



Epi Data Tables

New York City Department of Health and Mental Hygiene

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Arthritis of the Hip or Knee and Physical Activity in New York City

Data Tables

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Data Sources

The Community Health Survey is conducted annually by the Health Department with approximately 9,000 NYC residents ages 18 and older. 2012 data presented in this Brief are age adjusted to the US 2000 standard population, except for age-specific estimates. Starting in 2009, the CHS included adults with landline as well as cell phones. For more survey details, visit nyc.gov/health/survey.

To access the related Epi Data Brief, go to <http://www.nyc.gov/html/doh/downloads/pdf/epi/databrief40.pdf>

Table 1. Arthritis of the hip or knee among NYC adults by demographic characteristics, 2012

Source: NYC Community Health Survey (CHS), 2012

CHS data are weighted to the residential adult population per Census 2010, 2008 HVS for phone usage and 2008-2010 American Community Survey. Except for age-specific estimates, data for adults are age-adjusted to the United States 2000 Standard Population.

	Weighted #	Percent	95% Confidence Interval		T-test p-value*
			Lower Limit	Upper Limit	
Overall	948,000	15.5 ^D	14.2	16.9	~
Sex					
Male	297,000	10.9	9.2	12.7	0.000
Female	651,000	19.0	17.2	21.0	ref
Age group					
18-44	149,000	4.5 ^D	3.2	6.2	0.000
45-64	433,000	22.0	19.3	24.9	0.000
65+	366,000	38.4	34.3	42.7	ref
Age group by sex					
18-44					
Male	68,000	4.2	2.6	6.8	0.734
Female	81,000	4.7	3.0	7.3	ref
45-64					
Male	133,000	14.6	11.7	18.2	0.000
Female	299,000	28.3	24.2	32.7	ref
65+					
Male	96,000	25.0	19.8	30.9	0.000
Female	270,000	47.5 ^D	42.0	53.0	ref
Race/ethnicity					
White non-Hispanic	376,000	14.7	12.6	16.9	0.081
Black, non-Hispanic	227,000	17.7	15.2	20.5	ref
Hispanic	253,000	17.7	14.8	21.1	0.981
Asian, non-Hispanic	81,000	11.1	8.0	15.0	0.003
Household poverty[†]					
High (<200% FPL)	493,000	17.7	15.6	20.0	ref
Medium (200-400% FPL)	104,000	12.5 ^U	9.9	15.8	0.006
Low (400%+ FPL)	214,000	13.3	11.2	15.9	0.009
Education					
Less than high school	290,000	21.4	17.8	25.5	ref
Highschool or GED	242,000	15.3	12.8	18.1	0.011
Some college	195,000	15.1	12.3	18.5	0.014
College graduate	218,000	12.1	10.5	13.9	0.000
Employment					
Employed	302,000	11.5 ^D	9.7	13.5	0.017
Other	327,000	21.9	18.7	25.4	0.095
Retired	316,000	46.8 [^]	21.5	73.8	ref
Borough					
Bronx	164,000	17.1	14.1	20.6	0.684
Brooklyn	324,000	18.0	15.3	21.0	ref
Manhattan	167,000	13.4	11.3	15.8	0.013
Queens	227,000	13.1	10.9	15.6	0.009
Staten Island	66,000	18.4	12.1	27.0	0.919
Nativity					
US Born	546,000	17.3	15.4	19.4	ref
Foreign Born	400,000	13.7	12.0	15.6	0.009
BMI					
Underweight or Normal Weight	680,000	10.8	9.1	12.9	0.000
Overweight or Obese	249,000	18.3	16.5	20.2	ref

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

Bold text indicates significant differences from the reference group.

[†] Household poverty is based on total people per household and their net income compared to the federal poverty level (FPL).[^] Estimate should be interpreted with caution. The relative standard error (a measure of estimate precision) is greater than 30, making the estimate potentially unreliable.^D When rounding to the nearest whole number, round down.^U When rounding to the nearest whole number, round up.

* A logit model was run with arthritis as the dependent variable and the following predictive variables: sex, age, race/ethnicity, household poverty, education, employment, borough, nativity and BMI. After running the model: sex, age, employment and obesity were significantly associated with arthritis. However, the associations between arthritis and race/ethnicity, household poverty, education and borough were not significant.

Table 2. Percent of NYC adults reporting various chronic conditions by arthritis diagnosis , 2012

Source: NYC Community Health Survey (CHS), 2012

CHS data are weighted to the residential adult population per Census 2010, 2008 HVS for phone usage and 2008-2010 American Community Survey. Data for adults are age-adjusted to the United States 2000 Standard Population.

	Weighted #	Percent	95% Confidence Interval		T-test p-value
			Lower Limit	Upper Limit	
Fair/poor health					
Overall	1,340,000	21.7	20.1	23.5	n/a
Arthritis	417,000	37.1	29.0	46.0	ref
No arthritis	900,000	18.4	16.7	20.3	0.000
Serious psychological distress[†]					
Overall	356,000	5.6	4.6	6.8	n/a
Arthritis	110,000	12.6	7.4	20.5	ref
No arthritis	234,000	4.4	3.4	5.5	0.014
Hypertension					
Overall	1,752,000	28.2	26.6	29.9	n/a
Arthritis	556,000	48.1	39.3	57.1	ref
No arthritis	1,184,000	25.0	23.3	26.9	0.000
High cholesterol					
Overall	1,857,000	29.8	28.0	31.6	n/a
Arthritis	486,000	38.5 ^D	31.0	46.6	ref
No arthritis	1,357,000	27.7	25.7	29.7	0.009
Diabetes					
Overall	667,000	10.8	9.6	12.0	n/a
Arthritis	218,000	19.2	13.0	27.6	ref
No arthritis	446,000	9.8	8.5	11.2	0.012
Asthma (ever)					
Overall	799,000	12.6	11.2	14.2	n/a
Arthritis	167,000	22.9	15.7	32.1	ref
No arthritis	631,000	11.5 ^D	10.0	13.1	0.008

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Bold text indicates significant differences from the reference group.

[†] Serious psychological distress is a composite measure of six questions regarding symptoms of anxiety, depression and other emotional problems.^D When rounding to the nearest whole number, round down.^U When rounding to the nearest whole number, round up.

Table 3. Physical activity among adult New Yorkers by arthritis diagnosis, 2012

Source: NYC Community Health Survey (CHS), 2012

CHS data are weighted to the residential adult population per Census 2010, 2008 HVS for phone usage and 2008-2010 American Community Survey. Data for adults are age-adjusted to the United States 2000 Standard Population.

	Weighted #	Percent	95% Confidence Interval		T-test p-value
			Lower Limit	Upper Limit	
No leisure-time physical activity past 30 days					
Overall	1,406,000	22.4	20.7	24.2	n/a
Arthritis	305,000	33.1	24.9	42.5	ref
No arthritis	1,095,000	21.3	19.4	23.2	0.011
Did not walk for 10 blocks or more past 30 days					
Overall	1,170,000	18.8	17.3	20.4	n/a
Arthritis	323,000	30.2	22.7	38.9	ref
No arthritis	836,000	16.5 ^U	14.9	18.3	0.000
Self-describe as not at all physically active					
Overall	314,000	5.2	4.3	6.3	n/a
Arthritis	85,000	15.1	8.5	25.2	ref
No arthritis	225,000	4.6	5.7	13.0	0.013

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Bold text indicates significant differences from the reference group.

^D When rounding to the nearest whole number, round down.

^U When rounding to the nearest whole number, round up.