



Epi Data Tables

New York City Department of Health and Mental Hygiene

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Developmental Conditions and Delays in New York City Children

Data Tables

- Table 1.** Prevalence of developmental delay or condition among children 2-12 years, *Child Community Health Survey 2009 and National Survey of Children's Health 2007*
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Data Sources

Child Community Health Survey 2009: The **Child Community Health Survey** is a population-based telephone survey conducted in 2009 by the Health Department with support from Children's Health Fund. A parent, guardian or other knowledgeable adult (referred to as "parents") was interviewed about the health of one child ages 12 years or younger in the selected household for a total sample of 3,002 children. All estimates presented here are weighted to the NYC population of children using the 2006-2008 American Community Survey (PUMS).

National Survey on Children's Health 2007: The National Survey on Children's Health (NSCH) is population-based telephone survey conducted in 2007 by the US Department of Health and Human Services. In each household, one child was randomly selected to be the subject of the interview. A total of 91,642 surveys were completed nationally for children ages 17 years and younger. Survey results are weighted to represent the population of non-institutionalized children ages 17 years and younger nationally and in each state. Analyses were restricted to children 2-12 years in order to compare results to Child Community Health Survey 2009.

[To access the related Epi Data Brief, go to \[www.nyc.gov/health/html/doh/downloads/pdf/epi/databrief8.pdf\]\(http://www.nyc.gov/health/html/doh/downloads/pdf/epi/databrief8.pdf\)](http://www.nyc.gov/health/html/doh/downloads/pdf/epi/databrief8.pdf)



Table 1. Prevalence of ever having a developmental delay or condition among children 2-12 years (unless otherwise indicated), NYC 2009 & US 2007.

Source: Child Health Survey 2009, National Survey on Children's Health 2007
 Child Health Survey data are weighted to the 2006-2008 American Community Survey (PUMS)

	NYC				US			
			95% Confidence Interval				95% Confidence Interval	
	Weighted #	%	Lower Limit	Upper Limit	Weighted #	%	Lower Limit	Upper Limit
Developmental delay (among children 0-12 years)*	53,000	3.9	3.1	4.9	2,117,000	4.8†	4.4	5.3
Autism, Asperger's Disorder, or other autism spectrum disorder	22,000	2.0	1.3	2.9	820,000	1.9	1.6	2.2
Hearing, vision, or speech problem	165,000	14.5 [‡]	12.8	16.5	4,573,000	10.4	9.7	11.1
Hearing problem	52,000	4.6	3.6	5.8	1,402,000	3.2	2.8	3.6
Vision problem	36,000	3.2	2.4	4.3	644,000	1.5 [‡]	1.2	1.8
Speech problem	94,000	8.2	6.9	9.8	3,109,000	7.0	6.5	7.6
Learning disability (among children 3-12 years)	78,000	7.6	6.2	9.2	3,478,000	8.6	8.0	9.3

95% confidence intervals are a measure of estimate precision. The wider the interval, the more imprecise the estimate.

[‡] Data rounded down to nearest whole number for purposes of reporting in the text.

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* Parents of children 2-12 were asked "developmental delay other than a speech problem"

† In NSCH, the question was asked "Has a doctor or other health care provider ever told you that [CHILD] had any developmental delay that affects [his/her] ability to learn?" in 2-12 year olds

Table 2. Prevalence of developmental delay or condition by selected characteristics, 2009.

Source: Child Health Survey 2009

Data are weighted to the 2006-2008 American Community Survey (PUMS)

	Developmental delay other than speech (0-12 years)				Autism, Asperger's Disorder, or other autism spectrum disorder (2-12 years)				Hearing, vision, or speech problem (2-12 years)				Learning disability (3-12 years)			
	Weighted #	%	95% Confidence Interval		Weighted #	%	95% Confidence Interval		Weighted #	%	95% Confidence Interval		Weighted #	%	95% Confidence Interval	
			Lower Limit	Upper Limit			Lower Limit	Upper Limit			Lower Limit	Upper Limit			Lower Limit	Upper Limit
<i>Demographic characteristics</i>																
<i>Gender</i>																
Male	32,000	4.6	3.5	5.9	16,000	2.7	1.6	4.5	103,000	17.3	14.7	20.3	49,000	9.1	7.2	11.5
Female	21,000	3.2	2.0	4.9	6,000	1.1*	0.6	2.1	62,000	11.5^D	9.3	14.1	29,000	5.9	4.2	8.4
<i>Race/Ethnicity</i>																
White, non-Hispanic	14,000	3.7	2.6	5.4	8,000	2.9*	1.5	5.4	35,000	11.9	9.1	15.3	15,000	5.7	3.7	8.6
Non-White	39,000	3.9	2.9	5.2	14,000	1.7	1.0	2.8	130,000	15.5 ^D	13.3	17.8	63,000	8.3	6.6	10.3
<i>Poverty</i>																
<200% federal poverty level	31,000	4.2	3.0	6.0	14,000	2.3	1.3	4.0	108,000	17.4	14.6	20.6	52,000	9.2	7.2	11.6
≥200% federal poverty level	20,000	3.6	2.6	4.8	7,000	1.6	1.0	2.7	47,000	10.6	8.7	12.8	20,000	5.0	3.6	6.9
<i>Birth characteristics</i>																
<i>Preterm (<37 weeks)</i>																
Yes	20,000	14.6	10.2	20.5	5,000	4.5 ^D	2.3	8.7	33,000	28.5^U	21.6	36.6	14,000	13.4	8.9	19.8
No	33,000	2.7	1.9	3.6	17,000	1.6	1.0	2.7	130,000	12.8	11.1	14.8	63,000	6.9	5.5	8.6
<i>Low birth weight (<5 lbs 8 oz)</i>																
Yes	16,000	12.5^D	8.2	18.5	2,000	1.5 ^D	0.4	6.0	24,000	21.7	15.5	29.7	10,000	10.3	6.2	16.7
No	36,000	2.9	2.2	3.9	20,000	2.0	1.3	3.0	139,000	13.8	11.9	15.8	66,000	7.3	5.9	9.1

* Estimate should be interpreted with caution. Estimate's Relative Standard Error (a measure of estimate precision) is greater than 30% or the sample size is too small, making the estimate potentially unreliable.

95% confidence intervals are a measure of estimate precision. The wider the interval, the more imprecise the estimate.

Bolded values indicate statistically significant difference between groups (i.e. p value <.05)

^D Data rounded down to nearest whole number for purposes of reporting in the text.

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Table 3. Prevalence of children 18 months to 5 years with parental concern about child development, 2009

Source: Child Community Health Survey 2009

Data are weighted to the 2006-2008 American Community Survey (PUMS)

	Weighted #	%	Parental Concern	
			95% Confidence Interval Lower Limit	Upper Limit
<i>Parental concern about child development</i>				
Any developmental milestone	140,000	28.8	25.3	32.7
Specific development milestones				
Physical -- Learning to sit up, balance, crawl, or walk	49,000	10.0	7.9	12.5
Communication -- Learning to make speech sounds, talk, and understand	97,000	19.8	16.6	23.4
Adaptive -- Learning to do things for him/herself	46,000	9.3	7.1	12.0
Cognitive -- Learning pre-school or school skills	44,000	8.9	6.8	11.7
Socioemotional -- Emotional or behavioral development	58,000	11.9	9.3	15.1
Number of distinct developmental concerns (among those with any concern)				
1	69,000	49.5 ^D	41.7	57.2
2	28,000	19.7	13.8	27.4
3-5	43,000	30.9	24.0	38.6
Child's age at first parental concern (among those with any concern)				
<3 years or prior to birth	99,000	80.2	71.3	86.8
3-5 years	25,000	19.8	13.2	28.7

95% confidence intervals are a measure of estimate precision. The wider the interval, the more imprecise the estimate.

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