

Appendix Table 1a. Prevalence of temporally prior DSM-IV disorders among respondents with each form of suicidal behavior—Developed Countries

	Among Total Sample												Among Ideators																			
	Ideation			No Ideation			Attempt			No Attempt			Plan			No Plan			Planned Attempt			No Planned Attempt			Unplanned Attempt			No Unplanned Attempt				
	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE
I. Anxiety Disorders																																
Panic Disorder	3.7	0.3	243	1.7	0.1	850	6.9	0.7	125	2.1	0.1	1101	5.9	0.6	131	5.8	0.4	240	7.5	0.9	88	7.8	1.1	77	6.0	1.0	37	5.0	0.5	174		
GAD	7.5	0.4	454	3.4	0.1	1677	12.0	0.9	210	4.4	0.1	2349	11.1	0.9	223	15.9	0.7	629	12.7	1.3	147	20.4	1.7	178	10.7	1.4	63	14.5	0.7	494		
Specific Phobia	17.8	0.6	1077	6.7	0.2	3230	23.7	1.3	417	7.5	0.2	3961	22.5	1.1	451	17.2	0.7	700	25.7	1.6	284	20.7	1.5	181	20.1	1.9	133	16.3	0.8	550		
Social Phobia	15.1	0.6	894	4.0	0.1	1861	20.3	1.2	346	4.9	0.1	2531	20.9	1.2	404	15.0	0.8	600	22.8	1.5	245	21.9	1.8	188	15.9	2.0	101	14.4	0.8	482		
PTSD	7.7	0.4	489	2.8	0.1	1050	13.9	1.0	252	3.6	0.1	1556	11.8	0.9	268	12.0	0.7	458	14.9	1.3	181	17.8	1.7	169	12.0	1.5	71	10.4	0.7	337		
SAD	4.8	0.5	220	1.8	0.1	519	7.3	0.7	106	2.3	0.1	718	6.8	1.0	109	7.1	0.7	199	8.0	1.0	73	8.2	1.5	59	6.1	1.2	33	6.3	0.9	140		
Agoraphobia	1.8	0.2	119	0.7	0.0	325	2.5	0.4	49	0.8	0.0	432	2.6	0.4	54	2.2	0.3	100	3.3	0.6	42	2.9	0.7	23	1.0	0.4	7	2.1	0.3	84		
Any Anxiety Disorder	37.2	1.0	2096	15.3	0.3	5850	49.2	1.6	827	17.7	0.4	7596	46.8	1.5	929	44.2	1.3	1607	52.4	2.0	574	54.0	2.3	463	43.3	2.6	253	42.1	1.3	1283		
II. Mood Disorders																																
MDD	18.2	0.6	1081	11.0	0.2	5228	27.0	1.3	466	13.3	0.2	6949	27.7	1.3	546	38.4	0.9	1536	30.2	1.8	339	52.2	1.9	470	21.3	1.9	127	36.8	1.0	1251		
Dysthymia	4.3	0.3	261	1.4	0.1	676	6.5	0.8	117	1.9	0.1	1024	6.9	0.7	144	7.9	0.5	321	7.4	1.0	86	11.6	1.3	101	5.0	1.1	31	7.0	0.5	247		
Bipolar Disorder	2.9	0.3	183	1.2	0.1	580	5.9	0.7	98	1.5	0.1	853	4.3	0.5	98	6.4	0.5	268	5.9	0.8	71	6.4	0.9	74	5.8	1.4	27	5.4	0.4	199		
Any Mood Disorder	20.5	0.6	1226	12.2	0.2	5797	29.9	1.4	514	14.7	0.2	7677	30.1	1.4	603	42.4	0.9	1693	32.6	1.9	370	54.5	2.1	496	25.1	2.1	144	40.7	1.0	1384		
III. Impulse-Control Disorders																																
ODD	6.5	0.7	182	1.8	0.2	301	10.5	1.1	99	2.1	0.2	407	9.5	1.4	92	6.0	0.7	110	10.5	1.4	66	9.4	2.6	32	10.5	1.7	33	4.9	0.7	74		
Conduct Disorder	6.0	0.7	154	1.7	0.1	270	8.9	1.0	81	2.0	0.2	358	7.4	1.3	74	6.0	1.0	96	8.2	1.4	51	7.2	2.3	27	10.3	1.8	30	4.9	1.0	61		
ADHD	6.2	0.7	177	1.8	0.2	303	9.6	1.1	91	2.1	0.2	395	9.3	1.3	97	4.8	0.7	85	10.4	1.3	68	8.4	2.2	31	8.2	1.9	23	4.1	0.8	61		
IED	3.4	0.3	191	1.1	0.1	507	4.9	0.5	73	1.4	0.1	674	4.8	0.6	89	4.1	0.4	156	5.4	0.7	50	5.1	0.8	47	3.9	0.8	23	3.7	0.4	120		
Any Impulse-Control Disorder	14.7	1.0	426	4.9	0.3	828	19.7	1.5	192	5.8	0.3	1099	18.1	1.7	195	14.8	1.1	267	20.0	1.9	128	17.3	2.7	76	19.2	2.3	64	13.4	1.2	195		
IV. Substance Use Disorders																																
Alcohol Abuse or Dep.	9.5	0.4	589	6.2	0.2	2776	14.6	1.0	260	7.2	0.2	3538	14.1	1.0	289	17.9	0.8	715	15.4	1.3	177	25.7	1.9	214	13.1	1.6	83	16.3	0.8	548		
Drug Abuse or Dep.	6.1	0.4	317	2.7	0.1	952	9.8	0.9	169	3.4	0.1	1349	10.2	0.8	189	10.5	0.7	366	11.4	1.1	128	16.1	1.6	122	6.9	1.3	41	9.6	0.7	275		
Any Substance Use Disorder	12.4	0.6	673	7.6	0.2	2551	18.6	1.1	315	8.9	0.2	3359	18.6	1.2	350	22.4	0.9	757	20.0	1.5	218	29.8	2.1	229	16.2	1.9	97	20.8	1.0	579		
V. Number of Disorders																																
Exactly 1 Disorder	22.2	0.8	1212	16.1	0.3	5548	22.0	1.3	366	16.8	0.3	6404	21.8	1.3	423	23.2	0.9	785	21.7	1.6	239	23.1	2.1	180	22.4	2.1	127	24.0	1.0	676		
Exactly 2 Disorders	12.6	0.6	711	6.3	0.2	2534	15.2	1.1	258	7.2	0.2	3208	14.9	1.0	307	17.3	0.8	615	15.3	1.4	172	16.8	1.5	153	14.8	1.8	86	17.3	0.9	521		
Exactly 3 Disorders	7.7	0.4	426	2.5	0.1	1108	12.1	1.0	200	3.3	0.1	1576	10.0	0.9	201	11.3	0.7	414	13.1	1.4	142	14.4	1.6	129	10.2	1.5	58	11.1	0.7	339		
Exactly 4 Disorders	4.4	0.4	236	1.3	0.1	571	6.9	0.8	114	1.8	0.1	850	7.7	0.9	130	7.6	0.6	264	7.4	0.9	80	10.4	1.8	80	5.9	1.4	34	6.7	0.6	199		
Exactly 5 Disorders	2.5	0.2	141	0.6	0.1	250	3.7	0.5	66	0.9	0.1	408	3.0	0.4	69	3.8	0.5	139	3.8	0.6	46	5.4	0.9	54	3.7	0.9	20	3.5	0.4	104		
6 or More Disorders	2.5	0.3	139	0.5	0.0	243	6.0	0.8	92	0.9	0.1	440	6.0	0.8	107	5.0	0.4	192	7.4	1.1	71	9.1	1.4	74	3.5	0.9	21	3.8	0.4	123		
Any Disorder	51.8	1.1	2865	27.3	0.4	10254	65.7	1.7	1096	30.7	0.5	12886	63.4	1.7	1237	68.2	1.2	2409	68.6	2.0	750	79.3	2.0	670	60.5	2.8	346	66.3	1.3	1962		
(N) ^a	(5869)			(45902)			(1700)			(50071)			(1969)			(3900)			(1110)			(859)			(590)			(3310)				

Appendix Table 1b. Prevalence of temporally prior DSM-IV disorders among respondents with each form of suicidal behavior—Developing Countries

	Among Total Sample												Among Ideators																			
	Ideation			No Ideation			Attempt			No Attempt			Plan			No Plan			Planned Attempt			No Planned Attempt			Unplanned Attempt			No Unplanned Attempt				
	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE	N ^c	% ^b	SE
I. Anxiety Disorders																																
Panic Disorder	2.0	0.3	85	0.7	0.1	442	3.1	0.6	40	0.8	0.1	532	3.1	0.5	48	2.8	0.4	81	4.0	0.8	35	3.1	0.8	20	1.3	0.6	5	2.8	0.4	70		
GAD	3.2	0.4	129	1.4	0.1	826	5.0	0.7	63	1.7	0.1	1013	4.8	0.7	64	5.7	0.6	159	5.5	1.0	41	11.7	1.7	64	4.0	1.0	22	5.3	0.7	123		
Specific Phobia	13.7	0.7	571	5.1	0.1	2689	19.3	1.4	248	5.5	0.1	3051	18.8	1.5	282	12.4	0.8	326	21.4	1.9	188	17.4	1.9	102	15.0	2.2	60	11.7	0.8	260		
Social Phobia	6.2	0.5	250	1.6	0.1	839	8.7	1.0	105	1.9	0.1	1021	8.7	1.0	119	6.0	0.5	158	9.3	1.3	76	10.4	1.7	56	7.7	1.6	29	5.6	0.6	126		
PTSD	3.3	0.5	102	1.3	0.1	513	5.8	0.8	62	1.5	0.1	624	5.0	0.7	66	5.1	0.7	93	6.8	1.1	48	6.8	1.4	39	3.7	1.3	14	5.0	0.8	72		
OCD	2.8	0.4	81	1.5	0.1	447	3.3	0.8	27	1.7	0.1	548	3.4	0.8	36	4.9	0.6	90	3.6	1.0	22	5.2	1.6	24	2.6	1.5	5	4.9	0.7	77		
SAD	6.3	0.5	205	2.6	0.1	774	8.4	1.1	93	2.9	0.1	940	7.2	0.8	100	8.8	0.9	160	7.7	1.3	58	8.5	1.4	52	9.8	2.2	35	7.8	1.0	114		
Agoraphobia	2.6	0.3	119	1.2	0.1	636	3.7	0.6	55	1.3	0.1	733	3.7	0.6	58	3.1	0.4	92	3.9	0.7	38	4.7	1.2	25	3.4	1.0	17	2.9	0.4	72		
Any Anxiety Disorder	27.1	0.9	1020	12.0	0.2	4661	36.3	1.8	439	13.0	0.2	5450	35.3	1.7	512	30.4	1.3	696	39.9	2.6	323	40.3	2.7	242	29.3	2.9	116	29.2	1.4	547		
II. Mood Disorders																																
MDD	12.9	0.6	560	6.8	0.2	3846	18.2	1.3	243	7.9	0.2	4679	20.4	1.3	306	24.9	1.0	666	21.6	1.7	187	43.0	2.6	272	11.5	1.7	56	24.6	1.1	561		
Dysthymia	2.8	0.3	118	0.9	0.1	567	4.6	0.8	60	1.1	0.1	690	4.0	0.6	63	4.1	0.5	106	5.3	1.0	45	6.4	1.1	40	3.3	1.0	15	3.9	0.5	83		
Bipolar Disorder	1.7	0.3	64	0.8	0.1	350	2.4	0.5	30	0.9	0.1	450	3.3	0.7	44	2.9	0.4	74	3.3	0.7	27	7.2	1.4	38	0.7	0.4	3	2.8	0.5	62		
Any Mood Disorder	13.9	0.6	607	7.5	0.2	4162	19.4	1.3	260	8.6	0.2	5052	22.0	1.3	333	26.4	0.9	706	23.3	1.8	203	46.5	2.6	293	11.6	1.7	57	26.1	1.0	597		
III. Impulse-Control Disorders																																
ODD	3.0	0.5	79	0.5	0.1	146	5.0	1.0	47	0.6	0.1	179	4.6	0.9	46	2.2	0.4	36	5.3	1.3	35	3.5	1.3	10	4.2	1.4	12	1.8	0.5	23		
Conduct Disorder	3.2	0.5	86	0.5	0.1	137	5.9	1.1	53	0.6	0.1	174	4.8	0.9	48	2.6	0.6	42	6.8	1.4	38	2.3	0.9	10	4.2	1.3	15	2.3	0.6	27		
ADHD	2.5	0.4	80	0.5	0.1	148	3.7	0.8	40	0.6	0.1	188	3.0	0.5	44	2.1	0.5	36	3.5	0.8	29	2.4	0.7	15	4.2	1.5	11	1.8	0.5	25		
IED	6.5	0.5	250	2.0	0.1	917	8.8	1.1	105	2.3	0.1	1148	9.8	1.0	128	8.2	0.7	210	9.7	1.3	74	12.6	1.7	72	7.1	1.5	31	7.5	0.7	159		
Any Impulse-Control Disorder	13.2	1.0	358	3.8	0.2	968	19.0	1.8	172	4.3	0.2	1218	19.7	1.5	196	13.7	1.1	235	20.8	2.3	125	18.8	2.6	78	15.3	2.4	47	12.7	1.2	172		
IV. Substance Use Disorders																																
Alcohol Abuse or Dep.	7.9	0.6	267	5.6	0.2	2438	10.5	1.1	106	6.0	0.2	2757	11.1	1.2	137	13.1	0.9	282	10.6	1.4	79	20.4	2.2	103	10.3	2.3	27	11.8	1.0	216		
Drug Abuse or Dep.	3.1	0.4	90	1.1	0.1	332	4.9	0.7	52	1.4	0.1	421	4.6	0.7	52	5.3	0.7	76	5.8	0.9	44	8.8	2.5	31	3.0	1.1	8	5.0	0.8	58		
Any Substance Use Disorder	9.7	0.7	292	6.7	0.2	2107	13.3	1.3	128	7.3	0.2	2433	13.6	1.4	161	15.9	1.2	281	14.0	1.6	99	25.0	3.1	116	11.8	2.6	29	14.5	1.3	210		
V. Number of Disorders																																
Exactly 1 Disorder	23.3	0.9	852	14.4	0.3	5408	25.7	1.6	311	15.0	0.3	6034	25.6	1.4	385	24.9	1.4	546	27.0	1.9	225	25.1	2.5	178	23.3	2.9	86	24.9	1.5	448		
Exactly 2 Disorders	10.6	0.8	402	4.6	0.2	1980	13.5	1.5	163	5.1	0.2	2380	15.8	1.4	213	14.0	0.9	339	15.9	2.0	123	20.2	1.9	120	8.7	1.6	40	13.7	1.0	280		
Exactly 3 Disorders	4.7	0.5	180	1.8	0.1	795	6.5	0.9	82	2.1	0.1	985	5.9	0.7	92	7.5	0.8	175	7.0	1.2	55	10.1	1.6	63	5.6	1.3	27	7.1	0.9	127		
Exactly 4 Disorders	2.2	0.3	88	0.6	0.1	311	4.3	0.7	52	0.8	0.1	403	4.2	0.7	55	3.7	0.6	75	4.7	0.9	41	6.1	1.4	35	3.6	1.3	11	3.3	0.5	57		
Exactly 5 Disorders	1.1	0.2	44	0.2	0.0	127	1.9	0.4	28	0.3	0.0	175	2.3	0.5	30	1.3	0.3	39	2.4	0.6	22	4.3	1.5	20	1.0	0.5	6	1.1	0.3	28		
6 or More Disorders	1.0	0.2	45	0.2	0.0	82	2.6	0.6	30	0.3	0.0	135	1.8	0.4	29	1.7	0.3	45	2.7	0.7	23	3.9	1.4	18	2.4	1.0	7	1.4	0.3	35		
Any Disorder	2.9	1.1	1611	21.8	0.3	8703	54.6	2.0	666	23.6	0.3	10112	55.5	1.7	804	53.0	1.5	1219	59.6	2.4	489	69.6	2.7	434	44.6	3.2	177	51.5	1.7	975		
(N) ^a	(4090)			(52803)			(1223)			(55670)			(1443)			(2647)			(835)			(608)			(388)			(2259)				

Appendix Table 2a. Multivariate survival models of interactive associations between type-number of temporally primary lifetime DSM-IV/CIDI disorders in predicting the subsequent first occurrence of suicidal behaviors (ideation, attempt, plan among ideators, attempt among planners, attempt among ideators without a plan)—Developed Countries^a

	Among Total Sample				Among Ideators					
	Ideation		Attempt		Plan		Planned Attempt		Unplanned Attempt	
	OR (95% CI)	χ^2	OR (95% CI)	χ^2	OR (95% CI)	χ^2	OR (95% CI)	χ^2	OR (95% CI)	χ^2
I. Anxiety Disorders										
Panic Disorder	2.4* (1.6-3.6)*	19.2(<.001)*	4.0* (2.1-7.8)*	17.3(<.001)*	1.7* (1.1-2.6)*	4.8(0.03)*	1.0 (0.5-1.7)	0.0(0.88)	4.3* (1.6-11.2)*	8.7(0.003)*
GAD	4.1* (3.2-5.4)*	110.6(<.001)*	5.0* (3.4-7.5)*	64.0(<.001)*	1.3 (0.9-1.9)	1.8(0.18)	1.6 (1.0-2.6)	3.5(0.06)	1.7 (0.9-3.4)	2.4(0.13)
Specific Phobia	1.7* (1.5-2.0)*	56.8(<.001)*	2.3* (1.8-3.0)*	43.5(<.001)*	1.3* (1.0-1.6)*	5.6(0.02)*	1.2 (0.9-1.6)	1.3(0.25)	1.5* (1.0-2.1)*	4.0(0.05)*
Social Phobia	2.5* (2.1-2.9)*	124.9(<.001)*	2.6* (1.9-3.4)*	40.9(<.001)*	1.3* (1.0-1.7)*	4.2(0.05)*	1.7* (1.2-2.4)*	7.2(0.01)*	0.7 (0.4-1.1)	3.0(0.08)
PTSD	3.1* (2.4-4.1)*	64.8(<.001)*	4.5* (3.1-6.5)*	59.6(<.001)*	1.7* (1.2-2.4)*	8.3(0.004)*	2.0* (1.2-3.2)*	7.8(0.01)*	2.2* (1.2-4.0)*	6.0(0.01)*
SAD	2.4* (1.6-3.6)*	18.1(<.001)*	2.5* (1.5-4.1)*	12.9(<.001)*	0.9 (0.5-1.6)	0.1(0.74)	1.3 (0.6-2.5)	0.5(0.49)	1.3 (0.5-3.2)	0.3(0.62)
Agoraphobia	2.3* (1.4-3.9)*	9.5(0.002)*	3.1* (1.2-8.1)*	5.1(0.02)*	2.2* (1.1-4.2)*	5.0(0.03)*	1.3 (0.6-3.0)	0.4(0.51)	0.8 (0.1-5.4)	0.1(0.81)
II. Mood Disorders										
MDD	4.0* (3.4-4.8)*	261.8(<.001)*	4.6* (3.4-6.1)*	108.8(<.001)*	1.4* (1.1-1.8)*	6.9(0.01)*	1.6* (1.2-2.2)*	8.5(0.004)*	1.3 (0.9-2.0)	1.8(0.18)
Dysthymia	2.9* (2.0-4.3)*	29.4(<.001)*	2.3* (1.2-4.6)*	6.2(0.01)*	1.2 (0.7-2.0)	0.2(0.63)	0.7 (0.3-1.3)	1.4(0.24)	1.1 (0.3-4.2)	0.0(0.88)
Bipolar Disorder	5.9* (4.2-8.4)*	98.4(<.001)*	8.2* (4.7-14.4)*	53.5(<.001)*	2.7* (1.7-4.3)*	17.6(<.001)*	3.4* (2.0-5.7)*	20.7(<.001)*	2.9* (1.2-7.0)*	5.9(0.02)*
III. Impulse-Control Disorders										
ODD	3.6* (2.4-5.3)*	41.2(<.001)*	3.0* (1.5-5.8)*	10.2(0.001)*	0.8 (0.4-1.8)	0.2(0.64)	1.2 (0.5-3.3)	0.2(0.69)	1.8 (0.6-5.0)	1.3(0.26)
Conduct Disorder	3.3* (2.3-4.6)*	43.8(<.001)*	3.0* (1.6-5.3)*	13.0(<.001)*	1.7 (0.8-3.6)	2.0(0.16)	1.0 (0.3-2.7)	0.0(0.92)	1.4 (0.5-3.9)	0.3(0.56)
ADHD	2.2* (1.4-3.5)*	12.0(<.001)*	4.0* (2.0-8.1)*	14.9(<.001)*	2.9* (1.3-6.5)*	6.9(0.01)*	1.6 (0.7-3.7)	1.1(0.28)	1.7 (0.6-4.3)	1.1(0.29)
IED	2.6* (1.7-4.0)*	21.3(<.001)*	2.5* (1.5-4.1)*	12.4(<.001)*	0.8 (0.5-1.3)	0.6(0.44)	1.4 (0.7-3.0)	0.9(0.35)	1.2 (0.5-2.8)	0.2(0.65)
IV. Substance Use Disorders										
Alcohol Abuse or Dep.	1.9* (1.5-2.4)*	27.0(<.001)*	3.2* (2.2-4.7)*	34.6(<.001)*	1.5* (1.0-2.1)*	4.1(0.04)*	1.4 (0.9-2.4)	1.7(0.19)	1.9* (1.0-3.5)*	3.9(0.05)*
Drug Abuse or Dep.	3.2* (2.1-4.8)*	32.2(<.001)*	4.1* (2.5-6.9)*	28.6(<.001)*	1.8* (1.1-2.8)*	6.5(0.01)*	1.4 (0.7-2.8)	0.7(0.40)	2.4* (1.1-5.3)*	4.4(0.04)*
Continuous Variable for Number of Other Disorders ^b	0.8* (0.7-1.0)*	6.3(0.01)*	0.9 (0.7-1.1)	2.2(0.14)	0.9 (0.8-1.1)	0.4(0.53)	1.0 (0.8-1.3)	0.1(0.79)	0.8 (0.6-1.2)	1.3(0.25)
Interactions with Number of Other Disorders										
I. Anxiety Disorders										
Panic Disorder	0.9 (0.8-1.0)	2.9(0.09)	0.9 (0.7-1.0)	2.9(0.09)	0.9 (0.8-1.1)	0.9(0.35)	1.1 (0.9-1.3)	1.7(0.19)	0.7* (0.5-1.0)*	4.0(0.05)*
GAD	0.8* (0.7-0.9)*	26.7(<.001)*	0.8* (0.7-0.9)*	12.5(<.001)*	0.9 (0.8-1.1)	1.4(0.23)	0.9 (0.8-1.1)	1.0(0.33)	1.0 (0.8-1.3)	0.0(0.95)
Specific Phobia	1.1 (1.0-1.2)	2.4(0.12)	1.0 (0.8-1.1)	0.6(0.42)	1.0 (0.9-1.1)	0.2(0.63)	1.0 (0.9-1.2)	0.2(0.64)	0.9 (0.8-1.1)	0.8(0.37)
Social Phobia	1.0 (0.9-1.0)	1.2(0.26)	0.9 (0.8-1.0)	2.6(0.11)	1.0 (0.9-1.1)	0.1(0.82)	0.8* (0.7-1.0)*	8.2(0.004)*	1.3* (1.1-1.6)*	6.4(0.01)*
PTSD	1.0 (0.8-1.0)	3.8(0.05)	0.9* (0.8-1.0)*	4.5(0.03)*	1.0 (0.8-1.1)	0.9(0.34)	0.9* (0.7-1.0)*	4.4(0.04)*	1.0 (0.8-1.2)	0.0(0.91)
SAD	0.9* (0.8-1.0)*	5.3(0.02)*	0.9 (0.8-1.0)	2.9(0.09)	1.1 (0.9-1.4)	0.6(0.43)	1.0 (0.8-1.2)	0.1(0.78)	1.0 (0.7-1.4)	0.0(0.99)
Agoraphobia	0.9 (0.8-1.1)	1.1(0.29)	0.9 (0.7-1.2)	0.7(0.40)	0.8 (0.7-1.0)	3.3(0.07)	1.0 (0.8-1.4)	0.1(0.75)	0.9 (0.5-1.5)	0.2(0.70)

II. Mood Disorders										
MDD	0.8* (0.8-0.9)*	21.8(<.001)*	0.9* (0.8-0.9)*	9.5(0.002)*	1.1 (0.9-1.2)	0.7(0.41)	1.0 (0.8-1.1)	0.5(0.48)	0.9 (0.8-1.1)	0.7(0.40)
Dysthymia	0.9 (0.8-1.0)	2.7(0.10)	0.9 (0.8-1.1)	1.0(0.31)	1.0 (0.8-1.1)	0.2(0.66)	1.1 (0.9-1.3)	0.3(0.56)	1.0 (0.7-1.5)	0.1(0.81)
Bipolar Disorder	0.8* (0.7-0.9)*	15.6(<.001)*	0.8* (0.6-0.9)*	12.7(<.001)*	0.8* (0.7-0.9)*	8.8(0.003)*	0.9 (0.8-1.1)	1.6(0.21)	0.8 (0.6-1.1)	1.5(0.22)
III. Impulse-Control Disorders										
ODD	0.8* (0.7-0.9)*	11.0(<.001)*	0.9 (0.7-1.2)	0.6(0.45)	1.2 (1.0-1.6)	2.8(0.09)	1.1 (0.8-1.5)	0.2(0.65)	1.0 (0.7-1.4)	0.0(0.89)
Conduct Disorder	0.8* (0.8-1.0)*	7.2(0.01)*	0.9 (0.7-1.1)	0.6(0.43)	0.8 (0.7-1.0)	3.1(0.08)	1.0 (0.8-1.4)	0.1(0.78)	1.2 (0.9-1.7)	1.6(0.21)
ADHD	0.9 (0.8-1.1)	1.6(0.21)	0.8* (0.6-1.0)*	4.1(0.05)*	0.8 (0.6-1.0)	2.9(0.09)	0.9 (0.7-1.2)	0.5(0.47)	1.0 (0.8-1.2)	0.1(0.71)
IED	0.9 (0.8-1.0)	2.2(0.14)	0.9 (0.8-1.1)	1.4(0.24)	1.1 (1.0-1.3)	2.5(0.12)	1.0 (0.8-1.2)	0.2(0.70)	0.9 (0.7-1.1)	0.7(0.39)
IV. Substance Use Disorders										
Alcohol Abuse or Dep.	1.0 (0.9-1.1)	0.2(0.63)	0.9 (0.8-1.1)	0.8(0.37)	1.0 (0.8-1.1)	0.4(0.52)	1.0 (0.8-1.2)	0.1(0.74)	1.1 (0.8-1.4)	0.3(0.60)
Drug Abuse or Dep.	0.8* (0.7-1.0)*	7.2(0.007)*	0.8* (0.7-0.9)*	7.6(0.01)*	0.9 (0.8-1.1)	1.1(0.29)	1.0 (0.8-1.2)	0.3(0.58)	0.7* (0.5-0.9)*	8.0(0.01)*
df Interaction Test ^c	. * (-.)*	228.2(<.001)*	. * (-.)*	175.4(<.001)*	. * (-.)*	40.6(<.001)*	. * (-.)*	32.2(0.010)*	. (-.)*	23.5(0.10)
(N) ^d	(27963)		(27963)		(4997)		(1874)		(3123)	

Appendix Table 2b. Multivariate survival models of interactive associations between type-number of temporally primary lifetime DSM-IV/CIDI disorders in predicting the subsequent first occurrence of suicidal behaviors (ideation, attempt, plan among ideators, attempt among planners, attempt among ideators without a plan)—Developing Countries^a

	Among Total Sample				Among Ideators					
	Ideation		Attempt		Plan		Planned Attempt		Unplanned Attempt	
	OR (95% CI)	χ^2	OR (95% CI)	χ^2	OR (95% CI)	χ^2	OR (95% CI)	χ^2	OR (95% CI)	χ^2
I. Anxiety Disorders										
Panic Disorder	2.5* (1.6-3.9)*	15.5(<.001)*	4.4* (2.2-9.0)*	16.7(<.001)*	1.3 (0.6-2.9)	0.6(0.45)	2.1* (1.1-4.0)*	5.6(0.02)*	1.6 (0.5-5.6)	0.5(0.48)
GAD	2.1* (1.2-3.5)*	7.3(0.007)*	3.5* (1.7-7.2)*	12.1(<.001)*	1.0 (0.5-2.3)	0.0(0.92)	1.4 (0.6-3.1)	0.6(0.42)	1.8 (0.5-6.7)	0.9(0.35)
Specific Phobia	2.2* (1.8-2.6)*	71.6(<.001)*	2.6* (1.9-3.4)*	43.3(<.001)*	1.6* (1.2-2.1)*	8.1(0.004)*	1.3 (0.9-2.0)	2.3(0.13)	1.2 (0.7-1.8)	0.4(0.53)
Social Phobia	2.9* (2.0-4.1)*	33.0(<.001)*	2.6* (1.5-4.8)*	11.2(<.001)*	0.9 (0.5-1.6)	0.1(0.77)	1.4 (0.7-2.6)	0.9(0.34)	1.0 (0.5-2.4)	0.0(0.93)
PTSD	4.9* (3.1-7.7)*	44.7(<.001)*	8.4* (4.5-15.7)*	44.0(<.001)*	2.8* (1.5-5.3)*	10.5(0.001)*	5.5* (3.0-10.1)*	29.1(<.001)*	2.1 (0.5-9.9)	0.9(0.33)
OCD	1.6 (1.0-2.7)	3.5(0.06)	1.7 (0.7-4.0)	1.3(0.26)	0.9 (0.4-2.2)	0.1(0.79)	1.2 (0.4-4.0)	0.1(0.78)	0.7 (0.1-6.2)	0.1(0.73)
SAD	2.3* (1.7-3.1)*	26.9(<.001)*	2.1* (1.3-3.4)*	8.2(0.004)*	0.9 (0.6-1.4)	0.3(0.61)	1.0 (0.6-1.6)	0.0(0.83)	1.2 (0.5-2.8)	0.1(0.74)
Agoraphobia	1.3 (0.8-1.9)	1.3(0.26)	1.5 (0.9-2.6)	2.0(0.16)	1.3 (0.8-2.1)	1.5(0.21)	2.0* (1.0-3.9)*	4.3(0.04)*	1.7 (0.6-5.4)	0.9(0.33)
II. Mood Disorders										
MDD	3.1* (2.5-3.9)*	107.1(<.001)*	3.5* (2.4-4.9)*	48.8(<.001)*	1.9* (1.4-2.6)*	18.9(<.001)*	1.4 (0.9-2.1)	2.4(0.12)	0.7 (0.4-1.3)	1.4(0.24)
Dysthymia	3.9* (2.2-6.7)*	23.7(<.001)*	4.4* (2.0-9.7)*	12.9(<.001)*	2.2* (1.1-4.3)*	5.4(0.02)*	1.4 (0.6-3.4)	0.5(0.48)	1.1 (0.2-6.0)	0.0(0.96)
Bipolar Disorder	4.4* (2.8-7.1)*	39.4(<.001)*	4.0* (1.7-9.5)*	9.7(0.002)*	7.7* (3.7-15.9)*	30.2(<.001)*	0.8 (0.2-3.2)	0.2(0.70)	0.6 (0.1-4.7)	0.3(0.60)
III. Impulse-Control Disorders										
ODD	4.0* (2.5-6.6)*	31.9(<.001)*	5.7* (2.8-11.7)*	22.6(<.001)*	2.7* (1.2-5.9)*	5.7(0.02)*	1.5 (0.6-3.9)	0.7(0.39)	2.9 (0.7-12.4)	2.1(0.14)
Conduct Disorder	5.3* (2.9-9.6)*	29.9(<.001)*	9.8* (4.7-20.4)*	37.4(<.001)*	1.6 (0.9-2.9)	2.6(0.11)	2.5 (1.0-6.7)	3.5(0.06)	3.6* (1.4-9.3)*	6.8(0.01)*
ADHD	2.0* (1.0-3.7)*	4.3(0.04)*	2.4 (0.9-6.9)	2.8(0.09)	1.1 (0.4-3.1)	0.0(0.84)	2.0 (0.7-6.0)	1.6(0.21)	0.7 (0.1-5.5)	0.1(0.71)
IED	4.1* (3.1-5.4)*	101.7(<.001)*	4.4* (2.8-6.9)*	42.6(<.001)*	1.3 (0.8-2.0)	0.9(0.33)	1.6 (0.8-3.3)	1.5(0.22)	1.5 (0.8-3.0)	1.5(0.22)
IV. Substance Use Disorders										
Alcohol Abuse or Dep.	2.8* (2.2-3.6)*	61.8(<.001)*	3.9* (2.6-6.0)*	40.2(<.001)*	1.7* (1.2-2.5)*	8.2(0.004)*	1.4 (0.9-2.1)	1.7(0.19)	1.5 (0.7-3.5)	1.0(0.31)
Drug Abuse or Dep.	2.4* (1.6-3.9)*	11.7(<.001)*	4.4* (2.1-9.1)*	15.8(<.001)*	1.6 (0.7-3.6)	1.4(0.23)	1.5 (0.7-3.4)	0.9(0.33)	3.3* (1.2-9.4)*	4.9(0.03)*
Continuous Variable for Number of Other Disorders ^b	0.8* (0.6-1.0)*	4.0(0.05)*	0.7 (0.5-1.1)	2.7(0.10)	1.0 (0.8-1.4)	0.1(0.80)	0.8 (0.5-1.2)	1.4(0.24)	0.9 (0.5-1.6)	0.2(0.67)
Interactions with Number of Other Disorders										
I. Anxiety Disorders										
Panic Disorder	1.0 (0.8-1.2)	0.1(0.77)	0.8 (0.6-1.1)	2.0(0.15)	1.0 (0.8-1.3)	0.0(0.93)	0.9 (0.6-1.2)	0.7(0.42)	0.6 (0.4-1.0)	3.6(0.06)
GAD	1.1 (0.9-1.4)	1.4(0.24)	0.9 (0.7-1.1)	1.3(0.26)	1.0 (0.8-1.4)	0.0(0.92)	0.9 (0.7-1.2)	0.2(0.63)	0.8 (0.5-1.4)	0.6(0.45)
Specific Phobia	1.0 (0.8-1.1)	0.6(0.44)	1.0 (0.8-1.2)	0.1(0.78)	1.0 (0.8-1.1)	0.3(0.56)	1.0 (0.8-1.3)	0.0(0.98)	0.9 (0.7-1.4)	0.1(0.72)
Social Phobia	0.9 (0.7-1.0)	2.9(0.09)	1.0 (0.8-1.2)	0.2(0.69)	1.2 (1.0-1.5)	3.7(0.06)	0.9 (0.7-1.2)	0.4(0.51)	1.1 (0.7-1.6)	0.2(0.69)
PTSD	0.8* (0.6-1.0)*	4.8(0.03)*	0.7* (0.6-1.0)*	5.0(0.03)*	0.8 (0.6-1.1)	1.6(0.20)	0.7* (0.5-0.9)*	10.3(0.001)*	0.9 (0.5-1.6)	0.1(0.76)
OCD	1.0 (0.8-1.3)	0.0(0.84)	1.0 (0.8-1.5)	0.3(0.60)	1.0 (0.7-1.4)	0.0(0.99)	1.2 (0.8-1.7)	0.6(0.42)	1.2 (0.5-2.8)	0.2(0.66)
SAD	1.0 (0.8-1.1)	0.3(0.58)	1.0 (0.8-1.2)	0.0(0.92)	1.0 (0.8-1.2)	0.0(0.99)	1.1 (0.8-1.4)	0.4(0.52)	1.2 (0.8-1.8)	0.9(0.33)

Agoraphobia	1.2 (1.0-1.4)	3.6(0.06)	1.1 (0.8-1.4)	0.5(0.50)	1.0 (0.8-1.2)	0.1(0.73)	0.8 (0.6-1.1)	1.7(0.20)	0.9 (0.5-1.4)	0.4(0.51)
II. Mood Disorders										
MDD	0.9* (0.7-0.9)*	7.9(0.01)*	0.9 (0.7-1.1)	1.8(0.18)	0.8 (0.7-1.0)	3.1(0.08)	1.1 (0.9-1.4)	0.4(0.54)	1.1 (0.7-1.8)	0.3(0.56)
Dysthymia	0.8 (0.7-1.1)	2.5(0.11)	0.9 (0.7-1.2)	0.7(0.41)	0.8 (0.6-1.0)	3.1(0.08)	1.0 (0.7-1.4)	0.0(0.91)	1.4 (0.7-2.7)	0.8(0.37)
Bipolar Disorder	0.9 (0.7-1.1)	1.3(0.26)	0.9 (0.6-1.2)	0.9(0.34)	0.7* (0.5-0.9)*	9.3(0.002)*	1.2 (0.8-1.7)	0.4(0.50)	1.3 (0.6-2.7)	0.6(0.46)
III. Impulse-Control Disorders										
ODD	0.8* (0.7-1.0)*	4.0(0.05)*	0.8 (0.6-1.0)	2.9(0.09)	0.9 (0.6-1.2)	0.7(0.41)	1.0 (0.7-1.4)	0.0(0.98)	1.2 (0.6-2.5)	0.3(0.60)
Conduct Disorder	0.8* (0.6-1.0)*	4.0(0.05)*	0.7* (0.5-0.9)*	8.2(0.004)*	0.9 (0.7-1.2)	0.6(0.43)	1.1 (0.8-1.6)	0.3(0.60)	0.4* (0.2-0.7)*	12.2(<.001)*
ADHD	1.0 (0.8-1.3)	0.1(0.77)	1.0 (0.7-1.5)	0.0(0.90)	1.0 (0.7-1.3)	0.1(0.78)	0.8 (0.6-1.2)	0.8(0.36)	1.6 (0.8-3.3)	1.8(0.18)
IED	0.8* (0.7-0.9)*	10.0(0.002)*	0.8* (0.6-1.0)*	5.1(0.03)*	1.0 (0.9-1.3)	0.3(0.60)	0.9 (0.7-1.2)	0.5(0.47)	0.9 (0.6-1.3)	0.5(0.50)
IV. Substance Use Disorders										
Alcohol Abuse or Dep.	0.8* (0.7-1.0)*	5.6(0.02)*	0.9 (0.7-1.1)	0.6(0.45)	0.8 (0.7-1.0)	3.0(0.09)	1.0 (0.8-1.3)	0.1(0.79)	1.3 (0.8-2.1)	1.1(0.30)
Drug Abuse or Dep.	1.1 (0.9-1.4)	1.4(0.24)	0.9 (0.7-1.3)	0.2(0.65)	1.1 (0.8-1.5)	0.4(0.51)	1.0 (0.7-1.3)	0.0(0.85)	0.6 (0.3-1.1)	3.3(0.07)
df Interaction Test ^c	.* (-.)*	69.9(<.001)*	.* (-.)*	62.3(<.001)*	.* (-.)*	49.6(<.001)*	. (-.)	18.9(0.33)	.* (-.)*	36.3(0.004)*
(N) ^d	(26959)	(26959)	(26959)	(3326)	(3326)	(3326)	(1438)	(1438)	(1888)	(1888)

Abbreviations: GAD, Generalized Anxiety Disorder; PTSD, Posttraumatic Stress Disorder; OCD, Obsessive Compulsive Disorder; SAD, Separation Anxiety Disorder; MDD, Major Depressive Disorder; ODD, Oppositional Defiant Disorder; ADHD, Attention Deficit Hyperactivity Disorder; IED, Intermittent Explosive Disorder.

* Significant at the .05 level, two-sided test

^aEach column includes a separate multivariate model in survival framework, with all rows as predictors controlling for the following covariates: age, age-squared, age cohort, sex, and person-year.

^bNumber of other disorders represents the number of disorders in addition to the first one counted, so cases with 1 disorder will have 0 other disorders, cases with 2 disorders will have 1 other disorders, and so on. This is used in the multivariate model because the individual disorders are also in the model, and including a continuous number of disorder from 0,1,2,... will cause the model to overfit.

^cMulti-df tests assess the overall interactions. This group effect test only includes all of the interactions and not all of the independent variables.

^dDenominator sample size of the models.