## Competitiveness Scorecard:

Assessing NYC Metro's Attractiveness as a Home for Human Capital

#### **FEBRUARY 2013**



# Competitiveness Scorecard: Project Overview

- Focus on human capital: Continuing to attract a young, highly talented workforce will be essential to NYC's ability to retain strength in core industries and successfully cultivate emerging industries
- Assess urban competitiveness quantitatively:
   Review data from large domestic metropolitan
   areas to capture presence and growth of highly educated demographic base
- Identify attractive characteristics: Examine performance on indicators that make an urban area attractive to potential residents

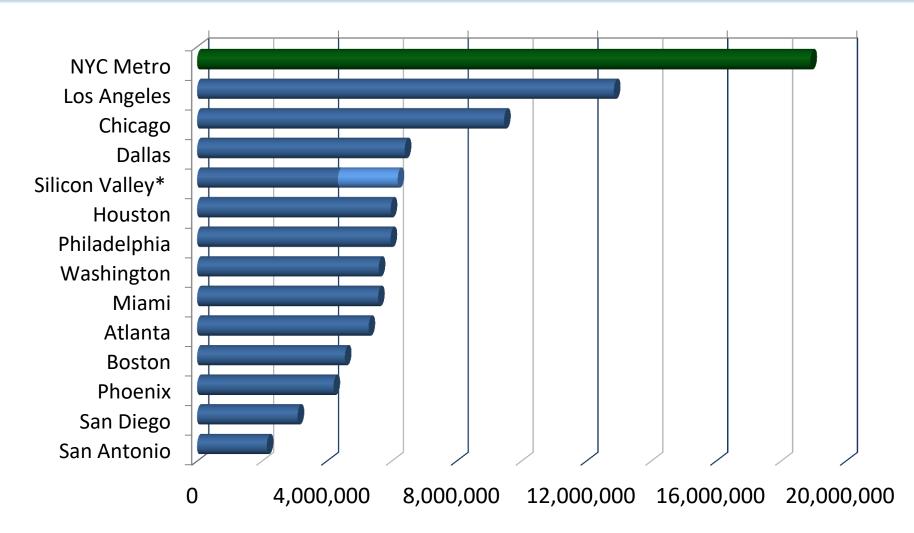
### Why Human Capital?

- Cities with high levels of human capital are the fastest-growing and most productive
- Employment growth projected within highly-skilled and low-skilled service industries
- Information-based and technical industries need a labor pool with specialized knowledge and expertise that require high levels of education, and offer high wages
- The continued development of these industries in turn attracts new capital and additional talent, and strengthens the tax base
- NYC metro's future economic prosperity depends on attracting and retaining a highly-educated labor force

### Who Are Our Competitors?

- 15 metropolitan areas that include ten largest metro regions and ten largest center cities
- Competitors selected based on size: Size and density of large cities offer unique benefits and challenges that are not comparable to smaller areas
- Metropolitan areas, rather than cities, are the unit of analysis: better approximate the boundaries of business and leisure opportunities
- Note: San Francisco and San Jose metro areas presented together as "Silicon Valley"

# Urban Competitors: Largest 15 Domestic Metropolitan Areas



<sup>\*</sup> San Francisco and San Jose metro areas presented together as "Silicon Valley." Includes Bay Area.

## What Makes This Study Different?

- Quantitative approach: Data, rather than qualitative assessments, drives analysis and results
- New York City specific: Academic literature
  assesses metro areas generally, rather than
  allowing for direct comparisons between them
- Scorecard: Comprehensive set of indicators that benchmarks performance and allows for monitoring future performance

#### **CBC Scorecard**

#### A. DEMOGRAPHICS

Where are the Young and Highly Educated, and Where are They Headed?

People & Net-In Migration

#### **B. HUMAN CAPITAL**

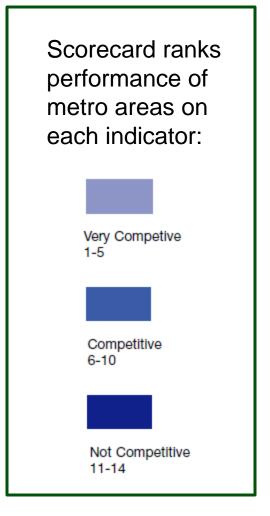
What Channels Exist to Build Knowledge, Expand Skills and Foster Innovation?

Higher Education, Employment & Entrepreneurship

#### C. QUALITY OF LIFE

Is the Area an Attractive Place to Live?

Public Services & Amenities



## Summary of Findings

- New York City metro is very competitive in attracting and retaining highly-skilled individuals
  - Strength of higher education institutions is a competitive advantage and a powerful "pull" factor, particularly for foreign-born talent
  - Robust employment opportunities and competitive pay in key industries are important competitive advantages
  - Safety, recreational opportunities and cultural institutions are attractive characteristics
- However, NYC metro is not an undisputed leader; competitors may be poised to overtake NYC metro
  - Washington DC and Silicon Valley surpass NYC metro on important measures, including net-in migration rates of highly educated
  - NYC metro lags greatly behind Silicon Valley in entrepreneurship
  - NYC metro's weakest performance is on quality of life measures, particularly housing and transit

## DEMOGRAPHICS

## Demographics: Highly Competitive

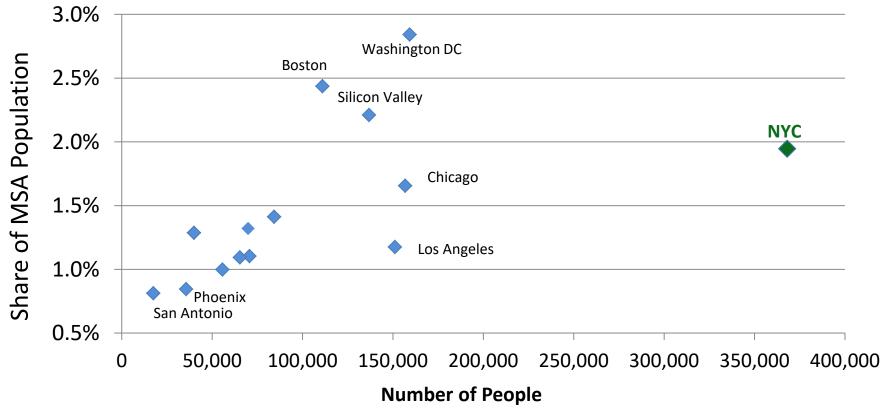
|              | METRO AREAS  | New York<br>City | Los Angeles | Chicago | Dallas | Silicon<br>Valley | Houston | Philadelphia | Miami | Washington<br>DC | Atlanta | Phoenix | Boston | San Diego | San Antonio |
|--------------|--|------------------|-------------|---------|--------|-------------------|---------|--------------|-------|------------------|---------|---------|--------|-----------|-------------|
|              | Number of Young<br>and Highly Educated                 | 1                | 4           | 3       | 8      | 5                 | 10      | 7            | 11    | 2                | 9       | 13      | 6      | 12        | 14          |
| Щ            | Young and Highly Educated as a Share of the Population | 4                | 9           | 5       | 10     | 3                 | 11      | 6            | 12    | 1                | 7       | 13      | 2      | 8         | 14          |
| PEOPLE       | Number of Highly Educated                              | 1                | 2           | 4       | 9      | 5                 | 11      | 7            | 8     | 3                | 10      | 13      | 6      | 12        | 14          |
|              | Highly Educated as a Share of the Population           | 4                | 10          | 5       | 11     | 2                 | 13      | 7            | 9     | 1                | 8       | 12      | 3      | 6         | 14          |
|              | _  |                  |             |         |        |                   |         |              |       |                  |         |         |        |           |             |
| NOIT         | Number of Young<br>and Highly Educated                 | 2                | 5           | 9       | 6      | 3                 | 4       | 14           | 8     | 1                | 10      | 13      | 7      | 11        | 12          |
| IN-MIGRATION | Percent Change in Number of Young & Highly Educated    | 9                | 10          | 13      |        | 3                 |         | 14           | 7     | 1                | 11      | 12      | 6      | 8         | 4           |
|              | Number of Highly Educated                              | 4                | 7           | 12      | 5      | 2                 | 3       | 14           | 9     | 1                | 11      | 13      | 6      | 8         | 10          |
| NET          | Percent Change in the<br>Number of Highly Educated     | 12               | 11          | 13      | 4      | 5                 | 1       | 14           | 9     | 2                | 10      | 8       | 7      | 6         | 3           |

- New York City metro is very competitive in attracting and retaining highly-skilled individuals
- But Washington DC and Silicon Valley have a greater concentration of highly educated and are growing at a faster pace

### Where Are the Young and Educated?

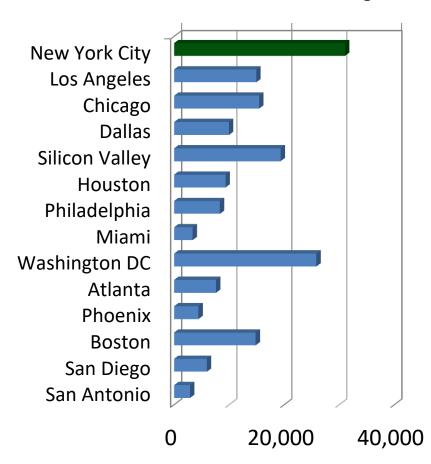
The greatest number of young and educated are in the New York City metro area, and this demographic constitutes a larger share of the total MSA population than it does in most places.



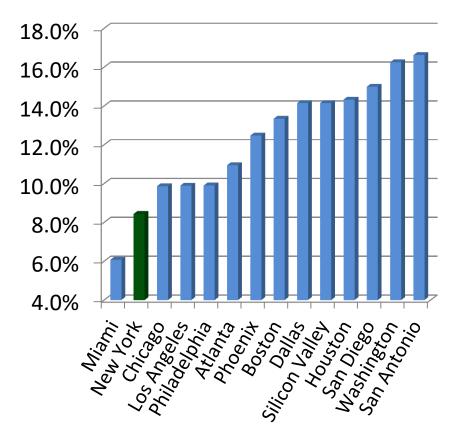


#### Where are the Young and Highly Educated Going?

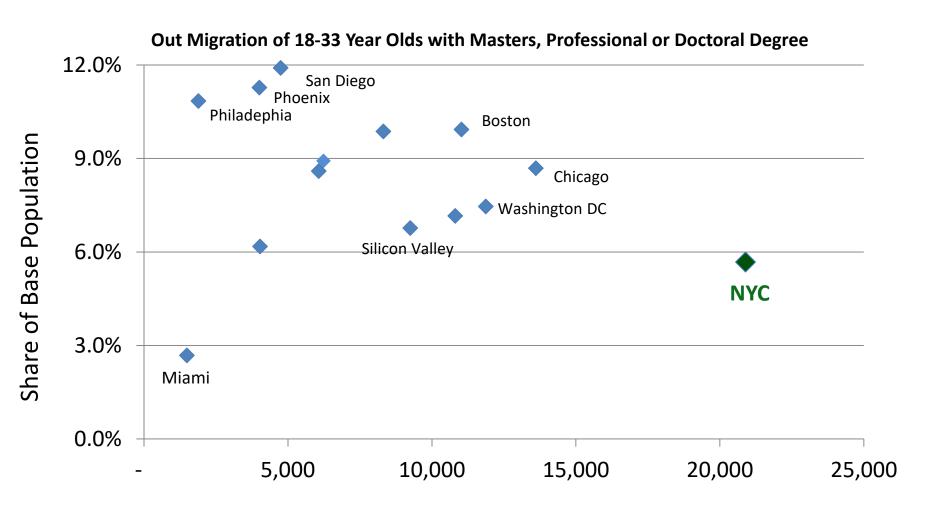
### In Migration of 18-33 Year Olds With A Masters, Professional or Doctoral Degree



## In Migration as a Percent of 18-33 Year Olds with A Masters, Professional or Doctoral Degree



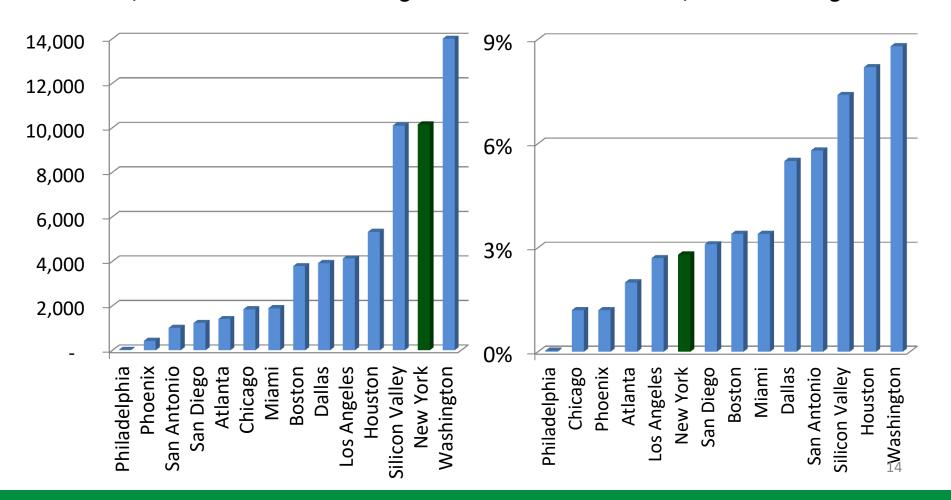
## Which Metro Areas Are Losing the Young and Highly Educated?



# Net In-Migration: Young Adults with Masters Degrees

Net In-Migration of 18-33 Year Olds with a Masters, Professional or Doctoral Degree

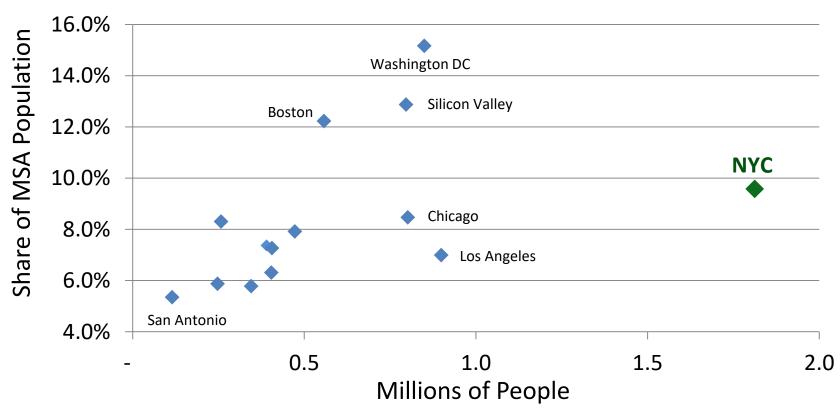
Net In-Migration as a Percent of 18-33 Years Olds with a Masters, Pro. or Doc Degree



#### Where are the Highly Educated?

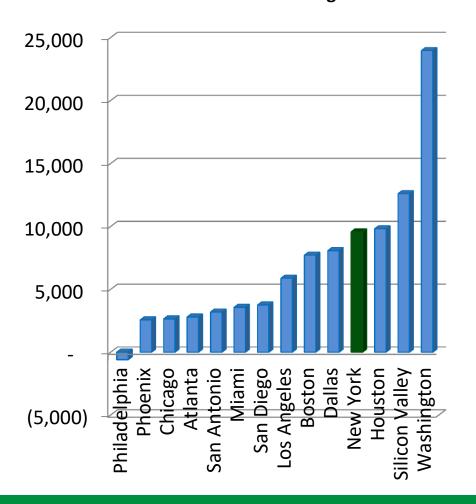
The metro areas with the largest shares of highly educated are also the areas with the largest shares of young and highly educated.

#### All Ages with Masters, Professional & Doctoral Degrees

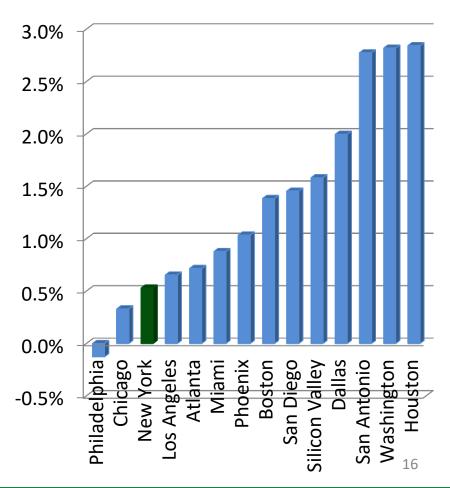


#### Which Areas Gain the Highly Educated?

#### Net Migration of People with Masters, Professional or Doctoral Degrees



### Net Migration as a Share of People with Masters, Professional or Doctoral Degrees



## HUMAN CAPITAL

## Human Capital: Highly Competitive

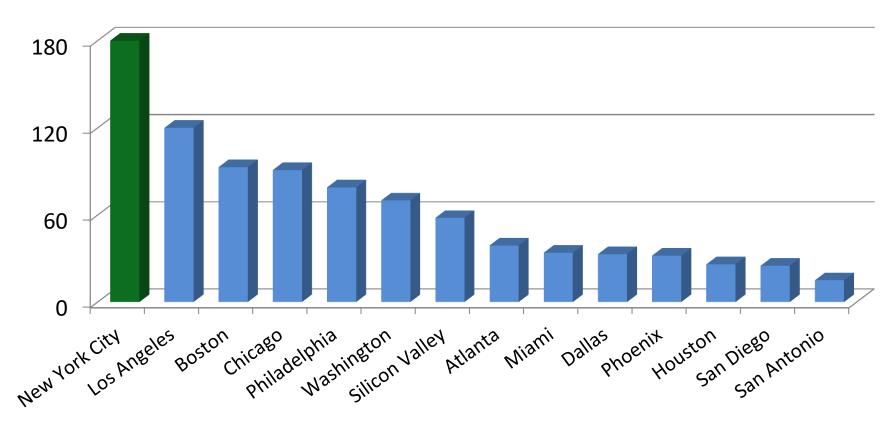
|                  | METRO AREAS  | New York<br>City | Los Angeles | Chicago | Dallas | Silicon<br>Valley | Houston | Philadelphia | Miami | Washington<br>DC | Atlanta | Phoenix | Boston | San Diego | San Antonio |
|------------------|--|------------------|-------------|---------|--------|-------------------|---------|--------------|-------|------------------|---------|---------|--------|-----------|-------------|
| z                | Number of Educational Institutions                   | 1                | 2           | 4       | 10     | 7                 | 12      | 5            | 9     | 6                | 8       | 11      | 3      | 13        | 14          |
| HIGHER           | Number of Undergraduate and Graduate Students        | 1                | 2           | 6       | 11     | 9                 | 13      | 7            | 8     | 5                | 10      | 3       | 4      | 12        | 14          |
| HIG              | Number of International Students                     | 1                | 2           | 5       | 8      | 4                 | 7       | 9            | 10    | 6                | 11      | 13      | 3      | 12        | 14          |
|                  |  |                  |             |         |        |                   |         |              |       |                  |         |         |        | -         |             |
|                  | Number of Jobs in Key Industries                     | 1                | 2           | 3       | 6      | 5                 | 10      | 7            | 11    | 4                | 9       | 12      | 8      | 13        | 14          |
| EMPLOYMENT       | Share of Employment in Key Industries                | 3                | 9           | 10      | 7      | 2                 | 14      | 11           | 12    | 1                | 4       | 8       | 6      | 5         | 13          |
| MPLO             | Average Annual Pay                                   | 2                | 8           | 7       | 9      | 1                 | 5       | 6            | 13    | 4                | 10      | 12      | 3      | 11        | 14          |
| Ē                | Number of Fortune 500 Companies                      | 1                | 6           | 3       | 7      | 2                 | 4       | 9            | 13    | 5                | 8       | 11      | 10     | 14        | 12          |
|                  |  |                  |             |         |        |                   |         |              |       |                  |         |         |        |           |             |
| 믎                | Number of Self-Employed                              | 1                | 2           | 4       | 8      | 9                 | 10      | 7            |       | 6                |         | 12      | 11     | 13        | 14          |
| EURS             | Number of Self-Employed as a Share of All Employment | 3                | 4           | 5       | 12     | 11                | 13      | 9            |       | 8                |         | 6       | 10     | 7         | 14          |
| PREN             | Rate of Business Creation (Kauffman Index)           | 7                | 3           | 10      | 8      | 5                 | 4       | 12           | 2     | 9                | 1       | 6       | 11     |           |             |
| ENTREPRENEURSHIP | Venture Capital,<br>Dollars Invested, 2008-2012      | 3                | 4           | 5       | 9      | 1                 | 9       | 8            |       | 7                |         |         | 2      | 6         | 9           |
| Ē                | Venture Capital,<br>Number of Deals, 2008-2012       | 3                | 5           | 4       | 9      | 1                 | 9       | 7            |       | 6                |         |         | 2      | 8         | 9           |

## Human Capital: Highly Competitive

- NYC metro has an important competitive advantage in higher education: great number of institutions and breadth of course offerings provide training that is not limited to one field or industry
- Strength of higher education institutions is important for attracting domestic and foreign talent
- Robust employment opportunities and competitive pay are strengths
- NYC metro has not fostered entrepreneurship as successfully as Silicon Valley

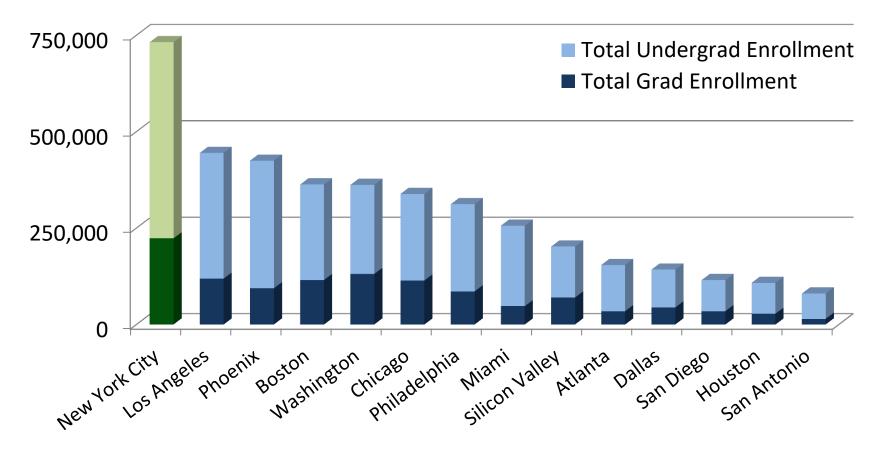
# NYC Metro Has the Greatest Number of Academic Institutions

#### **Number of Four-Year Academic Institutions**



<u>Note</u>: Four-year baccalaureate-granting institutions within a 50-mile geographic radius of the central city Central Business District.

### NYC Metro Attracts the Greatest Number of Undergraduate and Graduate Students



<u>Notes</u>: Undergraduate enrollment includes non-matriculated and certificate students. University of Phoenix Enrollment includes online enrollment and campuses located outside Arizona.

Source: National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall 2008 Enrollment.

# NYC Metro Draws the Greatest Number of Grad Students Across Fields – Except in Engineering

| Metro Area     | Total Grad<br>Enrollment | Engineering | Math & Science | Business & Management* | Law | Dental &<br>Medical |
|----------------|--------------------------|-------------|----------------|------------------------|-----|---------------------|
| New York City  | 1                        | 2           | 1              | 2                      | 1   | 1                   |
| Washington     | 2                        | 4           | 3              | 3                      | 2   | 3                   |
| Los Angeles    | 3                        | 3           | 4              | 5                      | 3   | 6                   |
| Boston         | 4                        | 5           | 2              | 6                      | 5   | 4                   |
| Chicago        | 5                        | 9           | 7              | 4                      | 4   | 2                   |
| Phoenix*       | 6                        | 11          | 13             | 1*                     | 14  |                     |
| Philadelphia   | 7                        | 7           | 6              | 7                      | 7   | 5                   |
| Silicon Valley | 8                        | 1           | 5              | 8                      | 6   | 8                   |
| Miami          | 9                        | 13          | 12             | 10                     | 9   |                     |
| Dallas         | 10                       | 8           | 10             | 9                      | 11  |                     |
| Atlanta        | 11                       | 6           | 9              | 11                     | 10  |                     |
| San Diego      | 12                       | 10          | 11             | 13                     | 12  |                     |
| Houston        | 13                       | 12          | 8              | 12                     | 8   | 7                   |
| San Antonio    | 14                       | 14          | 14             | 14                     | 13  | 9                   |

<sup>\*</sup>Note: Includes online enrollments of the University of Phoenix and campuses located outside Arizona.

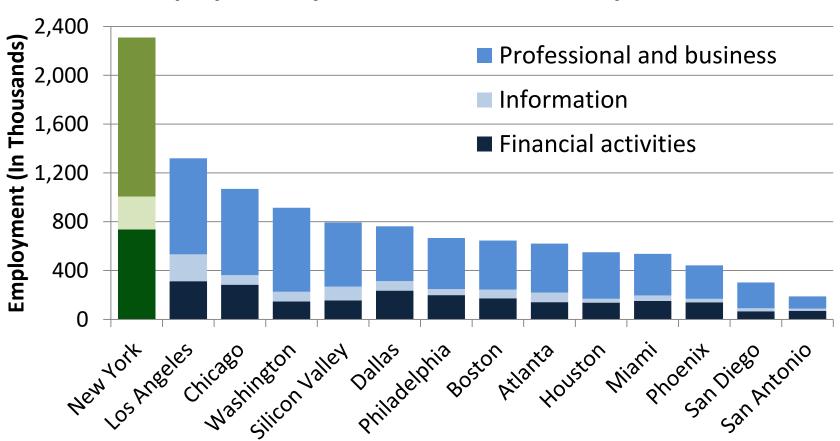
## NYC Metro Continues to Attract the Greatest Number of International Students

| Metro Area           | International Student Enrollment, 2009-2010 | Share of U.S. International<br>Student Enrollment | Share of Total Metro Enrollment, 2008-09 |  |  |
|----------------------|---|---|--|--|--|
| <b>New York City</b> | 60,791                                      | 8.8%  | 7.4%                                     |  |  |
| Los Angeles          | 42,103                                      | 6.1%  | 6.3%                                     |  |  |
| Boston               | 29,276                                      | 4.2%  | 8.0%                                     |  |  |
| Silicon Valley       | 28,480                                      | 4.2%  | 10.2%                                    |  |  |
| Chicago              | 19,706                                      | 2.9%  | 4.8%                                     |  |  |
| Washington           | 19,530                                      | 2.8%  | 4.9%                                     |  |  |
| Houston              | 17,395                                      | 2.5%  | 6.5%                                     |  |  |
| Dallas               | 16,054                                      | 2.3%  | 7.6%                                     |  |  |
| Philadelphia         | 12,279                                      | 1.8%  | 4.3%                                     |  |  |
| Miami                | 11,366                                      | 1.6%  | 4.5%                                     |  |  |
| Atlanta              | 9,689                                       | 1.4%  | 5.5%                                     |  |  |
| San Diego            | 7,632                                       | 1.1%  | 4.2%                                     |  |  |
| Phoenix              | 7,042                                       | 1.0%  | 3.5%                                     |  |  |

Note: San Antonio was not one of the top 20 metro areas to attract international students. Data not reported.

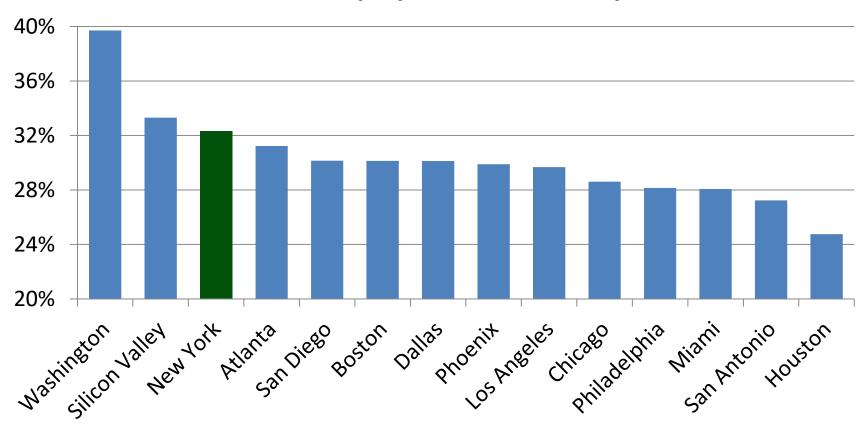
# NYC Metro Has the Greatest Number of Jobs in Three Key Industries

#### **Employment by Metro Area and Industry, 2011**



## Washington DC and Silicon Valley Have the Greatest Share of Employment in These Industries

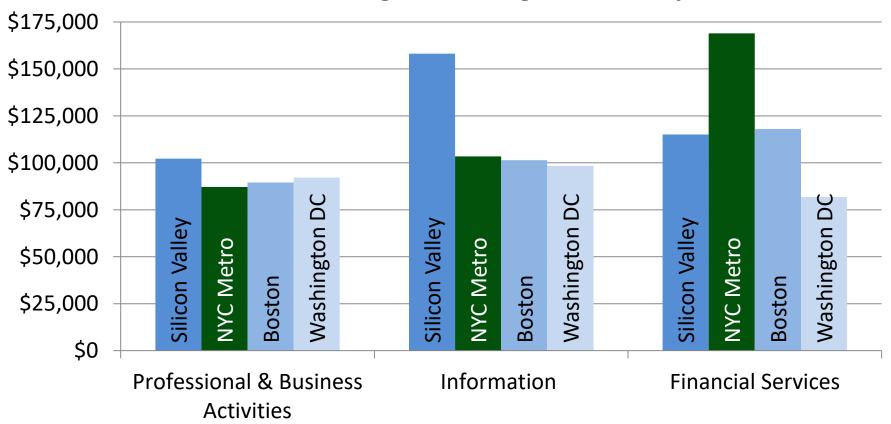
#### **Share of Private Employment in Three Key Industries**



**Metro Area** 

# Average Annual Pay in Key Industries is High Relative To Key Competitors

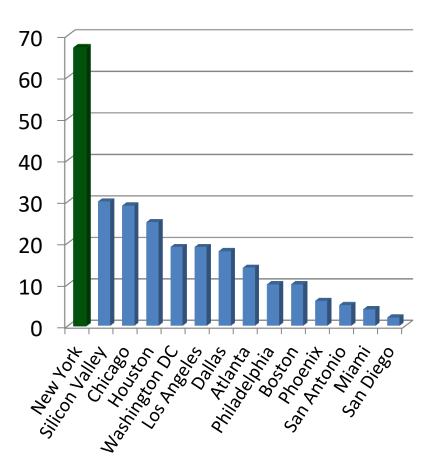
#### Metro Areas With Highest Average Annual Pay, 2011



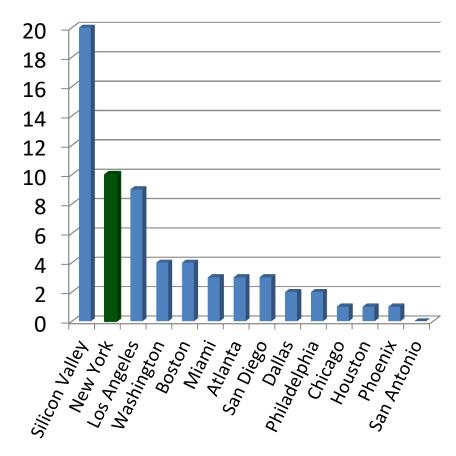
Note: Top 4 in each category. Chicago ranks 4<sup>th</sup> in average annual pay for financial services (Washington DC ranks 7<sup>th</sup>).

# NYC Metro Is a Center for Large, Attractive Employers

#### **Fortune 500 Companies**

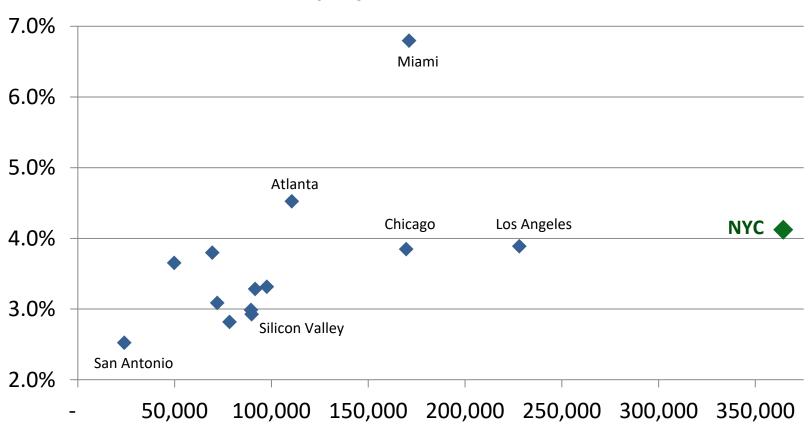


#### **Forbes' Most Promising Companies**



# NYC Metro Is Above 15-Metro Average in Share of Self-Employed

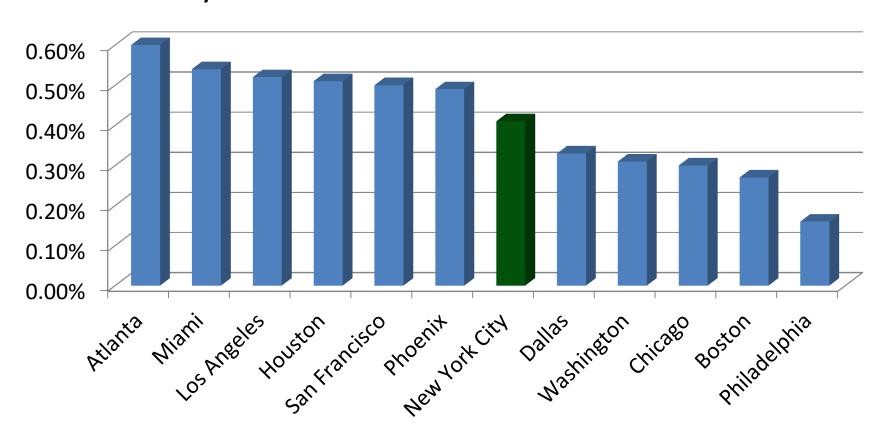
#### Self-Employed, Number and Share



Note: Includes Incorporated Only.

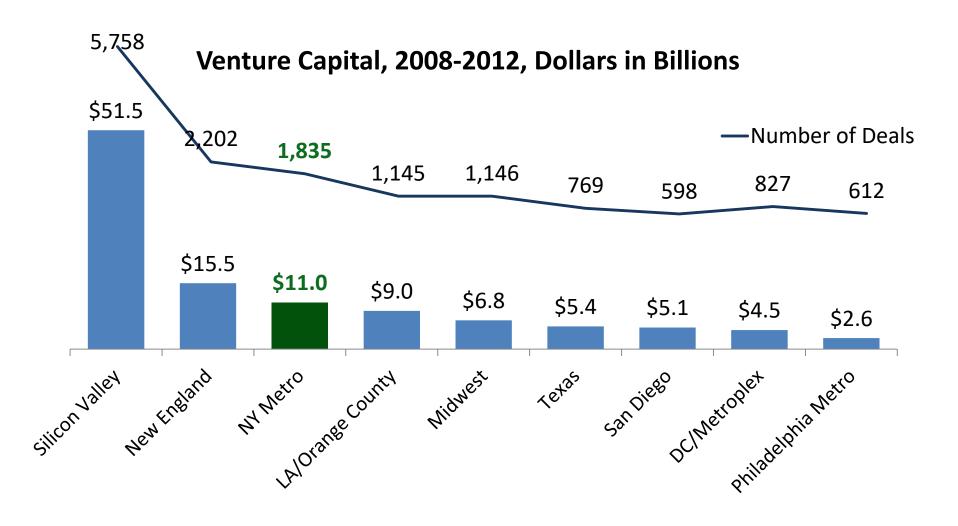
# Other Metro Areas Have Higher Rates of Business Creation

## Kauffman Index, 2008-2010 Monthly Rate of Business Creation at the Individual Owner Level



<u>Note</u>: Metro areas of San Antonio, San Diego and San Jose not included in the report. Source: Robert W. Fairlie, "Kauffmann Index of Entrepreneurial Activity, 1996-2010," March 2011.

# Silicon Valley Has Been Most Successful In Attracting Venture Capital



# Silicon Valley Greatly Surpasses NYC Metro Area in Number of IPOs Over Last 15 Years

| Metro Area     | Total IPOs,<br>1997-2012 | Value of Offerings<br>(\$ in billions) | Top Industry                       | Number of IPOS in that Industry |  |  |
|----------------|--------------------------|--|------------------------------------|---------------------------------|--|--|
| Silicon Valley | 365                      | \$200.8                                | Internet Specific                  | 96                              |  |  |
| New York       | 122                      | \$78.7                                 | Internet Specific                  | 35                              |  |  |
| Boston         | 115                      | \$45.1                                 | Biotechnology                      | 25                              |  |  |
| Los Angeles    | 69                       | \$36.4                                 | Internet Specific                  | 19                              |  |  |
| San Diego      | 55 \$14.9 Bio            |  | Biotechnology                      | 17                              |  |  |
| Chicago        | o 50                     |  | Consumer Related/Internet Specific | 8                               |  |  |
| Washington DC  | 49                       | \$20.0                                 | Computer Software                  | 14                              |  |  |
| Atlanta        | 45                       | \$19.8                                 | Computer Software                  | 11                              |  |  |
| Houston        | 39                       | \$28.6                                 | Industrial/Energy                  | 23                              |  |  |
| Dallas         | 36                       | \$38.2                                 | Internet Specific                  | 7                               |  |  |
| Philly         | 35                       | \$9.8                                  | Medical/Health                     | 9                               |  |  |
| Miami          | 28                       | \$13.2                                 | Communications                     | 7                               |  |  |
| Phoenix        | 10                       | \$6.3                                  | Medical/Health/ Consumer Related   | 3                               |  |  |
| San Antonio    | 2                        | \$3.4                                  |                                    |                                 |  |  |

## QUALITY OF LIFE

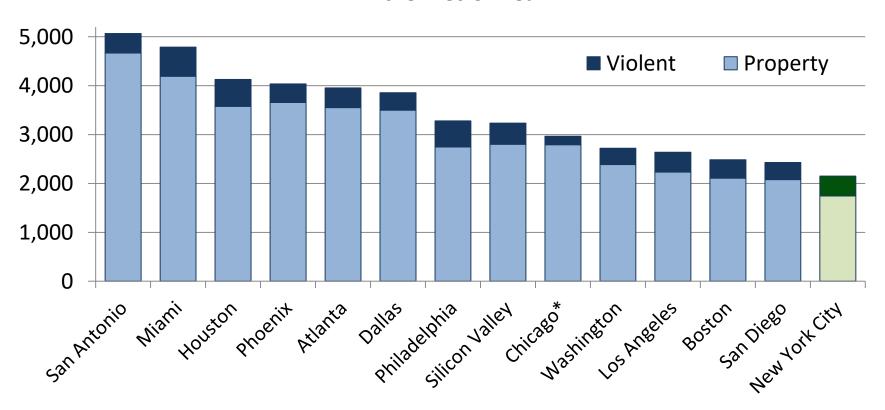
## Quality of Life: Competitive

|            | METRO AREAS   | New York<br>City | Los Angeles | Chicago | Dallas | Silicon<br>Valley | Houston | Philadelphia | Miami | Washington<br>DC | Atlanta | Phoenix | Boston | San Diego | San Antonio |
|------------|---|------------------|-------------|---------|--------|-------------------|---------|--------------|-------|------------------|---------|---------|--------|-----------|-------------|
|            | Crime Rates<br>(1 = Lowest)                         | 1                | 4           | 6       | 9      | 7                 | 12      | 8            | 13    | 5                | 10      | - 11    | 3      | 2         | 14          |
| SERVICES   | Percent Proficient on NAEP,<br>Grade 8 Reading      | 3                | 8           | 5       | 11     |                   | 6       | 8            | 1     | 10               | 7       |         | 3      | 2         |             |
|            | Percent Proficient on NAEP,<br>Grade 8 Math         | 4                | 9           | 7       | 5      |                   | 3       | 8            | 5     | 11               | 9       |         | 1      | 2         |             |
| PUBLIC     | Rent Affordability<br>(1 = Most Affordable)         | 9                | 12          | 8       | 1      | 5                 | 4       | 11           | 14    | 1                | 10      | 7       | 6      | 13        | 3           |
| <u>ا</u> ح | Commute Times<br>(1 = Shortest Commute)             | 14               | 8           | 12      | 5      | 7                 | 6       | 9            | 4     | 13               | 11      | 3       | 10     | 1         | 2           |
|            |   |                  |             |         |        |                   |         |              |       |                  |         |         |        |           |             |
| S          | Park Space,<br>Acreage Per Capita                   | 11               | 11          | 13      | 3      | 7                 | 4       | 9            | 14    | 6                | 9       | 2       | 8      | 1         | 5           |
| AMENITIE   | Park Space, Acreage as a<br>Share of City Land      | 2                | 12          | 11      | 7      | 6                 | 7       | 9            | 13    | 3                | 14      | 4       | 5      | 1         | 10          |
| AME        | Entertainment and Arts<br>Establishments Per Capita | 3                | 1           | 6       | 12     | 7                 | 14      | 8            | 2     | 5                | 9       | 11      | 4      | 10        | 13          |
|            | Bars & Restaurants<br>Per Capita                    | 2                | 10          | 6       | 12     | 3                 | 13      | 5            | 4     | 7                | 8       | 14      | 1      | 9         | 11          |

- NYC metro's weakest performance is on quality of life measures, particularly commute times and rent affordability
- Safety, recreational opportunities and cultural institutions are NYC metro's strengths

### NYC Metro Is the Safest Large Metro Area

### 2011 Property and Violent Crime Rates per 100,000 Inhabitants in the Metro Area



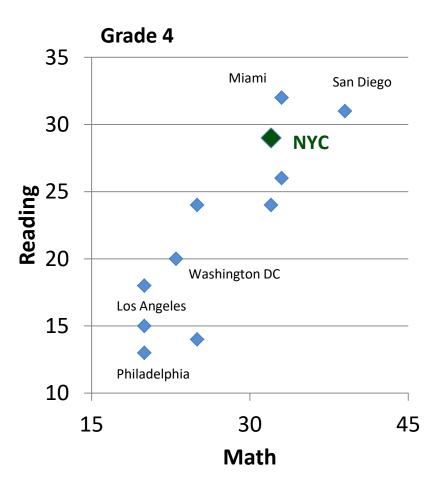
Notes: Violent crime rates for Chicago metro area understated; City of Chicago rape statistics do not meet FBI reporting standards.

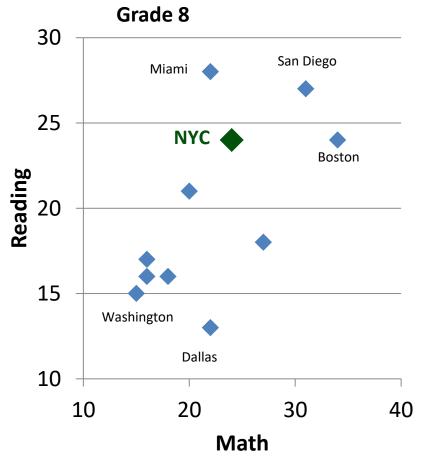
<u>Source</u>: U.S. Federal Bureau of Investigation, Criminal Justice Information Services Division, "Table 6: Crime in the United States by Metropolitan Statistical Area, 2011."

### Performance of NYC Schools is Third or Fourth Among Large Urban School Districts

#### **National Assessment of Educational Progress (NAEP)**

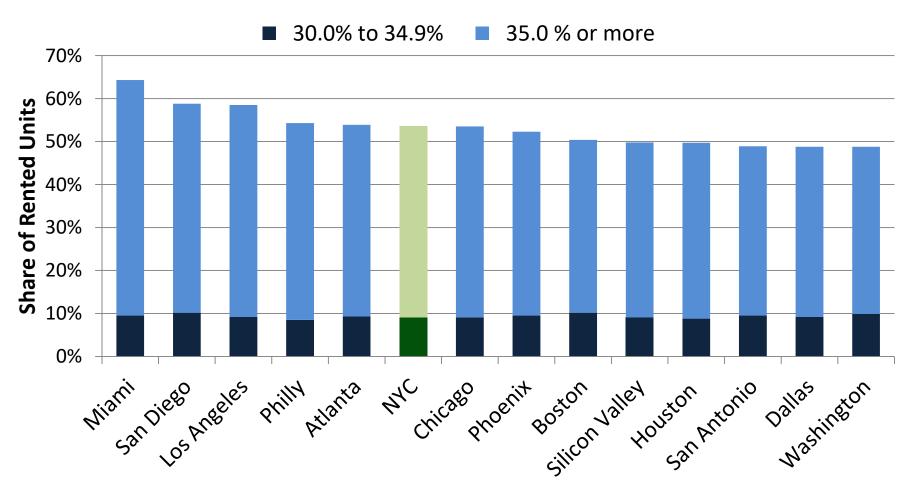
Percent of Students At or Above Proficient Level, 2011





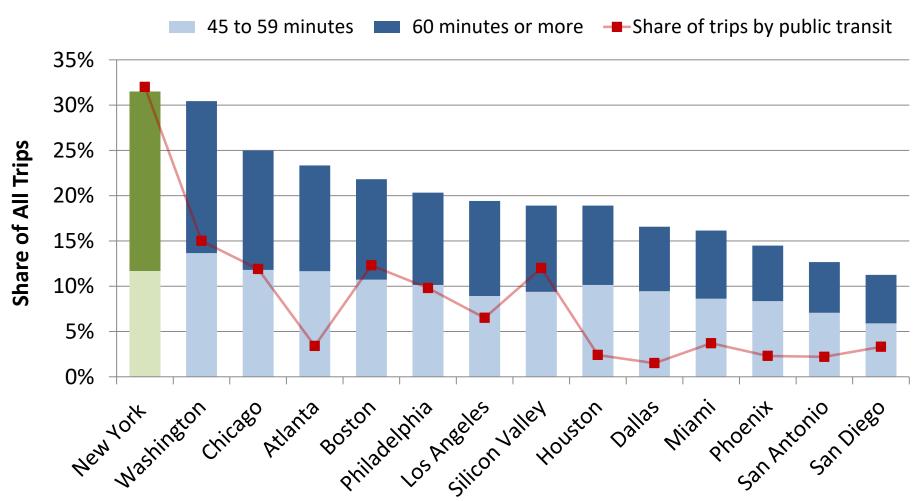
# In Most Other Metro Areas, Rent Constitutes a Smaller Share of Income

#### Rent as a Share of Household Income

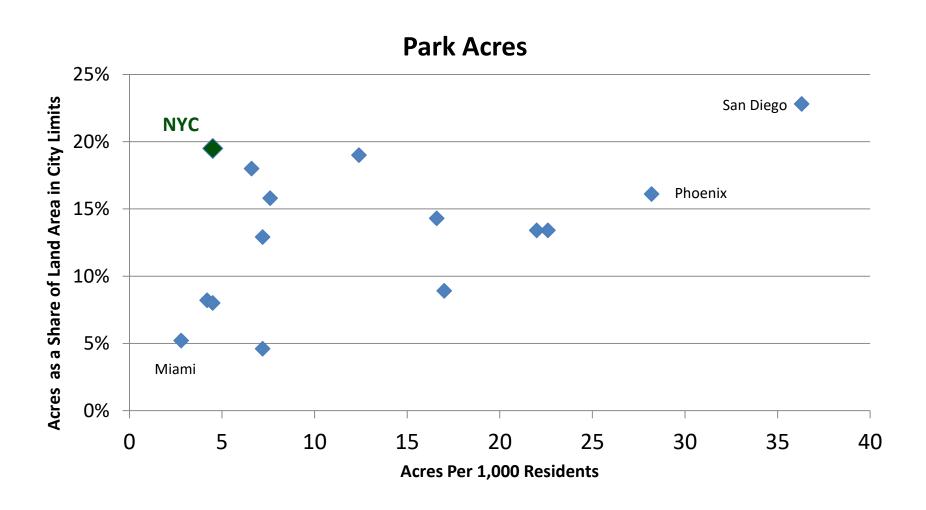


#### NYC Metro Has Lengthiest Commute Times

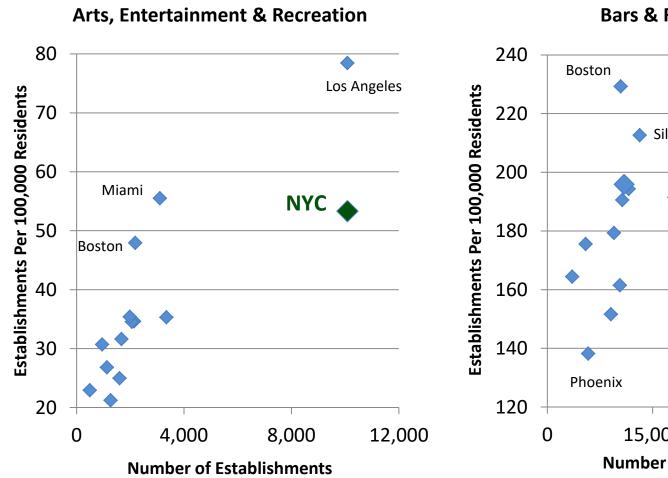
#### **Average Travel Time to Work**

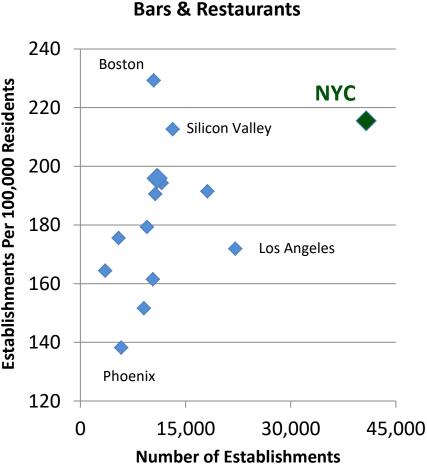


### NYC Has a High Share of Park Space, but a Low Number of Acres on a Per-Capita Basis



# NYC Metro has an Abundance of Cultural and Recreational Establishments





# Additional Analysis: FACTORS INFLUENCING MIGRATION

# Evaluating Factors Affecting the Residential Decisions of Young People

- The National Longitudinal Survey of Youth (NLSY) is a nationally representative dataset that tracks young people from high school into their careers
- There have been two surveys:
  - 1979 cohort: Sample of more than 9,000 young people, ages 14-22, surveyed biennially (2010)
  - 1997 cohort: Sample of 9,000 young people, ages 12-16, surveyed annually (2009)
- The NLSY includes a wealth of demographic, educational and residential information that allows for some insight into migration behavior after graduating college
- Question: What factors increase the likelihood that educated young people will move into or stay in New York City one year, two years and five years after college?

### Identifying important factors

#### Approach:

- Restrict analysis to respondents who have earned an undergraduate degree
- Use data in the survey and other data that could be collected reliably from 1979 to 2010 for NYC metro and for each state
- Factors included in the model:
  - Personal ties to NYC metro: Previously lived in the NYC metro area or born in the Tri-state area
  - Education: Attended college in the NYC metro area
  - Employment conditions: Difference between unemployment rate in the NYC metro area and where you live or moved from
  - Personal demographics: Gender, race, marital status, and born outside of the U.S.
  - Weather conditions: Difference in temperature between NYC metro and where you live or moved from

### Personal ties, education and employment "pull" people to NYC metro

Previously living in the area, attending school here, having better job prospects, and originating from abroad **increase the likelihood** of living in NYC metro after college, **but** the "pull" decreases over time

|   | Increased Likelihood You Were Living in NYC |                         |                             |
|---|---|-------------------------|-----------------------------|
| Factor  | One Year<br>After College                   | Two Years After College | Five Years<br>After College |
| Previously resided in the NYC metro   | 12.9  | 12.6                    | 9.4                         |
| Attending college in NYC metro  | 10.9  | 5.8                     | 5.1                         |
| Born in Tri-state area  | 4.7   | 4.8                     | 6.2                         |
| Born outside of the U.S.  | 3.2   | 3.5                     | 3.5                         |
| For each percentage point difference between NYC and alternative location unemployment rate | 1.2   | 1.2                     | 1.3                         |
| Married   | 0.2   | 0.3                     | 0.4                         |

Note: This research was conducted with restricted access to BLS data. The views expressed here do not necessarily reflect the view of BLS.

### Takeaways

- NYC metro is highly competitive in attracting highly-skilled individuals
- NYC metro's dominance in higher education gives the city a major competitive advantage in attracting and retaining talent – and particularly foreign-born talent
- The breadth of offerings in higher education provide a highly-skilled workforce that is not limited to one field or industry
- Continued economic growth and competitive pay in key industries are important "pull" factors for young talent
- The presence of large and growing companies is a competitive advantage; on the other hand, the NYC metro area has not fostered entrepreneurship as successfully as Silicon Valley
- Safety and cultural amenities also provide important competitive advantages, but housing costs and commute times are policy challenges
- Cities to watch are those with high concentrations of highly-educated people and large shares of employment in key industries – Washington DC, San Francisco and San Jose

### RECOMMENDATIONS

### Maintaining a Competitive Position

- NYC metro has not always been a desirable place to live and work; vigilance is needed to prevent slow or unexpected decline
- NYC metro cannot cruise on auto-pilot; to maintain a competitive position, it must pursue policies that can expand human capital development, foster emerging industries and address weaknesses in quality of life

## Policy Recommendations Attracting Talent: Supporting Higher Ed

- Great number of academic institutions and breadth of offerings offer workforce training that is not limited to one field or industry
- Business, law, medicine, and arts are prominent, but NYC metro does not attract great numbers of engineering students or trained engineers
- Focus on supporting higher education in fields where NYC metro is lacking and that are relevant to emerging industries
  - Good example: Applied Sciences Initiative for new campuses focused on engineering, data sciences and engineering, and urban science
  - Other possibilities: health tech, 3D printing, mobile apps, green power, digital marketplace
- ➤ Develop training programs and apprenticeships with junior colleges and K-12 schools

### Policy Recommendations Cultivating Talent: Fostering Entrepreneurship

- NYC metro has made gains against Boston, but Silicon Valley attracts a far greater amount of venture capital and has spawned double the number of IPOs
- ➤ Expand the NYC Entrepreneurial Fund to \$100 million from \$22 million
- Improve commercial broadband connectivity and expand free wi-fi in public spaces
- ➤ Continue to foster incubators and affordable, connected workspace for tech-based start-ups

#### Policy Recommendations

#### Retaining Talent: Improving Public Services

- Other metro areas outperform NYC on quality of life measures, particularly commute times and rent affordability
- Pursue policies, including targeted subsidies and upzoning, that stimulate additional transitoriented development
- ➤ Develop a viable financial plan for maintaining and enhancing regional mass transit operations based on system needs and demographic growth (CBC Plan: "25-50-25")

# Policy Recommendations Retaining Foreign Talent: Immigration

- NYC metro consistently draws the greatest number of international students each year, but strict visa restrictions do not make it easy for foreign students to remain as employees and entrepreneurs
- Changes to visa protocols should provide flexibility for students educated and trained here to gain employment and become residents

# This analysis was prepared by Maria Doulis, Director of City Studies, with assistance from Rahul Jain, Gal Fix and Connor Mealey.



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