

Appendix Table 1. Disaggregated lifetime prevalence estimates of DSM-IV/CIDI major depressive episode (MDE) in the NCS-R (n=9282)

	Prevalence ¹		Proportion of all MDE	
	%	(se)	%	(se)
Bipolar I-II	1.8	(0.2)	9.0	(0.9)
Sub-threshold BPD	0.8	(0.1)	4.2	(0.5)
Core hypomanic symptoms	6.6	(0.4)	33.3	(1.3)
Non-bipolar irritable MDE	5.6	(0.2)	28.5	(1.1)
Non-bipolar non-irritable MDE	5.0	(0.2)	25.1	(1.0)
Total MDE	19.7	(0.5)		
(n) ²		(9282)		(1878)

¹Prevalence estimates are reported on the base of the entire sample. For example, the 1.8% prevalence of MDE with BPD I-II means that 1.8% of the sample both met lifetime criteria for MDE and lifetime criteria for BPD I-II.

²The reported sample sizes are unweighted and assessed in the part I sample.

Appendix Table 2. Onset and course of irritable and non-irritable DSM-IV/CIDI MDD

	Irritable		Non-irritable MDE		F/ χ^2
	Est	(se)	Est	(se)	
Mean age of onset	26.9*	(0.8)	31.3	(0.9)	11.6* ¹
Mean years in episode	5.3	(0.4)	5.1	(0.9)	1.1 ¹
12-month:Lifetime prevalence (n) ³	37.8*	(2.5)	28.8	(1.6)	7.4* ²
		(525)		(480)	

*Significant difference between irritable and non-irritable cases at the .05 level, two-sided test

¹F test with 1 and 953 degrees of freedom

² χ^2 test with 1 degree of freedom

³The reported sample sizes are unweighted and assessed in the part I sample.

Appendix Table 3. Symptom profiles¹ of irritable and non-irritable DSM-IV/CIDI MDE

	Irritable		Non-irritable		χ^2
	%	(se)	%	(se)	
Sad mood	99.2	(0.5)	98.6	(0.7)	0.3
Loss of interest	86.0	(2.2)	85.0	(1.8)	1.2
Appetite or weight disturbance					
Appetite/weight gain	18.5	(2.2)	15.8	(2.1)	1.5
Appetite/weight loss	66.3	(2.7)	72.7	(2.5)	1.8
Sleep disturbance					
Hypersomnia	16.7	(1.7)	17.5	(1.5)	0.1
Insomnia	76.1	(1.9)	73.9	(1.7)	2.2
Activity disturbance					
Psychomotor agitation	8.6	(1.6)	7.3	(0.9)	0.6
Psychomotor retardation	39.3	(2.6)	37.2	(2.5)	1.6
Fatigue	87.5*	(1.6)	83.5	(1.9)	11.0*
Self-reproach or guilt	79.2*	(1.6)	65.9	(1.9)	34.5*
Poor concentration or indecisiveness	88.9	(1.3)	87.4	(1.9)	2.1
Morbid thoughts of death	68.0	(2.6)	65.5	(2.4)	3.1
(n) ²	(525)		(480)		

*Significant difference between irritable and non-irritable MDE at the .05 level, two-sided test

¹Refers to symptoms in persons with a major depressive episode in the last 12 months.

²The reported sample sizes are unweighted and assessed in the part I sample.

Appendix Table 4. Clinical severity (Quick Inventory of Depressive Symptomatology Self-Report) of 12-month¹ irritable and non-irritable DSM-IV/CIDI MDD

	Irritable		Non-irritable	
	%	(se)	%	(se)
Mild	10.4	(2.1)	15.7	(3.0)
Moderate	40.9	(3.9)	39.3	(3.7)
Severe	38.8	(3.3)	28.9	(3.2)
Very severe	9.9	(2.6)	16.1	(2.7)
(n) ²	(206)		(145)	

*Significance of difference between irritable and non-irritable MDE: $\chi^2_3 = 6.7$, $p = .08$

¹12-month MDD is an episode of MDD that occurred at any time within one year of the interview. Severity was assessed for the most severe month in the past year.

²The reported sample sizes are unweighted and assessed in the part I sample. Cases are 12-mo cases instead of Lifetime compared to previous tables.

Appendix Table 5. Role disability (Mean Sheehan Disability Scale score) of 12-month¹ irritable and non-irritable DSM-IV/CIDI MDE

	Irritable		Non-irritable		F _{1,339}
	Mean	(se)	Mean	(se)	
Home	5.2	(0.2)	5.0	(0.3)	0.2
Work	4.4	(0.2)	4.0	(0.4)	0.8
Interpersonal	4.7	(0.2)	4.2	(0.3)	3.4
Social	5.6	(0.2)	5.1	(0.3)	2.3
Maximum disability	6.9	(0.2)	6.4	(0.2)	2.5
(n) ²	(206)		(145)		

*Significant difference between irritable and non-irritable MDE at the .05 level, two-sided test

¹12-month MDD is an episode of MDD that occurred at any time within one year of the interview. Role disability was assessed for the most severe month in the past year.

²The reported sample sizes are unweighted and represents the 12-month irritable/non-irritable cases in the part I sample.

Appendix Table 6. Socio-demographic correlates of lifetime irritable and non-irritable DSM-IV/CIDI MDE

	Irritable				Non-irritable				Irritable: Non-irritable	
	%	(se)	OR	(95% CI)	%	(se)	OR	(95% CI)	χ^2	df
Sex										
Female	8.1	(0.4)	1.7*	(1.4-2.1)	7.3	(0.5)	2.0*	(1.6-2.5)	1.1	1
Male	5.0	(0.4)	1.0	---	3.9	(0.4)	1.0	---		
χ^2_1	22.1*				36.5*					
Age										
18-29	6.0	(0.6)	1.6*	(1.2-2.3)	2.6	(0.4)	0.4*	(0.3-0.6)	53.3**	3
30-44	8.3	(0.7)	2.3*	(1.7-3.2)	5.3	(0.5)	0.9	(0.7-1.3)		
45-59	7.6	(0.6)	2.1*	(1.5-2.9)	8.9	(0.8)	1.7*	(1.2-2.4)		
60+	3.8	(0.5)	1.0	---	5.6	(0.7)	1.0	---		
χ^2_3	31.0*				73.7*					
Education										
0-11	3.9	(0.6)	1.0	---	3.7	(0.7)	1.0	---	21.1**	3
12	6.4	(0.5)	1.7*	(1.2-2.4)	5.2	(0.4)	1.3	(0.9-2.0)		
13-15	7.3	(0.5)	1.9*	(1.3-2.8)	6.0	(0.6)	1.5*	(1.1-2.2)		
16+	7.7	(0.6)	2.1*	(1.4-3.0)	7.5	(0.6)	1.9*	(1.2-2.9)		
χ^2_3	16.3*				22.4*					
Employment status										
Work	7.1	(0.4)	1.0	---	6.1	(0.4)	1.0	---	7.7	4
Student	6.0	(2.0)	0.8	(0.4-1.8)	0.9	(0.7)	0.2*	(0.0-0.6)		
Homemaker	6.2	(1.0)	0.9	(0.6-1.3)	5.1	(1.1)	0.8	(0.5-1.4)		
Retired	3.9	(0.5)	0.5*	(0.4-0.7)	5.4	(0.9)	0.9	(0.6-1.3)		
Other	8.0	(1.6)	1.1	(0.7-1.9)	5.4	(0.8)	1.0	(0.8-1.4)		
χ^2_4	23.5*				8.1					
Family Income²										
Low	5.6	(0.6)	1.0	---	4.6	(0.6)	1.0	---	0.6	3
Low average	5.5	(0.5)	1.0	(0.7-1.4)	4.9	(0.7)	1.1	(0.7-1.6)		
High average	6.9	(0.5)	1.3	(1.0-1.7)	6.2	(0.5)	1.4*	(1.0-1.9)		
High	8.3	(0.8)	1.5*	(1.2-2.0)	6.6	(0.5)	1.6*	(1.1-2.1)		
χ^2_3	13.9*				17.3*					
Marital status										
Married/cohabitating	5.6	(0.3)	1.0	---	5.6	(0.4)	1.0	---	2.3	2
Separated/widowed/divorced	8.8	(0.7)	1.6*	(1.3-2.0)	9.1	(1.0)	1.7*	(1.3-2.3)		
Never married	6.9	(0.6)	1.2	(1.0-1.6)	2.9	(0.5)	0.5*	(0.3-0.7)		
χ^2_2	21.5*				62.3*					
Race/ethnicity										
Hispanic	4.6	(0.8)	0.6*	(0.4-0.9)	4.5	(0.8)	0.7	(0.5-1.0)	4.7	3
Black	3.7	(0.6)	0.5*	(0.4-0.7)	2.2	(0.6)	0.4*	(0.2-0.6)		
Other	8.1	(1.4)	1.1	(0.8-1.7)	4.3	(1.0)	0.6*	(0.4-0.9)		
White	7.2	(0.3)	1.0	---	6.5	(0.4)	1.0	---		
χ^2_3	23.9*				19.3*					
Region										
Northeast	6.5	(0.7)	1.0	---	5.6	(0.9)	1.0	---	3.2	3
South	6.7	(0.7)	1.0	(0.8-1.4)	5.6	(0.6)	1.1	(0.8-1.5)		
Midwest	6.0	(0.5)	0.9	(0.7-1.2)	5.0	(0.6)	0.9	(0.7-1.3)		
West	7.3	(0.5)	1.1	(0.8-1.5)	7.0	(0.7)	1.3	(1.0-1.9)		
χ^2_3	3.3				8.5*					
(n) ¹	(525)		(7929)		(480)		(7884)			

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

**Significant difference between irritable and non-irritable MDE at the .05 level, two-sided test

¹The reported sample sizes are unweighted. Prevalences represent the cases with irritable/non-irritable MDE among the demographic categories, while the models are assessed among cases without Lifetime MDE in addition to people with either irritable or non-irritable MDE. There are 7404 cases in the part I sample without Lifetime MDE, and 525/480 cases for irritable/non-irritable respectively. Thus the models for irritable MDE are in a subsample of 7404+525 while for non-irritable MDE, it is 7404+480.

²Income was assessed in the part II sample. Models assessed among part II cases without Lifetime MDE and part II cases with irritable/non-irritable MDE.

Appendix Table 7. Lifetime comorbidity of irritable and non-irritable DSM-IV/CIDI MDE with other DSM-IV/CIDI disorders

	Irritable				Non-irritable				Irritable: Non-irritable χ^2_1
	%	(se)	OR	(95%CI)	%	(se)	OR	(95% CI)	
Mood disorders									
Dysthymia	16.4	(1.6)	51.6*	(25.4-104.6)	11.8	2.1	31.3*	(15.6-62.8)	4.4**
Anxiety disorders									
GAD	25.3	(1.5)	9.2*	(7.1-11.8)	16.4	1.9	4.9*	(3.5-6.9)	17.0**
Panic attack	46.4	(2.1)	2.9*	(2.4-3.6)	37.8	2.7	2.1*	(1.7-2.7)	6.6**
Panic disorder	9.4	(1.3)	3.1*	(2.2-4.3)	8.2	1.5	2.6*	(1.7-4.1)	0.3
Social phobia	23.5	(1.6)	3.4*	(2.8-4.2)	17.0	1.7	2.4*	(1.9-3.1)	6.3**
Specific phobia	20.3	(1.6)	2.3*	(1.8-2.9)	17.3	1.8	1.9*	(1.5-2.4)	1.5
Agoraphobia	3.5	(0.9)	2.8*	(1.6-4.9)	3.9	1.0	3.1*	(1.8-5.7)	0.1
Post-traumatic stress disorder ³	16.6	(1.8)	4.2*	(3.0-6.0)	11.3	1.4	2.8*	(1.9-4.0)	3.6
Separation anxiety disorder ³	5.6	(1.0)	1.8*	(1.2-2.6)	7.0	2.0	2.6*	(1.6-4.4)	1.5
Obsessive-compulsive disorder ⁵	2.2	(0.7)	1.8*	(1.2-2.6)	0.5	0.5	1.5	(0.2-12.2)	2.3
Any anxiety disorder ³	54.0	(1.8)	4.4*	(3.6-5.3)	44.8	2.9	3.2*	(2.6-4.0)	8.2**
Impulse-control disorders									
Attention-deficit/hyperactivity disorder ⁴	6.2	(1.4)	2.3*	(1.2-4.2)	3.6	1.6	1.4	(0.6-3.4)	1.6
Oppositional defiant disorder ⁴	7.5	(1.2)	1.9*	(1.1-3.3)	4.8	1.6	1.5	(0.9-2.6)	0.4
Intermittent explosive disorder	12.9	(1.6)	2.6*	(1.9-3.6)	5.5	1.1	1.3	(0.8-2.0)	5.9**
Any impulse-control disorder ³	22.3	(1.7)	2.7*	(2.0-3.7)	10.4	2.0	1.5	(0.9-2.3)	4.5**
Substance disorders									
Alcohol abuse ³	16.2	(2.7)	1.9*	(1.2-3.1)	16.0	2.6	2.1*	(1.4-3.1)	0.1
Alcohol dependence ³	7.2	(1.2)	2.2*	(1.4-3.6)	5.7	1.1	1.9*	(1.3-2.9)	0.4
Drug abuse ³	10.2	(1.8)	2.0*	(1.2-3.1)	10.0	1.7	2.5*	(1.6-3.9)	0.5
Drug dependence ³	2.4	(0.7)	1.3	(0.7-2.5)	4.9	1.7	3.7*	(1.9-7.3)	4.3**
Any substance disorder ³	17.8	(2.7)	1.8*	(1.2-2.9)	17.8	2.5	2.1*	(1.5-3.0)	0.2
Any disorder ³	70.1	(2.2)	5.0*	(4.0-6.3)	57.9	2.9	3.3*	(2.6-4.2)	5.5**
(n) ¹	(525)		(7929)		(480)		(7884)		

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

**Significant difference between irritable and non-irritable MDE at the .05 level, two-sided test

¹The reported sample sizes are unweighted. Prevalences represent the cases with the DSM-IV diagnosis among cases with irritable/non-irritable MDE, while the models are assessed among cases without Lifetime MDE in addition to people with either irritable or non-irritable MDE. There are 7404 cases in the part I sample without Lifetime MDE, and 525/480 cases for irritable/non-irritable respectively. Thus the models for irritable MDE are in a subsample of 7404+525 while for non-irritable MDE, it is 7404+480.²The χ^2 values are for the significance of the difference between irritable and non-irritable MDD

³Assessed in the part II sample. Models assessed among part II cases without Lifetime MDE and part II cases with irritable/non-irritable MDE.

⁴Assessed in a random one-third of the part II sample.

⁵Assessed in the part II sample among respondents in the age range 18-44.

Appendix Table 8. Treatment of 12-month¹ irritable and non-irritable DSM-IV/CIDI MDE by clinical severity and sector of treatment

	Any treatment ²				Treatment by a psychiatrist				Sample sizes ³	
	Irritable		Non-irritable		Irritable		Non-irritable		Irritable	Non-irritable
	%	(se)	%	(se)	%	(se)	%	(se)		
Mild	49.4	(4.6)	51.3	(4.7)	16.5	(6.7)	25.4	(6.1)	(46)	(42)
Moderate	68.5*	(3.5)	53.6	(5.6)	17.4	(4.2)	21.5	(3.6)	(75)	(46)
Severe	66.5	(7.6)	56.7	(6.7)	25.2	(6.2)	26.6	(2.2)	(69)	(35)
Very severe	84.5*	(0.1)	51.4	(8.5)	84.5*	(0.1)	43.8	(9.2)	(15)	(17)
Total	64.5	(3.6)	53.5	(4.5)	24.7	(2.8)	26.8	(3.5)	(205)	(140)
(n)	(205)		(140)		(205)		(140)			

*Significant difference between irritable and non-irritable MDE at the .05 level, two-sided test

¹12-month MDD is an episode of MDD that occurred at any time within one year of the interview.

²Any treatment includes treatment by a psychiatrist, another mental health professional, a general medical professional, a human services professional (e.g., spiritual advisor, social worker in a social services agency), and in the complementary-alternative medical sector (e.g., relaxation therapist, self-help group)

³The reported sample sizes are unweighted and assessed in the part II sample.

Appendix figure 1. Age of onset for MDE

