

Table S1 Distribution of sample by residence provinces

Province/Autonomous Region	Number	%
Guangdong	856	16.9
Shandong	341	6.7
Anhui	301	5.9
Fujian	293	5.8
Jiangsu	291	5.7
Hunan	274	5.4
Henan	272	5.4
Hubei	266	5.2
Jiangxi	254	5.0
Hebei	245	4.8
Beijing	187	3.7
Jiangxi	182	3.6
Zhejiang	178	3.5
Sichuan	143	2.8
Shanxi	127	2.5
Shaanxi	112	2.2
Liaoning	103	2.0
Heilongjiang	84	1.7
Tianjin	77	1.5
Chongqing	72	1.4
Hainan	68	1.3
Shanghai	64	1.3
Guizhou	58	1.1
Jilin	56	1.1
Xinjiang	50	1.0
Inner Mongolia	47	0.9
Gansu	29	0.6
Yunnan	24	0.5
Ningxia	12	0.2
Xizang	6	0.1
Qinghai	5	0.1
Total	5077	100.0

Table S2 Data quality exploration

	Study population		The Second China National Sample Survey on Disability ^a	
	Number	%	Number	%
District				
Eastern	2,759	54.3	25,713 ^b	62.3
Central	1,720	33.9	9,747 ^b	23.6
Western	598	11.8	5,834 ^b	14.1
Sex				
Boy	4,244	83.6	32,130 ^b	77.8
Girl	833	16.4	9,163 ^b	22.2
Sex-Ratio	5.09		3.51 ^b	
total	5077		41,293^b	

a. The second national sample survey of the disabled began at 0:00 on April 1st, 2006 and ended on May 31st, 2006. The disabled sample was 252,6145. A total of **73** children aged 0-6 diagnosed with autism. All diagnoses were made by psychiatrists according to ICD-10.

b. weighted samples by Chinese population, which was not the actual number of screening people.