Summary of Autism Spectrum Disorder (ASD) Prevalence Studies

Author	Year publish ed	Country	Time period studied	Age range studied	Number of children in population		Methodolo gy used		IQ<70 (%)
		,			p - p				
							Case enumeratio		
								0.45 (0.31-	
Lotter	1966	England	1964	8 to 10	78,000	Kanner	direct exam Case	0.62)	84
							enumeratio	0.43 (0.26-	
Brask	1970	Denmark	1962	2 to 14	46,500	Kanner	Case	,	NR
							enumeratio		
Treffert	1970	USA	1962-1967	3 to 12	899,750	Kanner	n Case	, ,	NR
							enumeratio		
Wing &								0.49 (0.29-	
Gould	1979	England	1970	0 to 14	35,000	Kanner	direct exam		70
							Case		
							enumeratio		
Hoshino et								0.23 (0.19-	
al. (1)	1982	Japan	1977	0 to 17	234,039	Kanner	direct exam	·	NR
							Case		
Ishii &							enumeratio n and	1.6 (1.2-	
Takahashi	1983	Japan	1981	6 to 12	35,000	Rutter	direct exam	-	NR
							Case		
.							enumeratio		
Bohman et al.	1983	Sweden	1979	0 to 20	69,000	Rutter	n and direct exam	(-	NR
					,			·	
							Case enumeratio		
McCarthy et								0.43 (0.29-	
al.	1984	Ireland	1978	8 to 10	65,000	Kanner	direct exam	-	NR
							Case		
							enumeratio		
							n and	0.20 (0.13-	
Gillberg	1984	Sweden	1980	4 to 18	128,584	DSM-III	direct exam	0.30)	80, 77
							Case		
o							enumeratio		
Steinhausen		Comman	4003	0+- 44	270 646	D11	n and	•	4.4
et al.	1986	Germany	1982	0 to 14	279,616	Kutter	direct exam	0.24)	44

Author	Year publish ed	Country	Time period studied	Age range studied	Number of children in population		Methodolo gy used	ASD prevalence (CI)	IQ<70 (%)
Steffenberg & Gillberg	1986	Sweden	1984	<10	78,413	DSM-III	Case enumeratio n and direct exam	0.45 (0.31- 0.62)	
					-, -		Case enumeratio	,	
Matsuishi et							n and	1.55 (1.16-	
al.	1987	Japan	1983	4 to 12	32,834	DSM-III	direct exam	1.64)	
							Case enumeratio		
							n and	0.12 (0.00-	
Burd et al.	1987	USA	1985	2 to 18	180,986	DSM-III	direct exam	•	
							Case		
							enumeratio	1 01 /0 62	
Bryson et al.	1988	Canada	1985	6 to 14	20,800	DSM-III	direct exam	1.01 (0.62- 1.54)	
Di yoon ee an	1300	Canada	1303	0 (0 1)	20,000	23	Case	1.5 .,	, 0
Tanoue et							enumeratio	1.38 (1.16-	
al.	1988	Japan	1977-1985	3 to 7	95,394	DSM-III	n Case	,	NR
Ciadella &								0.51 (0.39-	
Mamelle	1989	France	1986	3 to 9	135,180	DSM-III	n	0.63)	NR
							Population		
Sugiyama &							screen and	1.3 (0.7-	
Abe	1989	Japan	1979-1984	2 to 5	12,263	DSM-III	direct exam	2.1)	38
							Case		
							enumeratio n and	0.40 (0.31-	
Ritvo et al.	1989	USA	1984-1988	8 to 12	184,822	DSM-III	direct exam		
							Case		
							enumeratio	.	
Gillberg et al.	1991	Sweden	1988	4 to 13	78,106	DCM III D	n and direct exam	0.95 (0.74- 1.95)	
	1991	Sweden	1300	4 (0 13	78,100	DSWI-III-K			82, 80
Fombonne &							Case enumeratio		
∝ Mazaubrun							n and	0.49 (0.47-	
(1)	1992	France	1985	9 to 13	274,816	ICD-10	direct exam	0.65)	
							Population		
								2.11 (1.25-	
Honda et al.	1996	Japan	1994	1.5 to 6	8,537	ICD-10	direct exam	3.33)	50

Author	Year publish ed	Country	Time period studied	Age range studied	Number of children in population		Methodolo gy used	ASD prevalence (CI)	IQ<70 (%)
							Case		
							enumeratio		
Fombonne	4007	_	1002 1002	C 1 4 C	225 247	100.40	n and	•	00
et al.	1997	France	1992-1993	6 to 16	325,347	ICD-10	direct exam	0.62)	88
							Population		
Arivdsson et							screen and	3.10 (1.14-	
al.	1997	Sweden	1994	3 to 16	1,941	ICD-10	direct exam	6.72)	100
							Case		
							enumeratio		
							n and	0.72 (0.54-	
Webb et al.	1997	Wales	1992	3 to 15	73,300	DSM-III-R	direct exam	0.95)	NR
							Case		
							enumeratio		
Sponheim &							n and	0.38 (0.25-	
Skjeldae	1998	Norway	1992	3 to 14	65,688	ICD-10	direct exam	0.56)	64
							C		
							Case enumeratio		
Kadesjo et							n and	6.0 (1.97-	
al.	1999	Sweden	1992	6.7 to 7.7	826	ICD-10	direct exam	•	60
-								,	
							Population		
							screen and	3.1 (2.29-	
Baird et al.	2000	England	1998	1.5 to 8	16,235	ICD-10	direct exam Case	4.06)	40
						DSM-III-R	enumeratio	0.96 (0.64-	
Powell et al.	2000	England	1995	1 to 4	29,200		n	`	NR
		•					Case		
Kielinen et							enumeratio	1.22 (1.06-	
al.	2000	Finland	1996	5 to 18	152,732	DSM-IV	n	1.41)	50
Magnusson							Population		
&								0.86 (0.60-	
Saemundsen	2000	Iceland	1997	5 to 14	43,153	ICD-10	direct exam	1.18)	49
Chalmaharti							Donulation		
Chakrabarti &							Population screen and	1.68 (1.1-	
∝ Fombonne	2001	England	1998	2.5 to 6.5	15,500	DSM-IV	direct exam	2.46)	24
		0 - 14	- 70		-,			-,	·
							Population		
Fombonne	200-		1055	.	40 =00	D.C. 4	screen and	-	
et al. (2)	2001	UK	1999	5 to 15	12,529	DSM-IV	direct exam	3.70)	44.4

	Year publish		Time period	Age range	Number of children in		Methodolo		
Author	ed	Country	studied	studied	population	used	gy used	(CI)	IQ<70 (%)
							Case		
							enumeratio		
Bertrand et	2004	LICA	1000	2 + - 10	0.000	DCM IV	n and	•	
al.	2001	USA	1998	3 to 10	8,996		direct exam Case	·	
	2004	LICA	4007 4000	0.1.24	4 600 000		enumeratio	•	
Croen et al. Yeargin-	2001	USA	1987-1999	0 to 21	4,600,000	or DSM-IV	n Case	,	
Allsopp et	2002	LICA	4006	2 . 40	200.000	DCM IV	enumeratio	•	
al. (2)	2003	USA	1996	3 to 10	290,000	DSM-IV	n	3.6)	62
							Case		
Gurney et al.		LICA	1981-1982,	C 1 47		DCM IV	enumeratio	•	
(2)	2003	USA	2001-2002	6 to 17		DSM-IV	n Case	,	NR
							enumeratio		
Lingam et al.	2003	UK	2000	5 to 14	186,206	ICD-10	n		
_							Case		
Icasiano et							enumeratio	•	
al.	2004	Australia	2002	2 to 17	45,153	DSM-IV	n	- ,	47
Lauritsen et							Case enumeratio		
al.	2004	Denmark	2001	0 to 9	682,397	ICD-10	n		
ui.	2004	Demmark	2001	0 10 3	002,337	100 10	Case	-	1411
Fombonne							enumeratio	2.16 (1.65-	
et al.	2006	Canada	1987-1998	5 to 21	27,749	DSM-IV	n	2.78)	NR
							Case		
							enumeratio		
							n, screen,		
								3.89 (3.39-	
Baird et al.	2006	UK	1990-1991	9 to 10	56,946	ICD-10	exam Case	,	56
							enumeratio		
							n and		
CDC ADDM							record	6.7 (6.3-	
Network (1)	2007	USA	2000	8	187,761	DSM-IV	review Case	,	36-61
							enumeratio		
							n and		
CDC ADDM	200=		200-	_	444.0=0	5644	record	6.6 (6.3-	
Network (1)	2007	USA	2002	8	444,050	DSM-IV	review	6.8)	45
	V-		- :		None			ACD	
	Year		Time	Ago range	Number of	Critoria	Mothadala	ASD	
Author	publish ed		period studied	Age range studied	children in population		Methodolo gy used	(CI)	IQ<70 (%)
Hathor	Cu	Country	staalca	otaaica	population	uscu	By useu	1017	14 10 (70)

case enumeratio n from

Special special

						Special	speciai		
						education	education		
Oullette-						classificatio	classificatio	1.2 (1996),	
Kuntz et al.	2007	Canada	1996-2004	4 to 9	2,240,537	n	n	4.3 (2004)	NR
							Case		
Wong et al.							enumeratio		
(1)	2008	Hong Kong	1986-2005	0 to 14	4,247,206	DSM-IV	n	1.6	NR
								1.0 (0.8-	
Williams et							Questionna	1.0) to 4.1	
al.	2008	Australia	2003-2004	6 to 12	5,459	DSM-IV	ires	(3.8-4.4)	NR
							Case		
Montiel-							enumeratio	1.7 (1.3-	
Nava et al.	2008	Venezuela	2005-2006	3 to 9	254,905	DSM-IV	n	2.0)	NR
							Case		
						Special	enumeratio		
						Education			
Baron-							survey and	15.7 (9.9-	
	2000	IIV	2002 2004	E +o 0	E 101		direct exam	•	ND
Cohen et al.	2009	UK	2003-2004	5 to 9	5,484	register	Case	24.6)	NR
							enumeratio		
							n and		
CDC ADDM							record	8.0 (7.6-	
Network (1)	2009	USA	2004	8	172,335	DSM-IV	review Case	8.4)	44
							enumeratio		
							n and		
CDC ADDM							record	9.0 (8.6-	
Network (1)	2009	USA	2006	8	308,038	DSM-IV	review	9.3)	41
							Case		
Al-Farsi et							enumeratio	0.1 (0.1-	
al.	2010	Oman	2009	0 to 14	798,913	DSM-IV	n	0.2)	NR
							Case		
							enumeratio	6.9 (6.5-	
Parner et al.	2011	Denmark	1994-1999		404,816	DSM-IV	n	7.2)	NR
							Case		
		Western					enumeratio	5.1 (4.7-	
Parner et al.	2011	Australia	1994-1999		152,060	DSM-IV	n	5.5)	NR
							Case		
Chian at I	2044	T	1006 2005	0 : 40	272 642	100.0	enumeratio	2.0	
Chien et al.	2011	Taiwan	1996-2005	0 to 18	372,642	ICD-9	n	2.9	NR

	Year		Time		Number of			ASD	
	publish		period	Age range	children in	Criteria	Methodolo	prevalence	
Author	ed	Country	studied	studied	population	used	gy used	(CI)	IQ<70 (%)

Windham et al.	2011	USA	1994, 1996	0 to 8	82,153 (1994), 80,249 (1996)	DSM-IV	enumeratio	4.7 (4.2- 5.1) (1994); 4.7 (4.2- 5.2) (1996)	NR
							Case enumeratio n from		
Kim et al.	2011	South Korea	2005-2009	7 to 12	55,266 26,213	DSM-IV	survey and direct exam	26.4 (19.1- 33.7)	59
					(2002);	ICD-9 and		5.5 (2002)	
					29,494 (2006);	· ·	Case	6.5 (2002), 10.2	
Zimmerman			2002, 2006,				enumeratio	(2006),	
et al.	2012	USA	2008	8 7 to 16	(2008) 7122	n	n	13.0 (2008)	NR
				(2002), 15	(2002),		Screening		
Kocovska et al.	2012	Faroe	2002, 2009	to 24 (2009)	7128 (2009)	DSM-IV, ICD-10		5.6 (2002), 9.4 (2009)	NR
ai.	2012	isiaiius	2002, 2009	(2009)	(2009)	ICD-10	exam Case	9.4 (2009)	INIX
							enumeratio		
							n and	11 2 /11 0	
CDC ADDM Network (1)	2012	USA	2008	8	337,093	DSM-IV	record review	11.3 (11.0- 11.7)	38
Blumberg et	2012	03/1	2000	· ·	337,033		Telephone	11.77	30
al.	2013	USA	2011-2012	6 to 17	95,677	report	survey	2%	NR
Zablotsky et							Household		
al.	2015	USA	2011 -2014	3 to 17	43,283	report	survey Case	2.4%	NR
							enumeratio		
							n and		
Christensen	2046		2042	0	246.070	DCM IV	record	14.6 (8.2 –	22
et al. (1) (1) The	2016	USA	2012	8	346,978	DSM-IV	review	24.6)	32
prevalence reported represents									
the average. (2) The									
prevalence study provided									
overall rate only									