

Supplementary Information

Table S1. Number of cases, ASPR, and percentage changes from 1990 to 2021 for ADHD in children and adolescents in 21 GBD regions

Location	Prevalence	ASPR (95%UI) per 100,000	ASPR Percentage change (1990 to 2021)
	Number(95%UI)		
Global	46890733.218(31972948.	638.674(435.418,916.19)	-8.972
	781,67244702.585)		
Andean Latin America	804773.624(540788.537,	1235.811(830.316,1797.2	1.15
	1169772.102)		
Australasia	404699.004(288822.609,	1904.129(1358.323,2555.	3.424
	542736.504)		
Caribbean	731015.208(499435.855,	1726.307(1178.721,2493.	0.829
	1054202.167)		
Central Asia	533500.947(357981.272,	582.198(390.733,853.518)	0.742
	783277.199)		
Central Europe	394498.875(265437.19,5	589.054(396.28,855.701)	0.401
	72598.944)		
Central Latin America	2015031.724(1379164.06	832.729(569.701,1199.04	0.499
	2,2898591.015)		
Central Sub-Saharan	584195.877(388490.511,	298.721(198.856,438.951)	0.308
Africa	858689.563)		

East Asia	13018253.522(9011606.3	1329.437(920.605,1895.0	18.405
	99,18567676.956)	1)	
Eastern Europe	801571.697(532791.936,	601.263(399.686,883.443)	0.438
	1177593.591)		
Eastern Sub-Saharan Africa	1832456.781(1217064.76	300.317(199.527,440.434)	0.257
	4,2688046.102)		
High-income Asia Pacific	719704.932(487210.237,	800.099(541.274,1161.16	-1.149
	1043056.955)	4)	
High-income North America	3248385.594(2137198.48	1269.868(834.689,1850.6)	7.635
	,4724685.726)		
North Africa and the Middle East	4394111.376(3005265.94	674.755(461.52,977.207)	-8.689
	6,6365538.811)		
Oceania	108036.219(73720.638,1	650.047(443.708,948.894)	0.232
	57816.221)		
South Asia	6406754.562(4252461.67	328.534(217.966,477.574)	-0.581
	7,9300632.985)		
Southeast Asia	3427713.981(2314236.61	533.514(360.061,776.217)	-5.694
	2,4983849.208)		
Southern Latin America	442486.664(296441.781,	787.659(527.323,1145.96	0.048
	643479.405)	5)	
Southern Sub-Saharan Africa	260254.396(172129.294,	301.237(199.218,442.078)	0.853
	381893.284)		

Tropical Latin America	2227234.428(1508944.96 1,3244276.436)	1212.59(821.125,1767.70 9)	0.57
Western Europe	2320982.311(1544062.93 5,3330779.9)	891.332(593.043,1280.82 4)	3.945
Western Sub-Saharan Africa	2215071.498(1456376.40 8,3273586.414)	314.871(207.098,465.093)	2.631

ASPR age-standardized prevalence rate, *ADHD* attention deficit hyperactivity disorder

Table S2. Number of DALYs, age-standardized DALY rates, and percentage changes in DALYs from 1990 to 2021 for ADHD in children and adolescents in 21 GBD regions

Location	DALYs_Number (95%UI)	ASRs of DALYs (95%UI) per 100,000	ASRs of DALYs Percentage change (1990 to 2021)
Global	574978.909(294708 .328,986591.953)	7.832(4.014,13.4 45)	-8.85
Andean Latin America	9856.604(5024.399, 16795.276)	15.137(7.714,25. 804)	1.319
Australasia	4959.061(2651.579, 8002.247)	23.335(12.474,37 .678)	3.413
Caribbean	8928.698(4646.32,1 5236.997)	21.088(10.965,36 .029)	0.904

Central Asia	6545.097(3241.54,1 1238.886)	7.141(3.541,12.2 43)	0.94
Central Europe	4842.261(2436.257, 8278.464)	7.231(3.637,12.3 76)	0.402
Central Latin America	24706.913(12812.1 37,41992.46)	10.212(5.293,17. 375)	0.582
Central Sub-Saharan Africa	7136.231(3543.243, 12441.663)	3.648(1.813,6.35 1)	0.95
East Asia	160362.784(84310. 136,271731.038)	16.375(8.61,27.7 3)	18.672
Eastern Europe	9850.272(5039.837, 17132.416)	7.388(3.78,12.84 7)	0.459
Eastern Sub-Saharan Africa	22332.397(11467.9 84,38629.248)	3.66(1.88,6.328)	0.761
High-income Asia PaUific	8839.757(4497.453, 15175.875)	9.831(4.997,16.9 21)	-1.006
High-income North America	39802.56(19844.26 3,68699.892)	15.568(7.765,26. 928)	7.62
North Africa and the Middle East	53893.302(27455.1 81,92684.277)	8.275(4.216,14.2 29)	-8.479
Oceania	1320.196(654.293,2 295.254)	7.943(3.934,13.8)	0.297

South Asia	78274.861(39141.3	4.014(2.006,6.85	-0.121
	14,133435.748)	2)	
Southeast Asia	42070.378(21146.2	6.549(3.291,11.3	-5.516
	14,73036.246)	76)	
Southern Latin America	5425.106(2756.662,	9.659(4.904,16.5	0.012
	9310.348)	99)	
Southern Sub-Saharan Africa	3181.453(1595.793,	3.682(1.847,6.49	1.054
	5613.16)	7)	
Tropical Latin America	27197.086(14044.7	14.81(7.644,25.6	0.652
	87,46997.145)	2)	
Western Europe	28441.597(14315.8	10.927(5.494,18.	3.847
	65,48514.354)	667)	
Western Sub-Saharan Africa	27012.294(13524.0	3.839(1.925,6.58	3.037
	96,46391.175)	7)	

DALY disability-adjusted life year, *ADHD* attention deficit hyperactivity disorder, *GBD* global burden of disease, *ASR* age standard rate