# Muscle-strengthening Activity among New Yorkers 

## Data Tables

Table 1. Meeting muscle-strengthening guidelines, NYC adults and youth, 2011

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Table 3. Support for muscle-strengthening activity among NYC adults and youth, 2011

## Data Sources

The New York City Physical Activity and Transit Survey (PAT) 2011 was a telephone survey conducted by the Health Department to better understand patterns of physical activity and other factors that facilitate a healthy lifestyle. Data presented in this Brief are from 2,488 adults aged 18 and older who completed wave two of the survey; data are age adjusted to the US 2000 Standard population, except for age-specific estimates. PAT was supported by funding from the US Department of Health and Human Services.
New York City Youth Risk Behavior Survey (NYC YRBS) 2011: Data on NYC students in grades 9 through 12 (also referred to here as "youth") are from the 2011 NYC YRBS, a self-administered, anonymous survey conducted in NYC public high schools by the Health Department and the NYC Department of Education. For more survey details, visit http://www.nyc.gov/html/doh/html/data/youth-risk-behavior.shtml.

To access the related Epi Data Brief, go to nyc.gov/html/doh/downloads/pdf/epi/databrief39.pdf

Table 1. Meeting muscle-strengthening guidelines, NYC adults and youth, 2011
Source: 2011 Physical Activity and Transit Survey, 2011 NYC Youth Risk Behavior Survey

\left.|  | Adults (18 years of age or older) |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 95\% |  |  |$\right)$

2008 Physical Activity Guidelines for Americans:
Adults should do at least 150 minutes (two hours and 30 minutes) a week of moderate-intensity, or 75 minutes (one hour and 15 minutes) a week of vigorous-intensity aerobic physical activity, or an equivalent combination of moderate- and vigorousintensity aerobic activity. Aerobic activity should be performed in episodes of at least 10 minutes, and preferably, it should be spread throughout the week. Adults should also do musclestrengthening activities that are moderate or high intensity and involve all major muscle groups on two or more days a week.

Children and adolescents should do 60 minutes (one hour) or more of physical activity daily. Most of the 60 or more minutes a day should be either moderate- or vigorous-intensity aerobic physical activity, and should include vigorous-intensity physical activity at least three days a week. As part of their 60 or more minutes of daily physical activity, children and adolescents should include muscle-strengthening physical activity on at least three days of the week.

Except for age-specific estimates, data for adults are age-adjusted to the United States 2000 Standard Population.
$95 \%$ confidence intervals are a measure of estimate precision. The wider the interval the more imprecise the estimate.
P values are reported for significance tests for trends for ordinal variables (age, grade, education, income) and T-tests for difference from reference for categorical variables. P values of < 0.05 are bolded.
*Estimate should be interpreted with caution. The relative standard error (a measure of estimate precision) is greater than 30, making the estimate potentially unreliable.
†FPL: Federal poverty level
${ }^{\wedge}$ Analysis of education is restricted to NYC adults aged 25 and older
U When rounding to the nearest whole number, estimate rounds up
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Table 2. Meeting both muscle-strengthening and physical activity guidelines, NYC adults and youth, 2011
Source: 2011 Physical Activity and Transit Survey, 2011 NYC Youth Risk Behavior Survey

|  | Adults (18 years of age or older)95\% |  |  | Youth (public high school students)95\% |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NYC Total | 26.1 | (23.5-28.9) | -- | 16.3 | (15.0-17.6) | -- |
| Gender |  |  |  |  |  |  |
| Female | 19.9 | (16.9-23.4) | ref | 10.1 | (8.9-11.6) | ref |
| Male | 32.8 | (28.7-37.1) | <0.01 | 23.1 | (21.2-25.1) | <0.01 |
| Age Group |  |  |  |  |  |  |
| 18-24 | $30.5{ }^{\text {U }}$ | (22.6-39.9) |  |  |  |  |
| 25-44 | 29.0 | (24.4-34.0) | <0.01 |  |  |  |
| 45-64 | 25.3 | (21.3-29.7) |  |  |  |  |
| 65+ | $17.5{ }^{\text {D }}$ | (13.5-22.3) |  |  |  |  |
| Grade Level |  |  |  |  |  |  |
| 9th grade |  |  |  | 18.2 | (16.3-20.3) |  |
| 10th grade |  |  |  | 15.9 | (13.8-18.2) | <0.01 |
| 11th grade |  |  |  | 17.8 | (16.2-19.5) | 0.01 |
| 12th grade |  |  |  | 12.4 | (10.4-14.7) |  |
| Race/Ethnicity |  |  |  |  |  |  |
| White, non-Hispanic | 31.4 | (26.6-36.6) | ref | 19.6 | (16.6-23.0) | ref |
| Black, non-Hispanic | 31.7 | (26.4-37.6) | 0.92 | 16.1 | (14.7-17.6) | 0.04 |
| Hispanic | 16.1 | (12.5-20.7) | <0.01 | 15.9 | (14.1-17.8) | <0.05 |
| Asian, non-Hispanic | 19.4 | (13.2-27.5) | <0.01 | 13.0 | (9.7-17.1) | 0.01 |
| Other, non-Hispanic | 26.9* | (14.9-43.7) | 0.57 | 16.0 | (12.9-22.0) | 0.35 |
| Household Income (\% of FPL) $\dagger$ |  |  |  |  |  |  |
| <100\% FPL (lowest income) | 17.4 | (12.7-23.3) |  |  |  |  |
| 100 to 200\% FPL | 22.3 | (16.6-29.2) |  |  |  |  |
| 200 to 400\% FPL | 27.3 | (20.8-34.9) | <0.01 |  |  |  |
| 400 to 600\% FPL | 33.6 | (26.7-41.2) |  |  |  |  |
| >600\% FPL (highest income) | 43.6 | (36.9-50.5) |  |  |  |  |
| Education^ |  |  |  |  |  |  |
| Less than High School | 13.1 | (8.4-19.9) |  |  |  |  |
| High School Graduate | 20.8 | (16.0-26.6) | <0.01 |  |  |  |
| Some College | 27.9 | (21.9-34.9) |  |  |  |  |
| College Graduate | 33.6 | (29.1-38.4) |  |  |  |  |

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[^0]Table 3. Support for muscle-strengthening activity among NYC adults and youth, 2011
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