingulate cortex	-0.024	0.011	0.580	0.835	1429
Right precuneus	-0.022	0.033	0.563	0.835	1445
Right inferior temporal cortex	-0.022	0.032	0.508	0.835	1442
Right entorhinal cortex	-0.022	0.008	0.527	0.835	1296
Right frontal pole	-0.020	0.004	0.544	0.835	1449
Left precuneus	-0.019	0.030	0.649	0.835	1447
Right pericalcarine gyrus	-0.019	0.018	0.737	0.849	1432
Right pars triangularis	-0.018	0.019	0.620	0.835	1419
Left inferior parietal cortex	-0.017	0.045	0.603	0.835	1391
Right precentral gyrus	-0.015	0.039	0.702	0.838	1411
Left superior parietal cortex	-0.014	0.045	0.731	0.849	1423
Right transverse temporal cortex	-0.013	0.004	0.608	0.835	1450
Right lateral occipital cortex	-0.013	0.041	0.882	0.961	1433
Right fusiform gyrus	-0.013	0.029	0.690	0.838	1418
Left inferior temporal cortex	-0.011	0.033	0.890	0.961	1424
Left pars opercularis	-0.010	0.020	0.879	0.961	1444
Left pars triangularis	-0.008	0.015	0.975	0.990	1445
Left supramarginal gyrus	-0.005	0.040	0.956	0.990	1325

<b>Left entorhinal cortex</b>	-0.003	0.007	0.995	0.995	1340
<b>Right postcentral gyrus</b>	-0.002	0.032	0.970	0.990	1428
<b>Left lingual gyrus</b>	0.002	0.030	0.683	0.838	1444
<b>Right temporal pole</b>	0.005	0.005	0.975	0.990	1420
<b>Right lingual gyrus</b>	0.005	0.030	0.612	0.835	1446
<b>Left parahippocampal gyrus</b>	0.005	0.008	0.837	0.949	1445
<b>Left fusiform gyrus</b>	0.007	0.030	0.651	0.835	1442
<b>Left postcentral gyrus</b>	0.009	0.034	0.626	0.835	1420
<b>Right supramarginal gyrus</b>	0.011	0.038	0.701	0.838	1349
<b>Left cuneus</b>	0.011	0.016	0.463	0.786	1419
<b>Right parahippocampal gyrus</b>	0.017	0.008	0.429	0.764	1442
<b>Left pericalcarine gyrus</b>	0.021	0.017	0.231	0.553	1436

**TABLE S42a:** Full mega-analytic results for the association between illness severity squared and the cortical thickness of each structure in pediatric OCD patients based on the CYBOCS, controlling for age, sex and scan center. Correlation coefficient Pearsons r is reported.

	<b>Pearson's r (CYBOCS<sup>2</sup>)</b>	<b>Standard error</b>	<b>P-value</b>	<b>FDR P-value</b>	<b>N patients</b>
<b>Right caudal anterior cingulate cortex</b>	-0.129	5.132E-05	0.011	0.773	398
<b>Right rostral anterior cingulate cortex</b>	-0.103	5.345E-05	0.044	0.968	395
<b>Right paracentral lobule</b>	-0.098	3.267E-05	0.055	0.968	400
<b>Left posterior cingulate cortex</b>	-0.085	3.408E-05	0.098	0.968	398
<b>Right isthmus cingulate cortex</b>	-0.078	4.083E-05	0.129	0.968	396
<b>Right rostral middle frontal gyrus</b>	-0.077	3.042E-05	0.129	0.968	401
<b>Right pars orbitalis</b>	-0.072	4.545E-05	0.154	0.968	401
<b>Left paracentral lobule</b>	-0.065	3.295E-05	0.204	0.968	400
<b>Right frontal pole</b>	-0.062	6.554E-05	0.220	0.968	403
<b>Left banks superior temporal sulcus</b>	-0.059	3.731E-05	0.267	0.968	367
<b>Right cuneus</b>	-0.057	2.960E-05	0.260	0.968	398
<b>Left lateral occipital cortex</b>	-0.057	2.330E-05	0.263	0.968	399
<b>Left cuneus</b>	-0.055	2.547E-05	0.281	0.968	400
<b>Left fusiform gyrus</b>	-0.053	2.688E-05	0.297	0.968	396
<b>Left entorhinal cortex</b>	-0.052	7.114E-05	0.329	0.968	367
<b>Left precuneus</b>	-0.051	2.820E-05	0.314	0.968	400
<b>Right parahippocampal gyrus</b>	-0.050	5.502E-05	0.333	0.968	391
<b>Left inferior parietal cortex</b>	-0.047	2.904E-05	0.372	0.968	382
<b>Right pars triangularis</b>	-0.042	3.477E-05	0.405	0.968	399
<b>Right medial orbitofrontal cortex</b>	-0.042	4.012E-05	0.413	0.968	394
<b>Left parahippocampal gyrus</b>	-0.039	5.669E-05	0.452	0.968	392
<b>Right lateral occipital cortex</b>	-0.038	2.392E-05	0.459	0.968	398
<b>Right superior parietal cortex</b>	-0.035	2.699E-05	0.498	0.968	398
<b>Left superior parietal cortex</b>	-0.035	2.679E-05	0.497	0.968	399
<b>Left cortical thickness</b>	-0.028	1.979E-05	0.577	0.968	404
<b>Left pars opercularis</b>	-0.028	3.170E-05	0.589	0.968	396
<b>Left insula</b>	-0.026	3.337E-05	0.623	0.968	386

Left pars triangularis	-0.024	3.586E-05	0.634	0.968	400
Left postcentral gyrus	-0.024	2.438E-05	0.639	0.968	388
Left temporal pole	-0.024	8.035E-05	0.645	0.968	396
Right superior temporal cortex	-0.023	3.383E-05	0.657	0.968	385
Left superior temporal cortex	-0.023	3.485E-05	0.667	0.968	378
Right pars opercularis	-0.020	3.457E-05	0.689	0.968	397
Left caudal anterior cingulate cortex	-0.019	5.628E-05	0.711	0.968	393
Right transverse temporal cortex	-0.019	4.439E-05	0.708	0.968	403
Right cortical thickness	-0.019	2.004E-05	0.709	0.968	404
Right insula	-0.019	3.604E-05	0.717	0.968	386
Left medial orbitofrontal cortex	-0.019	3.808E-05	0.716	0.968	397
Right lateral orbitofrontal cortex	-0.018	3.502E-05	0.719	0.968	402
Left isthmus cingulate cortex	-0.015	4.297E-05	0.777	0.994	396
Right inferior parietal cortex	-0.014	3.025E-05	0.791	0.994	389
Left supramarginal gyrus	-0.012	3.096E-05	0.814	0.994	380
Right postcentral gyrus	-0.012	2.537E-05	0.812	0.994	390
Right precuneus	-0.012	2.829E-05	0.820	0.994	397
Right superior frontal cortex	-0.011	3.548E-05	0.824	0.994	393
Left pars orbitalis	-0.010	5.057E-05	0.844	0.998	400
Left lingual gyrus	-0.007	2.563E-05	0.887	0.998	400
Left pericalcarine gyrus	-0.005	2.806E-05	0.925	0.998	399
Left middle temporal cortex	-0.004	3.554E-05	0.934	0.998	386
Right posterior cingulate cortex	-0.003	3.092E-05	0.955	0.998	397
Right middle temporal cortex	-0.002	3.528E-05	0.968	0.998	388
Left rostral anterior cingulate cortex	-0.002	5.556E-05	0.974	0.998	392
Left rostral middle frontal gyrus	-0.001	2.952E-05	0.987	0.998	403
Left inferior temporal cortex	0.000	3.566E-05	0.998	0.998	395
Left superior frontal cortex	0.003	3.421E-05	0.953	0.998	394
Left frontal pole	0.004	7.210E-05	0.945	0.998	402
Left transverse temporal cortex	0.007	4.319E-05	0.889	0.998	401
Right lingual gyrus	0.020	2.651E-05	0.689	0.968	403

<b>Left lateral orbitofrontal cortex</b>	0.029	3.693E-05	0.572	0.968	403
<b>Right entorhinal cortex</b>	0.030	7.313E-05	0.590	0.968	346
<b>Right precentral gyrus</b>	0.031	2.909E-05	0.547	0.968	392
<b>Right fusiform gyrus</b>	0.039	2.831E-05	0.442	0.968	395
<b>Right inferior temporal cortex</b>	0.046	3.385E-05	0.376	0.968	392
<b>Left precentral gyrus</b>	0.047	2.711E-05	0.361	0.968	394
<b>Right caudal middle frontal gyrus</b>	0.049	3.623E-05	0.336	0.968	396
<b>Right supramarginal gyrus</b>	0.052	2.885E-05	0.317	0.968	384
<b>Right temporal pole</b>	0.056	8.292E-05	0.276	0.968	395
<b>Right pericalcarine gyrus</b>	0.062	2.731E-05	0.228	0.968	398
<b>Left caudal middle frontal gyrus</b>	0.067	3.421E-05	0.185	0.968	402
<b>Right banks superior temporal sulcus</b>	0.068	3.904E-05	0.191	0.968	381



**TABLE S42b:** Full mega-analytic results for the association between illness severity squared and the surface area of each structure in pediatric OCD patients based on the CYBOCS, controlling for age, sex, scan center and ICV. Correlation coefficient Pearsons r is reported.

	Pearson's r (CYBOCS <sup>2</sup> )	Standard error	P-value	FDR P-value	N patients
Right lateral orbitofrontal cortex	-0.153	0.053	0.002	0.168	401
Right supramarginal gyrus	-0.111	0.086	0.034	0.655	383
Right middle temporal cortex	-0.106	0.066	0.040	0.655	387
Left caudal anterior cingulate cortex	-0.099	0.024	0.054	0.655	392
Left lateral orbitofrontal cortex	-0.096	0.054	0.058	0.655	402
Right postcentral gyrus	-0.091	0.076	0.078	0.763	389
Left pars orbitalis	-0.084	0.014	0.101	0.857	399
Right transverse temporal cortex	-0.076	0.011	0.136	0.885	402
Right superior temporal cortex	-0.073	0.061	0.158	0.885	384
Left transverse temporal cortex	-0.069	0.012	0.176	0.885	400
Left insula	-0.065	0.039	0.208	0.885	385
Left lateral occipital cortex	-0.064	0.093	0.208	0.885	398
Left rostral anterior cingulate cortex	-0.063	0.028	0.221	0.885	391
Left posterior cingulate cortex	-0.062	0.031	0.226	0.885	397
Right rostral middle frontal gyrus	-0.060	0.121	0.242	0.885	400
Right medial orbitofrontal cortex	-0.059	0.035	0.253	0.885	393
Right cuneus	-0.057	0.038	0.263	0.885	397
Right pars opercularis	-0.056	0.039	0.273	0.885	396
Left rostral middle frontal gyrus	-0.047	0.113	0.355	0.911	402
Left superior frontal cortex	-0.046	0.115	0.377	0.911	393
Left precentral gyrus	-0.044	0.076	0.394	0.911	393
Right temporal pole	-0.043	0.011	0.407	0.911	394
Right precentral gyrus	-0.042	0.075	0.412	0.911	391
Left middle temporal cortex	-0.041	0.064	0.435	0.911	385
Right surface area	-0.040	0.981	0.428	1.000	403
Left superior temporal cortex	-0.038	0.068	0.469	0.911	377
Right lateral occipital cortex	-0.036	0.094	0.487	0.911	397

Right superior frontal cortex	-0.032	0.128	0.533	0.911	392
Left banks superior temporal sulcus	-0.032	0.032	0.547	0.911	366
Right insula	-0.030	0.042	0.563	0.911	385
Right caudal middle frontal gyrus	-0.025	0.063	0.626	0.911	395
Left medial orbitofrontal cortex	-0.024	0.042	0.642	0.911	396
Left parahippocampal gyrus	-0.022	0.019	0.674	0.911	391
Left surface area	-0.018	0.964	0.722	1.000	403
Right lingual gyrus	-0.018	0.071	0.723	0.911	402
Left entorhinal cortex	-0.017	0.015	0.745	0.911	366
Right pericalcarine gyrus	-0.017	0.042	0.736	0.911	397
Right paracentral lobule	-0.016	0.038	0.754	0.911	399
Left isthmus cingulate cortex	-0.014	0.029	0.784	0.911	396
Right fusiform gyrus	-0.014	0.064	0.791	0.911	394
Left lingual gyrus	-0.004	0.073	0.933	0.985	399
Left inferior parietal cortex	0.000	0.100	0.993	0.993	381
Left postcentral gyrus	0.002	0.076	0.974	0.989	387
Right pars triangularis	0.003	0.041	0.956	0.985	398
Left supramarginal gyrus	0.003	0.093	0.952	0.985	379
Left inferior temporal cortex	0.003	0.077	0.950	0.985	394
Left superior parietal cortex	0.004	0.108	0.943	0.985	398
Left caudal middle frontal gyrus	0.005	0.063	0.930	0.985	401
Left frontal pole	0.010	0.007	0.838	0.950	401
Left precuneus	0.014	0.074	0.781	0.911	399
Right banks superior temporal sulcus	0.016	0.025	0.762	0.911	380
Right isthmus cingulate cortex	0.018	0.026	0.727	0.911	395
Left paracentral lobule	0.019	0.031	0.710	0.911	399
Left pericalcarine gyrus	0.020	0.041	0.695	0.911	398
Right pars orbitalis	0.024	0.018	0.644	0.911	400
Right inferior temporal cortex	0.024	0.075	0.643	0.911	391
Right superior parietal cortex	0.024	0.106	0.639	0.911	397
Left temporal pole	0.026	0.012	0.610	0.911	395

<b>Right parahippocampal gyrus</b>	0.027	0.020	0.604	0.911	390
<b>Left fusiform gyrus</b>	0.029	0.068	0.579	0.911	395
<b>Right posterior cingulate cortex</b>	0.029	0.030	0.571	0.911	396
<b>Right inferior parietal cortex</b>	0.034	0.117	0.515	0.911	388
<b>Right rostral anterior cingulate cortex</b>	0.041	0.023	0.424	0.911	394
<b>Right precuneus</b>	0.042	0.078	0.409	0.911	396
<b>Left pars opercularis</b>	0.043	0.047	0.400	0.911	395
<b>Right caudal anterior cingulate cortex</b>	0.045	0.025	0.381	0.911	397
<b>Left cuneus</b>	0.046	0.036	0.365	0.911	399
<b>Right frontal pole</b>	0.058	0.008	0.256	0.885	402
<b>Left pars triangularis</b>	0.079	0.034	0.121	0.885	399
<b>Right entorhinal cortex</b>	0.112	0.014	0.041	0.655	345