

Supplementary Table 1. CoCoPop (Condition, Context and Population) criteria		
Parameter	Inclusion criteria	Exclusion criteria
Condition	At least some adult patients with a diagnosis of PSD disorders (e.g. bipolar disorder (BD), schizophrenia (SCZ), or schizoaffective disorder (SAD)), as assessed by the DSM, ICD.	<ul style="list-style-type: none"> <li>- Absence of DSM or ICD diagnosis.</li> <li>- No sub-analysis distinguishing PSD (e.g. BD, SCZ, or SAD) patients from other psychiatric patients or subjects</li> <li>- Inclusion of non-adult (&lt;=18years) subjects</li> </ul>
Context	- Subjects (patients and healthy controls) underwent brain-wide diffusion-weighted MRI imaging (DWI)	<ul style="list-style-type: none"> <li>- Only other magnetic resonance techniques (e.g. magnetic resonance spectroscopy, MRS, structural MRI, fMRI techniques..) and no DWI data</li> <li>- No brain-wide diffusion imaging data</li> </ul>
Population	- At least some adult patients and healthy controls	<ul style="list-style-type: none"> <li>- No subjects &gt;17 years old</li> <li>- Overlapping population with more recent paper</li> </ul>

Title	ID	Tesla	thing (mm, smactions (0,1, or 1, or 2 see "qua	non-Isotropic ition voxel dimtion (0,1, or 2 :correction (0,1,old for identify	rrrection (0,1, or 2 see "quality" sheet)								
White matter mi	560	3	0	2	2	2	1,8	2	2	0,2	2		
Serum S100B pro	558	3	6	2	2	2	2,5	2	2	0,25	2		
Association of ho	555	3	0	2	2	2	2	2	2	0,2	2		
Lower fractional	557	3	0	0	2	2	1,7	2	2	0,2	2		
White matter cha	559	3	0	1	2	2	1	2	2	0,2	2		
Cortical Network	556	3	0	2	2	2	1,5	2	2	0,2	2		
ode, early-onset	12	1.5	8	0	2	2	2	1	2	0.5	2		
tructure in treatr	11	3	0	2	2	2	2	2	2	0.3	2		
nosis and the im	58	3	0	0	1	2	2,5	2	2	0.2	0		
schizophrenia	16	3	0	2	2	2	1.9	2	2	0.2	2		
anisotropy in adu	108	3	0	0	0	0	3	0	1	0.2	2		
white matter disa	2	1.5	8	2	2	2	1	1	2	0.2	2		
tracts in patients	18	3	6	0	2	2	2	2	2	0.2	0		
naging study in	8	3	2	0	2	2	1,8	1	2	0.2	2		
corticopontine-co	100	1.5	0	0	0	0	3	0	2	0,4	2		
of white matter a	70	1.5	6	0	2	2	1	0	0	0,4	0		
and white matte	52	3	0	1	2	2	2	0	2	0,3	2		
hizophrenia are glob	311	1.5	8	0	2	2	2,5	2	2	0,3	2		
hizophrenia: effects	333	1.5	8	2	2	2	2,5	0	2	0,3	2		
ntation dispersi	293	3	4	1	2	2	2,5	0	2	0,3	2		
nsions of schizo	317	3	0	1	1	0	2,5	1	2	0,3	2		
hallucinating and	328	3	0	1	1	0	2,4	1	2	0,3	2		
ormalities in ado	92	3	4	2	2	2	2	0	1	0,25	0		
the impact of an	114	3	0	2	2	2	2,5	2	2	0,25	2		
estigated using v	47	1.5	0	0	2	2	1,75	0	2	0,2	2		
itiate patients wi	46	1.5	0	0	2	2	1,75	0	2	0,2	2		
ipolar disorder	95	3	0	1	2	2	2,5	0	1	0,2	2		
alterations betwe	90	3	0	2	2	0	1,75	2	2	0,2	2		
function in chror	106	3	0	2	2	0	3,5	1	2	0,2	2		
episodic memory	325	3	8	2	1	2	2	1	2	0,2	2		
v. major depres	236	3	8	0	1	2	2,5	1	1	0,2	2		
r integrity in the	255	1.5	8	0	1	0	4	0	1	0,2	0		
try and white ma	75	3	8	1	2	0	3	0	2	0,2	2		
ormalities in s	77	3	8	2	0	0	1,75	0	2	0,2	2		
izophrenia: a cr	111	3	8	2	2	0	3	0	2	0,2	2		
-naive patients v	341	3	6	0	1	2	2	1	0	0,2	2		
ipolar disorder ar	331	3	0	2	1	2	0	2	2	0,2	2		
ties in first-episo	253	1.5	0	0	2	2	1	1	1	0,2	2		
ith schizophrenia	130	3	0	1	2	0	1,88	1	2	0,2	2		
white matter cor	254	3	0	0	1	2	3	1	2	0,2	2		
in schizophrenia	262	3	0	1	1	2	2	1	2	0,2	2		
with altered whit	211	3	0	1	2	2	2	0	2	0,2	2		
comparative stuc	339	3	0	0	2	2	2	0	2	0,2	2		
ients with drug-r	245	3	0	1	1	0	1,9	2	2	0,2	2		
es white matter	223	3	0	1	2	0	1,875	2	2	0,2	2		

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in youth with an	335	3	0	1	1	0	2,5	1	2	0,2	2		
0 relate to white	163	3	0	2	1	0	1,8	1	2	0,2	2		
severe treatmen	329	3	0	1	1	0	1	1	2	0,2	2		
ite-onset schizop	324	1.5	8	0	1	2	2	0	0	0,18	2		
ymptoms in schi	241	1.5	6	0	2	2	2	1	1	0,18	2		
sis and their rela	307	3	10	1	0	2	2	0	0	0,15	2		
nia as revealed	182	1.5	4	0	1	0	1,13	2	2	0,14	2		
white matter mi	67	3	0	1	2	2	2	0	0	0	0		
patients with clo	4	3	0	1	2	2	1	1	2	0	2		
compulsive disc	21	1.5	0	0	2	2	1	1	2	0	2		
patients with sc	105	1.5	0	2	2	0	3	1	2	0	2		
nia: a diffusion t	25	3	0	2	2	0	2	1	2	0	2		
egrity related to r	29	3	0	1	2	2	2	0	0	0	2		
ecting structural c	50	1.5	8	0	2	0	4	0	0	0	0		
ssible intermedia	84	3	8	1	2	0	2	1	1	0	2		
ymptoms of sch	45	3	7	0	2	2	1	1	2	0	2		
es in paranoid se	51	3	6	0	2	2	1	0	0	0	0		
and genetic high	40	3	6	0	2	2	2	0	0	0	2		
egrity in adolesce	23	3	6	0	2	0	1	1	2	0	0		
normalities betw	89	1.5	6	0	1	0	2,03	0	1	0	0		
ysconnectivity in	5	1.5	6	0	2	0	5	0	1	0	2		
ly of white matte	6	1.5	4	2	2	0	1,875	0	1	0	2		
hizophrenia on v	104	1.5	4	2	2	0	2,5	0	2	0	2		
osis in young ad	180	1.5	3	0	1	2	1,95	0	2	0	2		
ces and structur	176	3	3	0	2	0	1,8	0	0	0	2		
ry and white ma	76	3	2	0	2	0	1,8	0	0	0	2		
r structure and i	60	3	10	0	2	0	2,2	0	0	0	2		
ic bipolar patien	194	1.5	8	0	0	0	0,9375	1	2	0	2		
l disorder: a voxel	302	1.5	8	0	0	0	5	0	1	0	2		
white matter inte	39	3	6	0	2	2	2	0	0	0	2		
ed to performan	134	3	6	0	2	2	2	2	2	0	2		
nd first-episode s	319	3	6	0	0	2	1	1	2	0	2		
imaging (dti) ana	146	3	6	0	2	0	1,02	0	0	0	2		
r in schizophren	169	1.5	6	0	0	0	5	0	0	0	2		
nd diffusion tense	280	1.5	2	0	1	0	1,13	2	2	0	2		
schizophrenic p	181	3	12	0	0	0	0	0	0	0	0		
zophrenia detect	301	1.5	12	1	1	0	2,8	1	2	0	2		
connectivity and	266	1.5	10	0	0	0	2	2	2	0	0		
d to psychosis-s	120	3	0	1	2	2	1,3	2	2	0	2		
al thickness in p	56	1.5	0	0	1	2	2	0	2	0	2		
r disorder: a trac	44	3	0	1	2	0	2,5	2	2	0	2		
natter abnormali	199	1.5	0	2	2	0	1,875	2	2	0	2		
r integrity in adc	179	1.5	6	1	1	0	1	0	1	0	2		
al white matter c	272	3	4	0	0	0	1,6	0	0	0	0		
text of abnormal	351	3	4	2	2	0	2	2	2	0	2		

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ymia: a multicon	275	1.5	2	1	2	0	2,2	0	1	0	0		
uage, and child	322	1.5	0	0	1	2	3	1	2	0	2		
tment diffusion n	342	3	0	2	2	2	2,05	1	2	0	2		
bipolar i and bipo	326	3	0	0	1	2	1,8	1	2	0	2		
disorder, bipolar	327	3	0	2	1	2	1	1	2	0	2		
a radiata: in relat	291	3	0	2	1	2	2	0	2	0	2		

	CRITERIA	2=Best	1=Intermediate	0=Worst
Acquisition	Number of unique directions	> =60	30-59	<30 /missing data
	B-value	>=1000	700-1000	<700/missing data
	Voxel size	Isotropic voxel		Non-isotropic voxel
Preprocessing	Exclusion due to motion	Motion check with exclusion criteria	Mentioned motion correction with unclear effect	No motion / data quality check
		motion as covariate in regression, exclusion criteria		(No mention of motion)
	Eddy current correction and motion correction	Present		Missing
Analysis	Correcting for multiple comparisons (if applicable)	Yes	Some steps only	Not at all

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