Appendix table 1a. Bivariate associations of sociodemographic variables with 12-month suicide ideation, plan and attempts in developed WMH Countries[1]

Demographic variable	Categories	Among total sample of developed WMH countries		Among 12 Month Ideators in developed WMH Countries					
		Ideation		Plan		Planned Attempt		Unplanned Attempt	
		OR	(95% CI)	OR	(95% CI)	OR	(95% CI)	OR	(95% CI)
4-Category Age	Less than 35	4.8	(3.5-6.5)	1.9	(0.8-4.5)	1.6	(0.2-14.9)	4.5	(1.6-12.7)
	35-49	3.7	(2.7-5.1)	1.9	(0.8-4.6)	1.2	(0.1-10.5)	3.5	(1.2-9.9)
	50-64	2.3	(1.6-3.1)	1.9	(0.8-4.5)	0.5	(0.1-5.0)	1.0	(1.0-1.0)
	65 or older	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	.	(.-.)
	X^2_3 (p-value)	123.7	(<.001)*	2.3	'(0.51)	7.6	'(0.05)	8.0	(0.018)*
Dichotomized Age	Less than 50	2.5	(2.1-3.0)	1.2	(0.8-1.7)	2.4	(1.0-5.5)	5.7	(2.1-14.9)
	50 or older	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	X^2_1 (p-value)	107.6	(<.001)*	0.7	'(0.40)	4.0	(0.045)*	12.3	(<.001)*
Sex	Female	1.3	(1.1-1.5)	0.8	(0.6-1.2)	1.2	(0.7-2.2)	0.8	(0.4-1.4)
	Male	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	X^2_1 (p-value)	12.5	(<.001)*	1.1	'(0.29)	0.5	'(0.49)	0.8	'(0.36)
Education	Low	1.7	(1.4-2.2)	1.6	(0.9-2.7)	0.7	(0.3-2.1)	2.4	(0.8-7.0)
	Low-average	1.5	(1.1-1.9)	1.4	(0.8-2.5)	0.8	(0.3-2.2)	2.1	(0.7-6.1)
	High-average	1.5	(1.2-1.9)	1.9	(1.1-3.2)	0.8	(0.3-2.3)	1.4	(0.5-4.1)
	High	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	X^2_3 (p-value)s	20.4	(<.001)*	5.4	'(0.15)	0.3	'(0.96)	3.2	'(0.35)
Income level[2]	Low	3.0	(2.2-4.0)	1.5	(0.8-2.8)	2.3	(0.7-6.9)	1.6	(0.5-4.8)
	Low-average	2.2	(1.6-2.8)	1.5	(0.8-2.7)	1.8	(0.6-5.8)	1.0	(0.3-3.0)
	High-average	1.5	(1.2-2.1)	1.0	(0.5-1.9)	1.1	(0.3-3.8)	0.7	(0.2-2.5)
	High	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	X^2_3 (p-value)	65.8	(<.001)*	5.9	'(0.12)	4.4	'(0.22)	3.1	'(0.38)
Marital Status	married or cohabitated	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	separated, widowed, or divorced	2.2	(1.8-2.6)	1.1	(0.8-1.6)	1.8	(0.8-4.0)	1.3	(0.7-2.7)
	never married	2.8	(2.4-3.3)	1.1	(0.8-1.6)	1.7	(0.9-3.4)	1.7	(0.9-3.2)
	X^2_2 (p-value)	160.2	(<.001)*	0.4	'(0.81)	3.4	'(0.18)	3.2	'(0.21)
Employment	Working	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	Student	1.7	(1.3-2.4)	0.5	(0.3-1.0)	2.5	(0.6-9.9)	0.6	(0.1-2.5)
	Homemaker	1.1	(0.8-1.4)	1.6	(0.9-2.6)	0.6	(0.2-1.5)	0.4	(0.1-1.3)
	Retired	0.4	(0.3-0.5)	0.9	(0.4-1.9)	0.8	(0.1-5.5)	.	(.-.)
	Other	3.2	(2.5-3.9)	2.1	(1.4-3.1)	3.0	(1.4-6.7)	1.0	(0.5-2.2)
	X^2_4 (p-value)	203.1	(<.001)*	19.8	(<.001)*	12.7	(0.013)*	2.9	'(0.40)
	(numerator / denominator N)[3]	(1064 / 51771)		(327 / 1064)		(110 / 327)		(63 / 737)	

*Significant at the .05 level, two-sided test
[1]based on logistic regression analysis controlling for country
[2]Family income classified into four categories based on the ratio of income to number of family members: less than or equal to the official Department of Labor federal poverty line (defined in the table as families living in poverty), 1-3, 3-6, and 6+ times the poverty line
[3]Numerator n refers to the number of cases with each suicide outcome, denominator n refers to the number of cases in the total sample or in the conditional sample among ideators, ideators with a plan and ideators without a plan

Appendix table 1b. Bivariate associations of sociodemographic variables with 12-month suicide ideation, plan and attempts in developing WMH Countries[1]

Demographic variable	Categories	Among total sample of developing WMH countries		Among 12 Month Ideators in developing WMH countries					
		Ideation		Plan		Planned Attempt		Unplanned Attempt	
		OR	(95% CI)	OR	(95% CI)	OR	(95% CI)	OR	(95% CI)
4-Category Age	Less than 35	1.2	(0.9-1.6)	1.4	(0.7-2.7)	1.5	(0.4-4.9)	6.3	(0.8-51.5)
	35-49	0.9	(0.7-1.2)	1.2	(0.6-2.4)	0.9	(0.3-2.9)	7.5	(0.9-59.6)
	50-64	0.8	(0.6-1.1)	1.2	(0.6-2.4)	1.1	(0.3-3.9)	4.8	(0.6-40.4)
	65 or older	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	X^2_3 (p-value)	25.1	(<.001)*	1.3	'(0.72)	3.2	'(0.36)	4.0	'(0.26)
Dichotomized Age	Less than 50	1.3	(1.1-1.5)	1.1	(0.8-1.7)	1.1	(0.6-2.1)	1.8	(0.7-4.5)
	50 or older	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	X^2_1 (p-value)	10.7	(0.001)*	0.4	'(0.51)	0.2	'(0.70)	1.8	'(0.18)
Sex	Female	1.5	(1.3-1.7)	0.9	(0.6-1.2)	1.1	(0.6-1.8)	0.8	(0.4-1.5)
	Male	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	X^2_1 (p-value)	25.1	(<.001)*	0.8	'(0.38)	0.0	'(0.85)	0.6	'(0.45)
Education	Low	1.6	(1.2-2.1)	1.4	(0.8-2.4)	1.3	(0.5-3.4)	0.4	(0.1-1.3)
	Low-average	1.6	(1.2-2.1)	1.3	(0.8-2.2)	1.6	(0.6-3.9)	0.8	(0.3-2.4)
	High-average	1.4	(1.1-1.8)	1.4	(0.9-2.4)	2.1	(0.8-5.2)	0.8	(0.2-2.5)
	High	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	X^2_3 (p-value)	15.9	(0.001)*	2.1	'(0.54)	2.9	'(0.41)	2.7	'(0.44)
Income level[2]	Low	1.3	(1.0-1.6)	1.7	(1.1-2.7)	1.5	(0.7-2.8)	0.5	(0.2-1.3)
	Low-average	1.5	(1.2-2.0)	0.9	(0.6-1.5)	0.8	(0.4-1.7)	0.4	(0.2-1.2)
	High-average	1.2	(0.9-1.6)	0.8	(0.4-1.4)	1.0	(0.5-2.3)	0.7	(0.2-2.0)
	High	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	X^2_3 (p-value)	11.0	(0.011)*	16.5	(<.001)*	3.1	'(0.38)	3.3	'(0.35)
Marital Status	married or cohabitated	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	separated, widowed, or divorced	1.4	(1.2-1.7)	1.3	(0.9-2.0)	0.8	(0.4-1.7)	0.7	(0.2-2.6)
	never married	1.1	(0.9-1.3)	1.1	(0.8-1.5)	1.1	(0.6-2.0)	0.7	(0.3-1.8)
	X^2_2 (p-value)	12.0	(0.002)*	1.9	'(0.38)	0.7	'(0.69)	0.7	'(0.70)
Employment	Working	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)	1.0	(1.0-1.0)
	Student	1.2	(0.8-1.8)	1.0	(0.5-2.2)	1.8	(0.5-6.4)	9.4	(2.5-35.3)
	Homemaker	1.5	(1.3-1.9)	1.0	(0.7-1.4)	1.2	(0.7-2.0)	0.5	(0.2-1.2)
	Retired	1.2	(0.9-1.6)	0.7	(0.4-1.3)	1.2	(0.4-3.7)	0.6	(0.1-2.9)
	Other	2.4	(1.9-3.0)	1.2	(0.8-1.9)	2.9	(1.5-5.6)	1.3	(0.5-3.0)
	X^2_4 (p-value)	66.5	(<.001)*	2.4	'(0.66)	10.9	(0.028)*	18.2	(0.001)*
	(numerator / denominator N)[3]	(1197 / 56893)		(414 / 1197)		(176 / 414)		(60 / 783)	

*Significant at the .05 level, two-sided test
[1]based on logistic regression analysis controlling for country
[2]Family income classified into four categories based on the ratio of income to number of family members: less than or equal to the official Department of Labor federal poverty line (defined in the table as families living in poverty), 1-3, 3-6, and 6+ times the poverty line
[3]Numerator n refers to the number of cases with each suicide outcome, denominator n refers to the number of cases in the total sample or in the conditional sample among ideators, ideators with a plan and ideators without a plan

Appendix Table 2a. Bivariate associations of parental psychopathology and other childhood family adversities with 12-month suicide ideation, plan and attempts in developed WMH countries[1]

	Among total sample of developed WMH countries		Among 12 Month Ideators in developed WMH countries					
	Ideation		Plan		Planned Attempt		Unplanned Attempt	
	OR(95% CI)	χ^2(p-value)	OR(95% CI)	χ^2(p-value)	OR(95% CI)	χ^2(p-value)	OR(95% CI)	χ^2(p-value)
I. Parental psychopathology								
Parent Disorders								
Parent Suicide	3.7* (2.4-5.8)*	32.3(<.001)*	0.8 (0.3-1.9)	0.3(0.60)	0.4 (0.1-2.0)	1.2(0.27)	0.9 (0.1-6.9)	0.0(0.95)
Parent Depression	3.8* (2.4-6.0)*	32.6(<.001)*	2.0 (0.9-4.1)	3.2(0.07)	2.1 (0.7-6.5)	1.8(0.18)	0.5 (0.1-2.2)	0.9(0.34)
Parent Panic	2.8* (1.8-4.3)*	19.3(<.001)*	1.0 (0.5-1.8)	0.0(0.97)	2.9 (0.8-10.0)	2.8(0.10)	1.3 (0.3-5.3)	0.1(0.72)
Parent GAD	4.0* (2.7-5.9)*	46.0(<.001)*	1.5 (0.7-3.1)	1.0(0.32)	1.4 (0.4-4.8)	0.3(0.59)	1.1 (0.3-3.6)	0.0(0.88)
Parent Substance Abuse	2.1* (1.4-3.0)*	14.7(<.001)*	1.3 (0.7-2.7)	0.7(0.41)	0.6 (0.2-2.1)	0.5(0.46)	2.1 (0.8-5.6)	2.0(0.16)
Parent ASP	2.9* (2.0-4.2)*	33.5(<.001)*	1.2 (0.5-2.5)	0.1(0.71)	2.5 (0.7-9.6)	1.9(0.17)	1.5 (0.6-3.6)	0.8(0.38)
II. Other childhood family adversities								
Parent Death	1.0 (0.7-1.4)	0.0(0.91)	1.0 (0.5-2.1)	0.0(0.95)	0.8 (0.2-2.6)	0.1(0.71)	1.5 (0.4-6.5)	0.3(0.57)
Parent Divorce	2.0* (1.5-2.8)*	20.3(<.001)*	0.9 (0.5-1.7)	0.0(0.85)	2.7 (0.9-7.6)	3.3(0.07)	0.8 (0.3-2.2)	0.2(0.69)
Other Parent Loss	2.5* (1.7-3.5)*	23.6(<.001)*	1.0 (0.5-2.2)	0.0(0.90)	0.4 (0.1-1.5)	1.7(0.19)	2.2 (0.5-8.9)	1.2(0.27)
Parent Criminal	2.4* (1.8-3.3)*	32.6(<.001)*	1.0 (0.5-2.2)	0.0(0.98)	3.8 (0.8-18.6)	2.6(0.10)	2.7 (0.7-10.0)	2.2(0.14)
Physical abuse	4.8* (3.9-5.8)*	233.8(<.001)*	1.6* (1.0-2.4)*	4.7(0.030)*	2.3* (1.2-4.5)*	5.7(0.016)*	2.8* (1.4-5.6)*	8.1(0.005)*
Sexual abuse	4.3* (3.4-5.4)*	154.9(<.001)*	1.6* (1.0-2.6)*	4.3(0.039)*	2.3* (1.1-4.7)*	5.3(0.022)*	2.2 (0.8-6.0)	2.6(0.11)
Neglect	3.2* (2.1-4.8)*	31.3(<.001)*	3.6* (1.9-6.6)*	16.7(<.001)*	2.0 (0.8-5.0)	2.0(0.16)	4.4* (1.1-17.3)*	4.6(0.032)*
Physical Illness	1.6* (1.2-2.2)*	9.4(0.002)*	1.2 (0.6-2.1)	0.2(0.65)	1.8 (0.7-4.5)	1.4(0.24)	1.8 (0.8-4.4)	1.9(0.17)
Family violence	2.9* (2.3-3.6)*	91.8(<.001)*	1.5 (1.0-2.3)	3.7(0.06)	2.0 (0.9-4.0)	3.3(0.07)	3.6* (1.9-7.0)*	15.0(<.001)*
Economic adversity	1.7* (1.2-2.5)*	7.8(0.005)*	2.2* (1.2-4.0)*	6.9(0.009)*	1.6 (0.6-4.7)	0.9(0.35)	2.3 (0.6-9.1)	1.3(0.26)
(numerator / denominator N)2	(965 / 27963)		(317 / 965)		(107 / 317)		(60 / 648)	

*Significant at the .05 level, two-sided test
[1]Based on logistic regression analysis contolling for country

[2]Numerator n refers to the number of cases with each suicide outcome, denominator n refers to the number of cases in the total sample or in the conditional sample among ideators, ideators with a plan and ideators without a plan

Appendix Table 2b. Bivariate associations of parental psychopathology and other childhood family adversities with 12-month suicide ideation, plan and attempts in developing WMH countries[1]

	Among total sample of developing WMH countries		Among 12 Month Ideators in developing WMH countries					
	Ideation		Plan		Planned Attempt		Unplanned Attempt	
	OR(95% CI)	χ^2(p-value)	OR(95% CI)	χ^2(p-value)	OR(95% CI)	χ^2(p-value)	OR(95% CI)	χ^2(p-value)
I. Parental psychopathology								
Parent Disorders								
Parent Suicide	2.8* (1.8-4.2)*	23.6(<.001)*	2.5* (1.3-4.8)*	7.7(0.006)*	1.3 (0.4-3.9)	0.2(0.62)	0.7 (0.1-3.2)	0.2(0.62)
Parent Depression	3.0* (2.0-4.6)*	28.1(<.001)*	1.3 (0.6-2.7)	0.5(0.50)	1.0 (0.4-2.4)	0.0(0.96)	2.8 (0.9-9.1)	3.1(0.08)
Parent Panic	2.8* (2.2-3.5)*	67.3(<.001)*	2.3* (1.4-3.7)*	11.5(<.001)*	1.5 (0.7-3.3)	1.2(0.27)	1.5 (0.5-4.4)	0.5(0.47)
Parent GAD	3.3* (2.3-4.8)*	40.5(<.001)*	1.3 (0.7-2.3)	0.6(0.46)	1.1 (0.3-3.5)	0.0(0.93)	3.5* (1.1-11.4)*	4.2(0.041)*
Parent Substance Abuse	2.5* (1.9-3.2)*	43.4(<.001)*	0.7 (0.5-1.1)	1.9(0.16)	0.9 (0.4-1.7)	0.2(0.67)	0.5 (0.2-1.3)	2.2(0.14)
Parent ASP	3.0* (2.2-4.1)*	49.9(<.001)*	0.9 (0.4-1.8)	0.1(0.74)	1.0 (0.4-2.7)	0.0(0.95)	0.5 (0.1-2.1)	0.9(0.34)
II. Other childhood family adversities								
Parent Death	1.4* (1.1-1.8)*	9.2(0.002)*	0.9 (0.6-1.4)	0.1(0.71)	1.3 (0.7-2.3)	0.7(0.40)	0.6 (0.2-2.1)	0.6(0.42)
Parent Divorce	1.2 (0.8-1.6)	0.9(0.34)	0.9 (0.6-1.6)	0.0(0.85)	1.2 (0.4-3.2)	0.1(0.76)	0.3 (0.1-1.8)	1.7(0.19)
Other Parent Loss	2.1* (1.6-2.8)*	24.9(<.001)*	0.9 (0.6-1.4)	0.3(0.61)	1.0 (0.3-2.9)	0.0(0.99)	0.3 (0.1-1.5)	2.0(0.16)
Parent Criminal	2.5* (1.9-3.4)*	38.3(<.001)*	0.9 (0.4-1.8)	0.1(0.75)	0.9 (0.3-2.5)	0.0(0.88)	1.4 (0.3-5.5)	0.2(0.67)
Physical abuse	3.0* (2.4-3.7)*	100.8(<.001)*	1.3 (0.8-2.1)	1.5(0.23)	1.1 (0.6-2.1)	0.2(0.69)	1.0 (0.5-1.9)	0.0(0.90)
Sexual abuse	4.0* (2.5-6.3)*	35.7(<.001)*	2.0 (0.8-4.6)	2.4(0.12)	1.6 (0.4-6.8)	0.3(0.56)	1.8 (0.5-6.6)	0.7(0.40)
Neglect	2.3* (1.8-3.0)*	38.7(<.001)*	1.6 (0.9-3.0)	2.5(0.11)	0.8 (0.3-1.9)	0.3(0.61)	1.2 (0.4-3.8)	0.1(0.75)
Physical Illness	2.0* (1.4-2.8)*	12.9(<.001)*	1.1 (0.6-2.1)	0.0(0.83)	1.4 (0.4-4.6)	0.4(0.55)	2.1 (0.5-8.6)	1.0(0.32)
Family violence	2.3* (1.8-2.9)*	50.8(<.001)*	1.6* (1.0-2.6)*	4.0(0.045)*	1.4 (0.7-2.6)	0.9(0.35)	1.0 (0.3-3.0)	0.0(1.00)
Economic adversity	1.7* (1.1-2.5)*	6.4(0.011)*	1.0 (0.5-2.3)	0.0(0.93)	0.4 (0.1-1.3)	2.5(0.12)	0.5 (0.1-4.8)	0.3(0.57)
(numerator / denominator N)[2]	(1040 / 26959)		(412 / 1040)		(173 / 412)		(59 / 628)	

*Significant at the .05 level, two-sided test
[1]Based on bivariate logistic regression analysis controlling for country
[2]Numerator n refers to the number of cases with each suicide outcome, denominator n refers to the number of cases in the total sample or in the conditional sample among ideators, ideators with a plan and ideators without a plan

Appendix Table 3a. Bivariate associations 12-month DSM-IV/CIDI disorders with 12-month suicide ideation, plan and attempts in developed WMH countries[1]

	Among total sample of developed WMH countries				Among 12 Month Ideators in WMH developed countries			
	Ideation		Plan		Planned Attempt		Unplanned Attempt	
	OR(95% CI)	χ^2(p-value)	OR(95% CI)	χ^2(p-value)	OR(95% CI)	χ^2(p-value)	OR(95% CI)	χ^2(p-value)
12-month DSM-IV disorders[2]								
I. Anxiety disorders								
Panic disorder	10.7* (8.5-13.6)*	391.8(<.001)*	2.2* (1.3-3.6)*	9.5(0.002)*	1.8 (0.9-3.6)	3.1(0.08)	1.3 (0.6-3.1)	0.4(0.54)
Agoraphobia without panic	8.8* (5.8-13.4)*	106.5(<.001)*	1.2 (0.6-2.5)	0.2(0.65)	1.2 (0.4-4.0)	0.1(0.76)	0.3 (0.0-1.9)	1.7(0.19)
Generalized anxiety disorder	8.6* (6.7-11.1)*	272.5(<.001)*	1.1 (0.7-1.8)	0.2(0.64)	1.1 (0.5-2.6)	0.0(0.84)	0.6 (0.2-1.6)	1.1(0.29)
Specific phobia	4.2* (3.5-5.0)*	227.8(<.001)*	1.8* (1.2-2.6)*	7.6(0.006)*	2.6* (1.4-5.0)*	8.3(0.004)*	1.0 (0.5-2.0)	0.0(0.95)
Social phobia	7.9* (6.5-9.6)*	443.1(<.001)*	2.0* (1.3-2.9)*	11.5(<.001)*	0.9 (0.5-1.7)	0.1(0.76)	1.4 (0.6-3.1)	0.5(0.46)
Post-traumatic stress disorder	8.2* (6.4-10.4)*	282.6(<.001)*	1.3 (0.8-2.1)	1.3(0.25)	1.6 (0.8-3.2)	1.8(0.18)	1.1 (0.5-2.7)	0.1(0.76)
Adult separation anxiety disorder	13.2* (8.3-21.2)*	116.1(<.001)*	1.6 (0.8-3.3)	1.8(0.18)	1.2 (0.3-4.6)	0.1(0.79)	1.4 (0.4-5.0)	0.3(0.56)
Any anxiety disorder	7.9* (6.6-9.5)*	507.2(<.001)*	2.2* (1.5-3.1)*	17.4(<.001)*	1.8 (0.9-3.7)	2.8(0.10)	1.4 (0.7-2.7)	0.9(0.33)
II. Mood disorders								
Major depressive disorder	12.9* (11.0-15.1)*	1039.6(<.001)*	2.0* (1.4-2.8)*	15.4(<.001)*	0.9 (0.5-1.6)	0.3(0.61)	1.6 (0.9-2.7)	2.7(0.10)
Dysthymic disorder	10.0* (7.2-14.0)*	182.8(<.001)*	2.3* (1.2-4.4)*	6.8(0.009)*	1.1 (0.3-3.7)	0.0(0.92)	0.3 (0.1-1.6)	2.0(0.16)
Bipolar disorder	8.8* (6.8-11.4)*	269.3(<.001)*	1.4 (0.9-2.3)	1.9(0.17)	1.5 (0.8-3.0)	1.4(0.24)	0.9 (0.3-2.3)	0.1(0.77)
Any mood disorder	15.3* (13.0-18.0)*	1106.8(<.001)*	2.2* (1.6-3.1)*	22.3(<.001)*	1.1 (0.6-2.0)	0.0(0.82)	1.5 (0.9-2.6)	2.5(0.11)
III. Externalizing disorders								
Attention-deficit hyperactivity disorder	4.7* (2.9-7.8)*	37.4(<.001)*	1.8 (0.8-4.0)	2.1(0.15)	1.3 (0.4-4.8)	0.2(0.65)	1.2 (0.3-5.2)	0.0(0.85)
Oppositional-defiant disorder	15.0* (8.5-26.5)*	86.9(<.001)*	2.2 (0.7-6.8)	1.8(0.18)	1.5 (0.3-6.7)	0.3(0.58)	4.8 (0.9-25.2)	3.5(0.06)
Conduct disorder	3.3* (1.5-7.2)*	8.9(0.003)*	1.5 (0.2-10.7)	0.2(0.68)	16.4* (1.0-265.1)*	3.9(0.049)*	8.7 (0.8-91.5)	3.2(0.07)
Intermittent explosive disorder	4.4* (2.9-6.6)*	50.5(<.001)*	2.1* (1.1-3.9)*	4.8(0.029)*	1.1 (0.3-4.0)	0.0(0.91)	0.6 (0.1-3.3)	0.3(0.58)
Any impulse-control disorder	4.7* (3.2-6.8)*	67.0(<.001)*	1.7 (0.9-3.2)	2.9(0.09)	1.3 (0.5-3.5)	0.3(0.57)	1.3 (0.4-3.9)	0.3(0.61)
IV. Substance use disorders								
Alcohol abuse or dependence	6.7* (5.2-8.7)*	219.1(<.001)*	2.4* (1.6-3.7)*	16.7(<.001)*	1.3 (0.6-2.7)	0.4(0.51)	1.0 (0.3-2.8)	0.0(0.94)
Illicit drug abuse or dependence	11.4* (7.9-16.4)*	171.1(<.001)*	2.9* (1.5-5.6)*	10.6(0.001)*	2.5 (0.8-7.7)	2.7(0.10)	2.0 (0.7-5.9)	1.5(0.23)
Any substance use disorder	8.0* (6.3-10.0)*	303.7(<.001)*	2.5* (1.6-3.8)*	17.9(<.001)*	1.9 (0.8-4.5)	2.5(0.12)	1.4 (0.6-3.4)	0.7(0.42)
V. Number of Disorders								

Any	11.8* (9.6-14.5)*	545.0(<.001)*	2.3* (1.5-3.5)*	13.0(<.001)*	1.3 (0.5-2.9)	0.3(0.60)	1.2 (0.6-2.6)	0.2(0.64)
Exactly one[2]	5.8* (4.5-7.5)*		1.2(0.7-2.1)		0.6(0.2-1.8)		1.0(0.4-2.6)	
Exactly two[2]	17.9* (13.7-23.3)*		2.1* (1.2-3.7)*		1.7(0.6-4.6)		1.1(0.4-3.0)	
Three or more[2]	40.1* (30.4-52.9)*	813.7(<.001)*	4.0* (2.4-6.7)*	33.7(<.001)*	1.6(0.6-4.0)	5.4(0.14)	1.5(0.6-3.6)	1.3(0.72)
(numerator / denominator N)[3]	(1064 / 51771)		(327 / 1064)		(110 / 327)		(63 / 737)	

*Significant at the .05 level, two-sided test
[1]Based on logistic regression analysis controlling for country
[2] Rows based on multivariate regression analysis controlling for country (No disorder is the reference category)
[3]Numerator n refers to the number of cases with each suicide outcome, denominator n refers to the number of cases in the total sample or in the conditional sample among ideators, ideators with a plan and ideators without a plan

Appendix Table 3b. Bivariate associations12-month DSM-IV/CIDI disorders with 12-month suicide ideation, plan and attempts in developing WMH countries[1]

	Among total sample of developing WMH countries				Among 12 Month Ideators			
	Ideation		Plan		Planned Attempt		Unplanned Attempt	
	OR(95% CI)	χ^2(p-value)	OR(95% CI)	χ^2(p-value)	OR(95% CI)	χ^2(p-value)	OR(95% CI)	χ^2(p-value)
12-month DSM-IV disorders[2]								
I. Anxiety disorders								
Panic disorder	6.4* (4.5-9.2)*	105.3(<.001)*	1.6 (0.9-3.1)	2.2(0.14)	3.9* (1.4-11.3)*	6.3(0.012)*	0.0* (0.0-0.0)*	2198.4(<.001)*
Agoraphobia without panic	4.2* (2.9-5.9)*	64.1(<.001)*	2.4* (1.2-4.6)*	6.8(0.009)*	1.1 (0.5-2.5)	0.1(0.82)	1.2 (0.3-4.2)	0.1(0.77)
Generalized anxiety disorder	5.6* (4.0-7.9)*	97.4(<.001)*	1.3 (0.6-2.7)	0.5(0.47)	0.3* (0.1-0.9)*	4.9(0.026)*	0.0* (0.0-0.0)*	1361.7(<.001)*
Specific phobia	3.5* (2.9-4.3)*	153.7(<.001)*	1.5* (1.1-2.2)*	5.5(0.019)*	0.8 (0.4-1.6)	0.4(0.53)	1.0 (0.4-2.7)	0.0(0.94)
Social phobia	5.2* (4.0-6.9)*	145.7(<.001)*	1.4 (0.8-2.7)	1.4(0.24)	0.9 (0.4-2.1)	0.1(0.81)	0.8 (0.3-2.0)	0.3(0.58)
Post-traumatic stress disorder	5.3* (3.7-7.7)*	76.5(<.001)*	0.9 (0.4-1.7)	0.1(0.71)	1.7 (0.4-7.4)	0.5(0.47)	0.3 (0.1-1.3)	2.7(0.10)
Adult separation anxiety disorder	8.5* (5.7-12.6)*	112.9(<.001)*	2.2* (1.0-5.0)*	3.9(0.050)*	1.2 (0.4-3.1)	0.1(0.78)	4.0* (1.1-15.0)*	4.2(0.041)*
Any anxiety disorder	4.9* (4.1-5.9)*	283.9(<.001)*	1.3 (0.9-1.8)	2.6(0.11)	1.4 (0.8-2.4)	1.1(0.29)	1.1 (0.6-2.4)	0.1(0.72)
II. Mood disorders								
Major depressive disorder	9.1* (7.6-10.9)*	592.2(<.001)*	1.5* (1.1-2.0)*	6.3(0.012)*	1.1 (0.6-1.8)	0.0(0.82)	1.6 (0.8-3.5)	1.6(0.21)
Dysthymic disorder	7.1* (4.7-10.9)*	82.8(<.001)*	2.3* (1.1-4.5)*	5.3(0.021)*	1.0 (0.3-3.4)	0.0(0.99)	2.2 (0.6-8.3)	1.5(0.23)
Bipolar disorder	8.4* (5.8-12.3)*	124.5(<.001)*	3.6* (2.0-6.7)*	16.7(<.001)*	0.7 (0.3-1.5)	0.9(0.35)	0.8 (0.2-2.9)	0.1(0.73)
Any mood disorder	9.2* (7.8-11.0)*	648.2(<.001)*	1.7* (1.2-2.3)*	11.6(<.001)*	1.1 (0.7-1.9)	0.2(0.68)	1.6 (0.8-3.4)	1.7(0.19)
III. Externalizing disorders								
Attention-deficit hyperactivity disorder	2.1 (0.9-4.7)	3.1(0.08)	2.5 (0.7-8.7)	2.0(0.16)	0.2 (0.0-1.2)	3.0(0.08)	0.0* (0.0-0.0)*	564.2(<.001)*
Oppositional-defiant disorder	5.6* (2.2-13.9)*	13.5(<.001)*	1.8 (0.3-10.8)	0.4(0.52)	3.0 (0.3-30.5)	0.9(0.35)	0.0* (0.0-0.0)*	388.6(<.001)*
Conduct disorder	4.5* (2.3-8.9)*	18.5(<.001)*	3.0 (0.7-13.6)	2.0(0.16)	10.0* (1.0-96.1)*	3.9(0.047)*	3.2 (0.4-23.5)	1.3(0.26)
Intermittent explosive disorder	5.7* (4.3-7.5)*	153.7(<.001)*	1.7* (1.0-2.7)*	4.1(0.044)*	1.3 (0.6-2.6)	0.5(0.46)	2.3 (0.8-6.4)	2.6(0.11)
Any impulse-control disorder	4.9* (3.6-6.7)*	98.7(<.001)*	1.3 (0.8-2.4)	1.0(0.32)	1.3 (0.6-2.8)	0.3(0.57)	1.6 (0.7-3.8)	1.3(0.26)
IV. Substance use disorders								
Alcohol abuse or dependence	3.5* (2.6-4.7)*	68.3(<.001)*	1.8 (1.0-3.1)	3.8(0.05)	2.0 (0.9-4.4)	2.9(0.09)	0.3 (0.1-1.6)	1.9(0.17)
Illicit drug abuse or dependence	10.7* (6.9-16.7)*	111.1(<.001)*	0.9 (0.4-2.1)	0.0(0.90)	7.3* (1.9-28.2)*	8.4(0.004)*	0.0* (0.0-0.0)*	1706.5(<.001)*
Any substance use disorder	4.3* (3.3-5.7)*	107.6(<.001)*	1.6 (0.9-2.9)	2.3(0.13)	2.6* (1.2-5.8)*	5.4(0.020)*	0.3 (0.1-1.2)	3.0(0.08)
V. Number of Disorders								
Any	6.7* (5.5-8.2)*	368.2(<.001)*	1.6* (1.2-2.3)*	7.9(0.005)*	2.2* (1.1-4.4)*	5.1(0.024)*	1.7 (0.8-3.7)	1.8(0.17)

Exactly one[2]	4.5* (3.6-5.7)*		1.4(0.9-2.1)		2.1* (1.0-4.6)*		1.9(0.8-4.6)	
Exactly two[2]	10.5* (7.9-13.9)*		1.7* (1.1-2.8)*		3.2* (1.4-7.2)*		1.5(0.5-4.6)	
Three or more[2]	18.7* (14.1-24.9)*	496.4(<.001)*	2.3* (1.4-3.9)*	12.2(0.007)*	1.3(0.6-3.0)	10.9(0.012)*	1.7(0.6-5.1)	2.2(0.52)
(numerator / denominator N)[3]	(1197 / 56893)		(414 / 1197)		(176 / 414)		(60 / 783)	

*Significant at the .05 level, two-sided test
[1]Based on logistic regression analysis controlling for country
[2] Rows based on multivariate regression analysis controlling for country (No disorder is the reference category)
[3]Numerator n refers to the number of cases with each suicide outcome, denominator n refers to the number of cases in the total sample or in the conditional sample among ideators, ideators with a plan and ideators without a plan

Appendix Table4a. Multivariate association between respondent history of suicidality and 12-month suicide ideation, plan and attempts in developed WMH countries[1]

History of Suicidality prior to current year	Among total sample of developed WMH countries		Among 12 Month Ideators in developed WMH countries					
	Ideation		Plan		Planned Attempt		Unplanned Attempt	
	OR (95% CI)	X² (p-value)	OR (95% CI)	X² (p-value)	OR (95% CI)	X² (p-value)	OR (95% CI)	X² (p-value)
History of ideation only	30.8*(24.8-38.3)*	950.8(<.001)*	0.3*(0.1-0.6)*	12.2(<.001)*	0.1*(0.0-0.6)*	6.0(0.014)*	0.2*(0.1-0.6)*	9.1(0.002)*
History of ideation and plan but no attempt	48.2*(36.5-63.5)*	753.5(<.001)*	10.9*(6.5-18.5)*	79.9(<.001)*	0.1*(0.1-0.3)*	17.0(<.001)*	3.0(1.0-9.3)	3.6(0.06)
History of ideation with unplanned attempt	28.8*(20.4-40.8)*	360.7(<.001)*	1.0(0.6-1.9)	0.0(0.90)	1.3(0.5-3.5)	0.3(0.56)	6.2*(2.6-14.6)*	17.4(<.001)*
History of ideation with planned attempt	48.2*(36.8-63.0)*	797.0(<.001)*	7.2*(4.2-12.5)*	49.8(<.001)*	1.8(0.8-3.7)	2.1(0.14)	0.8(0.2-2.8)	0.1(0.70)
X²₄ (p-value)	1311.8(<.001)*		163.2(<.001)*		38.5(<.001)*		52.0(<.001)*	
(numerator / denominator N)[2]	(1064 / 51771)		(327 / 1064)		(110 / 327)		(63 / 737)	

*Significant at the .05 level, two-sided test
[1]Based on multivariate logistic regression analysis controlling for countries, age, age squared
[2]Numerator n refers to the number of cases with each suicide outcome, denominator n refers to the number of cases in the total sample or in the conditional sample among ideators, ideators with a plan and ideators without a plan

Appendix Table4b. Multivariate association between respondent history of suicidality and 12-month suicide ideation, plan and attempts in developing WMH countries[1]

History of Suicidality prior to current year	Among total sample of developing WMH countries		Among 12 Month Ideators in developing WMH countries					
	Ideation		Plan		Planned Attempt		Unplanned Attempt	
	OR (95% CI)	χ^2(p-value)	OR (95% CI)	χ^2(p-value)	OR (95% CI)	χ^2(p-value)	OR (95% CI)	χ^2(p-value)
History of ideation only	28.4*(23.3-34.5)*	1109.3(<.001)*	0.2*(0.1-0.3)*	43.4(<.001)*	0.2*(0.1-0.6)*	7.7(0.005)*	0.6(0.3-1.5)	1.2(0.28)
History of ideation and plan but no attempt	43.1*(32.3-57.5)*	653.9(<.001)*	3.7*(2.2-6.3)*	24.8(<.001)*	0.2*(0.1-0.4)*	15.8(<.001)*	0.5(0.1-3.4)	0.5(0.49)
History of ideation with unplanned attempt	29.6*(20.3-43.2)*	312.1(<.001)*	0.6(0.3-1.1)	2.5(0.11)	2.7(1.0-7.2)	3.8(0.05)	9.3*(4.2-21.0)*	29.4(<.001)*
History of ideation with planned attempt	41.5*(32.3-53.4)*	840.2(<.001)*	4.0*(2.6-6.1)*	40.5(<.001)*	1.8(1.0-3.2)	3.8(0.05)	1.7(0.5-5.9)	0.7(0.42)
χ^2_4 (p-value)	1562.1(<.001)*		148.6(<.001)*		40.2(<.001)*		52.1(<.001)*	
(numerator / denominator N)[2]	(1197 / 56893)		(414 / 1197)		(176 / 414)		(60 / 783)	

*Significant at the .05 level, two-sided test
[1]Based on multivariate logistic regression analysis controlling for countries, age, age squared
[2]Numerator n refers to the number of cases with each suicide outcome, denominator n refers to the number of cases in the total sample or in the conditional sample among ideators, ideators with a plan and ideators without a plan

Appendix Table 5 – Risk factors included in the summary risk indices

I. Planned attempt developed
    Psychiatric disorders: specific phobia, conduct, drug abuse and dependence
    Adversities: parent depression, parent panic, parent ASP, parent divorce, parent criminal, physical abuse, sexual abuse, family violence
    Prior suicidality: No prior attempt but had prior plan, No prior plan or attempt but had prior ideation
    Demographics: employment: student or other

II. Unplanned attempt developed
    Psychiatric disorders: NONE
    Adversities: parent substance abuse, parent criminal, physical abuse, sexual abuse, neglect, family violence, econ. adversity
    Prior suicidality: Prior attempt, No prior attempt but had prior plan, No prior plan or attempt but had prior ideation
    Demographics: less than 50

III. Planned attempt developing
    Psychiatric disorders: panic, conduct, alcohol abuse or dependence, drug abuse or dependence
    Adversities: NONE
    Prior suicidality: No prior attempt but had prior plan, No prior plan or attempt but had prior ideation
    Demographics: employment: retired or other

IV. Unplanned attempt developing
    Psychiatric disorders: adult separation anxiety, intermittent explosive disorder
    Adversities: parent depression, parent panic, parent GAD
    Prior suicidality: Prior attempt, No prior attempt but had prior plan
    Demographics: employment: student

Appendix Table 6 – Concordance (AUC) between predicted probability of suicide attempt using the risk indices and the actual occurrence of suicide attempts

	Planned Attempt AUC	Unplanned Attempt AUC
I. Developed		
NCSR	.73	.68
Belgium	.83	.87
France	.90	---[1]
Germany	.50	.62
Italy	---[1]	---[1]
Netherlands	.78	.75
Spain	.69	.87
New Zealand	.81	.78
Japan	.87	.82
Israel	.95	.56
II. Developing		
Brazil	.68	.70
Bulgaria	.50	.52
China	.59	.71
Colombia	.65	.83
India	.54	.96
Lebanon	.73	.61
Mexico	.75	.69
Nigeria	.56	---[1]
Romania	.87	---[1]
South Africa	.75	.60
Shenzhen	.65	.50
Ukraine	.81	.67

[1]No observations