# Demographia United States Central Business Districts 

 (Downtowns) With Data for Selected Additional Employment Areas
## 3d Edition March 2014

Data from CTPP 2006-10


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# Demographia Central Business Districts (Downtowns) With Data for Selected Additional Employment Areas <br> 2006-2008 CTPP Data 

## INTRODUCTION

This is the third edition of Demographia Central Business Districts. The previous two editions provided estimates based on the 1990 and 2000 censuses. This edition provides estimates derived from the Census Transportation Planning Package (CTPP) 2006-2008 data (from the American Community Survey) This data was the basis of the Office of Management and Budget delineation of metropolitan areas for the 2010 census.

This edition focuses on the 52 major metropolitan areas (those with more than $1,000,000$ population as of the 2010 census). Central business district and transit commuting data is provided for the principal, historic central business districts (downtowns) for each of the metropolitan areas.

## Defining Central Business Districts

There are no generally accepted criteria by which to define central business districts. As in the case in the 2nd Edition, this edition defines the central business district using census tracts and seeks to include the complete concentration of high rise buildings (generally of 10 or more floors). This is a "tight" central business district definition, which is intended to gauge if the importance of transit commuting. This is consistent with Robert Fogelson, who noted in his classic volume Downtown: Its Rise and Fall: 18801950, that the concentrated US central business districts were the creation of transit.

Thus, medium and lower density employment that sometimes surrounds downtown are generally excluded (such as the large low and medium rise district that comprises most of the development inside the inner freeway loop of Los Angeles).

The CBD transit market shares are generally comparable to those from the 2nd edition, though changes in census tract boundaries could result in some discrepancies. There were substantial redefinitions in Atlanta and Richmond, such that the transit markets shares in these CBDs are not comparable.

This 3rd edition evaluates the employment share of CBD's using metropolitan area job totals as a base. This is different from the 2nd Edition, which used urban areas. As a result the CBD employment share data in the 3rd Edition is not comparable to that of previous editions.

## Additional Centers Outside CBDs

Supplemental information is provided for other selected employment centers or corridors. Unlike the complete central business district the data provided for the major metropolitan areas, the supplemental center data is not intended to be complete or a statistically significant sample of such centers or corridors. In some cases, the centers are indicated by their well known names (such as downtown Brooklyn in New York, Century City in Los Angeles or Perimeter Center in Atlanta). In other cases, the centers or corridors are simply identified by a geographical name, such as the US-75 Corridor in Dallas-Fort Worth or the WA-167 Corridor in Seattle. The additional centers are divided into four categories:

1. Secondary Pre-World War II Downtowns (Engulfed by Metropolitan Growth)
2. Post World War II Centers with Pre-War CBD Form (Sidewalk Oriented Building Construction)
3. Other Employment Centers and Corridors
4. Central Business Districts in Metropolitan Areas below 1,000,000 Population

Table 1
Central Business Districts (Downtowns): Summary of Employment and Transit Commuting
American Community Survey 2006-2010
Major Metropolitan Areas (1,000,000 \& Over Population)
Category of MMSA
Metropolitan Areas with Transit Legacy Cities (6)
New York
Chicago, Philadelphia, San Francisco, Boston, Washington
Outside Metropolitan Areas with Transit Legacy Cities (46)
Other MMSAs with >20\% CBD Transit Market Shares (5)
Other MMSAs with >10\% CBD Transit Market Shares (15)
Other MMSAs with <10\% CBD Transit Market Shares (26)
Overall Average
Unweighted Average of Major Metropolitan Areas

Median of Major Metropolitan Areas
6.5\%

| Local MMSA | CBD Transit |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Transit Market Share: CBD | Commuters: Share of MMSA Transit | Share of MMSA CBD Transit | Share of MMSA Transit Commuting | Share of MMSA |
| Employment | Commuters | Commuting in US | in US | Employment in US |
| 65.0\% | 54.0\% | 85.5\% | 71.2\% | 29.8\% |
| 76.6\% | 57.1\% | 54.8\% | 43.1\% | 11.4\% |
| 51.2\% | 49.1\% | 30.7\% | 28.0\% | 18.4\% |
| 13.7\% | 22.7\% | 14.5\% | 28.8\% | 70.2\% |
| 30.4\% | 25.2\% | 6.3\% | 11.3\% | 14.5\% |
| 14.0\% | 25.8\% | 5.9\% | 10.2\% | 26.3\% |
| 5.5\% | 14.5\% | 2.4\% | 7.3\% | 29.4\% |
| 42.1\% | 44.9\% | 100.0\% | 100.0\% | 100.0\% |
| 15.4\% | 24.5\% |  |  |  |
| 9.8\% | 21.7\% |  |  |  |
|  | 3.1\% |  |  |  |
|  | 4.9\% |  |  |  |

Table 2

## Central Business Districts (Downtowns): Employment

American Community Survey 2006-2010

|  | CBD (If not first named municipality) |  | MMSA |  |
| :---: | :---: | :---: | :---: | :---: |
| Metropolitan Area |  | CBD Employment | Employment | CBD Share |
| Atlanta, GA |  | 172,975 | 2,434,641 | 7.1\% |
| Austin, TX |  | 71,605 | 835,052 | 8.6\% |
| Baltimore, MD |  | 91,600 | 1,320,217 | 6.9\% |
| Birmingham, AL |  | 32,225 | 499,403 | 6.5\% |
| Boston, MA-NH |  | 242,900 | 2,279,803 | 10.7\% |
| Buffalo, NY |  | 32,890 | 518,632 | 6.3\% |
| Charlotte, NC-SC |  | 62,915 | 1,006,814 | 6.2\% |
| Chicago, IL-IN-WI |  | 500,450 | 4,407,655 | 11.4\% |
| Cincinnati, OH-KY-IN |  | 64,660 | 991,623 | 6.5\% |
| Cleveland, OH |  | 85,235 | 958,330 | 8.9\% |
| Columbus, OH |  | 78,875 | 897,380 | 8.8\% |
| Dallas-Fort Worth, TX |  | 69,710 | 2,968,972 | 2.3\% |
| Denver, CO |  | 119,565 | 1,252,889 | 9.5\% |
| Detroit, MI |  | 70,655 | 1,840,867 | 3.8\% |
| Grand Rapids, MI |  | 25,240 | 456,730 | 5.5\% |
| Hartford, CT |  | 62,520 | 589,357 | 10.6\% |
| Houston, TX |  | 169,495 | 2,645,276 | 6.4\% |
| Indianapolis. IN |  | 73,140 | 877,076 | 8.3\% |
| Jacksonville, FL |  | 44,035 | 621,153 | 7.1\% |
| Kansas City, MO-KS |  | 39,090 | 970,244 | 4.0\% |
| Las Vegas, NV |  | 24,350 | 894,892 | 2.7\% |
| Los Angeles, CA |  | 136,585 | 5,810,839 | 2.4\% |
| Louisville, KY-IN |  | 54,245 | 591,742 | 9.2\% |
| Memphis, TN-MS-AR |  | 19,455 | 579,235 | 3.4\% |
| Miami, FL |  | 96,760 | 2,504,316 | 3.9\% |
| Milwaukee,WI |  | 54,010 | 749,094 | 7.2\% |
| Minneapolis-St. Paul, MN-WI |  | 99,315 | 1,718,389 | 5.8\% |
| Nashville, TN |  | 50,490 | 776,796 | 6.5\% |
| New Orleans. LA |  | 49,250 | 510,454 | 9.6\% |
| New York, NY-NJ-PA |  | 1,981,305 | 8,983,981 | 22.1\% |
| Oklahoma City, OK |  | 10,040 | 579,514 | 1.7\% |
| Orlando, FL |  | 59,025 | 988,437 | 6.0\% |
| Philadelphia, PA-NJ-DE-MD |  | 239,625 | 2,758,126 | 8.7\% |
| Phoenix, AZ |  | 26,225 | 1,827,419 | 1.4\% |
| Pittsburgh, PA |  | 92,010 | 1,096,780 | 8.4\% |
| Portland, OR-WA |  | 85,195 | 1,043,671 | 8.2\% |
| Providence, RI-MA |  | 23,305 | 764,373 | 3.0\% |
| Raleigh, NC |  | 32,830 | 530,723 | 6.2\% |
| Richmond, VA |  | 56,815 | 498,175 | 11.4\% |
| Riverside-San Bernardino, CA | San Bernardino | 15,975 | 1,650,384 | 1.0\% |
| Rochester, NY |  | 26,560 | 569,488 | 4.7\% |
| Sacramento, CA |  | 75,970 | 929,984 | 8.2\% |
| Salt Lake City, UT |  | 44,015 | 514,702 | 8.6\% |
| San Antonio, TX |  | 57,015 | 928,004 | 6.1\% |
| San Diego, CA |  | 70,285 | 1,420,901 | 4.9\% |
| San Francisco-Oakland, CA |  | 297,420 | 2,069,673 | 14.4\% |
| San Jose, CA |  | 31,120 | 844,729 | 3.7\% |
| Seattle, WA |  | 163,830 | 1,690,490 | 9.7\% |
| St. Louis,, MO-IL |  | 57,810 | 1,316,191 | 4.4\% |


| Tampa-St. Petersburg, FL | 30,450 | $1,231,174$ | $2.5 \%$ |
| :--- | ---: | ---: | ---: |
| Virginia Beach-Norfolk, VA-NC | Norfolk | 24,305 | 834,719 |
| Washington, DC-VA-MD-WV | 379,215 | $2,892,018$ | $13.9 \%$ |
|  |  |  | $8.4 \%$ |
| Overall Average | $6,574,585$ | $78,471,527$ | $6.9 \%$ |
| Unweighted Average of Major Metropolitan Areas |  | $6.5 \%$ |  |

## NOTES

Central business district (CBD) is the CBD of the historical core municipality (http://www.demographia.com/db-hcm.pdf) Atlanta: Includes Midtown, excludes Georgia Tech
Austin: Excludes University of Texas
Source: Analysis of high density employment census tracts from 2006-2010 ACS/AASHTO CTPP data

Table 3

## Central Business Districts (Downtowns): Transit Commuting Share to Jobs

American Community Survey 2006-2010

|  |  |  |  |
| :--- | ---: | ---: | ---: |
|  | CBD Transit |  |  |
| Metropolitan Area | Commuters | CBD | Employment | Transit Market Share


| Tampa-St. Petersburg, FL | 945 | 30,450 | $3.1 \%$ |
| :--- | ---: | ---: | ---: |
| Virginia Beach-Norfolk, VA-NC | Norfolk | 770 | 24,305 |
| Washington, DC-VA-MD-WV | 178,500 | 379,215 | $4.2 \%$ |
| Overall Average | $2,769,832$ | $6,574,585$ | $42.1 \%$ |
| Unweighted Average of Major Metropolitan Areas |  |  | $15.4 \%$ |
| Median of Major Metropolitan Areas | $4,102,898$ | $132,680,450$ | $9.8 \%$ |
| Employment Outside CBDs | $6,872,730$ | $139,255,035$ | $3.1 \%$ |
| Total Employment |  | $4.9 \%$ |  |

Table 4
Central Business Districts (Downtowns): CBD as a Share of Metropolitan Transit Commuting
American Community Survey 2006-2010

| Metropolitan Area | CBD (If not first named municipality) | CBD Transit Commuters | MMSA Transit Commuters | CBD Share of MMSA Transit Commuting |
| :---: | :---: | :---: | :---: | :---: |
| Atlanta, GA |  | 24,525 | 81,748 | 30.0\% |
| Austin, TX |  | 3,665 | 21,507 | 17.0\% |
| Baltimore, MD |  | 16,235 | 82,747 | 19.6\% |
| Birmingham, AL |  | 425 | 3,563 | 11.9\% |
| Boston, MA-NH |  | 126,735 | 270,130 | 46.9\% |
| Buffalo, NY |  | 3,790 | 19,070 | 19.9\% |
| Charlotte, NC-SC |  | 5,520 | 17,080 | 32.3\% |
| Chicago, IL-IN-WI |  | 287,245 | 500,650 | 57.4\% |
| Cincinnati, OH-KY-IN |  | 8,570 | 24,441 | 35.1\% |
| Cleveland, OH |  | 12,865 | 37,311 | 34.5\% |
| Columbus, OH |  | 3,860 | 14,454 | 26.7\% |
| Dallas-Fort Worth, TX |  | 9,785 | 46,020 | 21.3\% |
| Denver, CO |  | 23,660 | 58,009 | 40.8\% |
| Detroit, MI |  | 5,285 | 27,611 | 19.1\% |
| Grand Rapids, MI |  | 435 | 5,148 | 8.4\% |
| Hartford, CT |  | 5,085 | 16,246 | 31.3\% |
| Houston, TX |  | 22,285 | 68,083 | 32.7\% |
| Indianapolis. IN |  | 1,930 | 8,902 | 21.7\% |
| Jacksonville, FL |  | 1,025 | 7,051 | 14.5\% |
| Kansas City, MO-KS |  | 2,735 | 12,474 | 21.9\% |
| Las Vegas, NV |  | 1,365 | 32,611 | 4.2\% |
| Los Angeles, CA |  | 30,709 | 353,665 | 8.7\% |
| Louisville, KY-IN |  | 3,510 | 12,704 | 27.6\% |
| Memphis, TN-MS-AR |  | 685 | 7,718 | 8.9\% |
| Miami, FL |  | 9,049 | 92,112 | 9.8\% |
| Milwaukee,WI |  | 5,969 | 27,392 | 21.8\% |
| Minneapolis-St. Paul, MN-WI |  | 31,320 | 78,011 | 40.1\% |
| Nashville, TN |  | 1,810 | 7,674 | 23.6\% |
| New Orleans. LA |  | 3,295 | 12,762 | 25.8\% |
| New York, NY-NJ-PA |  | 1,517,749 | 2,657,572 | 57.1\% |
| Oklahoma City, OK |  | 95 | 2,956 | 3.2\% |
| Orlando, FL |  | 1,719 | 16,874 | 10.2\% |
| Philadelphia, PA-NJ-DE-MD |  | 105,869 | 257,081 | 41.2\% |
| Phoenix, AZ |  | 3,100 | 40,406 | 7.7\% |
| Pittsburgh, PA |  | 29,920 | 63,165 | 47.4\% |
| Portland, OR-WA |  | 22,970 | 64,416 | 35.7\% |
| Providence, RI-MA |  | 2,440 | 20,163 | 12.1\% |
| Raleigh, NC |  | 575 | 4,804 | 12.0\% |
| Richmond, VA |  | 3,720 | 10,026 | 37.1\% |
| Riverside-San Bernardino, CA | San Bernardino | 280 | 26,300 | 1.1\% |
| Rochester, NY |  | 1,310 | 10,921 | 12.0\% |
| Sacramento, CA |  | 9,850 | 24,943 | 39.5\% |
| Salt Lake City, UT |  | 5,360 | 17,049 | 31.4\% |
| San Antonio, TX |  | 3,670 | 20,772 | 17.7\% |
| San Diego, CA |  | 7,180 | 46,951 | 15.3\% |
| San Francisco-Oakland, CA |  | 150,724 | 301,400 | 50.0\% |
| San Jose, CA |  | 2,610 | 27,717 | 9.4\% |
| Seattle, WA |  | 60,604 | 138,600 | 43.7\% |
| St. Louis,, MO-IL |  | 6,500 | 34,107 | 19.1\% |


| Tampa-St. Petersburg, FL | 945 | 17,033 | $5.5 \%$ |
| :--- | ---: | ---: | ---: |
| Virginia Beach-Norfolk, VA-NC | Norfolk | 770 | 14,460 |
| Washington, DC-VA-MD-WV | 178,500 | 399,500 | $4.3 \%$ |
|  |  | $4.7 \%$ |  |
| Overall Average | $2,769,832$ | $6,164,110$ | $44.9 \%$ |
| Unweighted Average of Major Metropolitan Areas |  | $24.5 \%$ |  |
| Median of Major Metropolitan Areas |  | $21.7 \%$ |  |

Table 5

## Metropolitan Area \& CBD Transit Commuting

American Community Survey 2006-2010

|  | MMSA Transit |  |  | Outside CBD Transit |
| :---: | :---: | :---: | :---: | :---: |
| Metropolitan Area | CBD (If not first named municipality) | Share | CBD Transit Share | Share |
| Atlanta, GA |  | 3.4\% | 14.2\% | 2.5\% |
| Austin, TX |  | 2.6\% | 5.1\% | 2.3\% |
| Baltimore, MD |  | 6.3\% | 17.7\% | 5.4\% |
| Birmingham, AL |  | 0.7\% | 1.3\% | 0.7\% |
| Boston, MA-NH |  | 11.8\% | 52.2\% | 7.0\% |
| Buffalo, NY |  | 3.7\% | 11.5\% | 3.1\% |
| Charlotte, NC-SC |  | 1.7\% | 8.8\% | 1.2\% |
| Chicago, IL-IN-WI |  | 11.4\% | 57.4\% | 5.5\% |
| Cincinnati, OH-KY-IN |  | 2.5\% | 13.3\% | 1.7\% |
| Cleveland, OH |  | 3.9\% | 15.1\% | 2.8\% |
| Columbus, OH |  | 1.6\% | 4.9\% | 1.3\% |
| Dallas-Fort Worth, TX |  | 1.6\% | 14.0\% | 1.2\% |
| Denver, CO |  | 4.6\% | 19.8\% | 3.0\% |
| Detroit, MI |  | 1.5\% | 7.5\% | 1.3\% |
| Grand Rapids, MI |  | 1.1\% | 1.7\% | 1.1\% |
| Hartford, CT |  | 2.8\% | 8.1\% | 2.1\% |
| Houston, TX |  | 2.6\% | 13.1\% | 1.8\% |
| Indianapolis. IN |  | 1.0\% | 2.6\% | 0.9\% |
| Jacksonville, FL |  | 1.1\% | 2.3\% | 1.0\% |
| Kansas City, MO-KS |  | 1.3\% | 7.0\% | 1.0\% |
| Las Vegas, NV |  | 3.6\% | 5.6\% | 3.6\% |
| Los Angeles, CA |  | 6.1\% | 22.5\% | 5.7\% |
| Louisville, KY-IN |  | 2.1\% | 6.5\% | 1.7\% |
| Memphis, TN-MS-AR |  | 1.3\% | 3.5\% | 1.3\% |
| Miami, FL |  | 3.7\% | 9.4\% | 3.5\% |
| Milwaukee,WI |  | 3.7\% | 11.1\% | 3.1\% |
| Minneapolis-St. Paul, MN-WI |  | 4.5\% | 31.5\% | 2.9\% |
| Nashville, TN |  | 1.0\% | 3.6\% | 0.8\% |
| New Orleans. LA |  | 2.5\% | 6.7\% | 2.1\% |
| New York, NY-NJ-PA |  | 29.6\% | 76.6\% | 16.3\% |
| Oklahoma City, OK |  | 0.5\% | 0.9\% | 0.5\% |
| Orlando, FL |  | 1.7\% | 2.9\% | 1.6\% |
| Philadelphia, PA-NJ-DE-MD |  | 9.3\% | 44.2\% | 6.0\% |
| Phoenix, AZ |  | 2.2\% | 11.8\% | 2.1\% |
| Pittsburgh, PA |  | 5.8\% | 32.5\% | 3.3\% |
| Portland, OR-WA |  | 6.2\% | 27.0\% | 4.3\% |
| Providence, RI-MA |  | 2.6\% | 10.5\% | 2.4\% |
| Raleigh, NC |  | 0.9\% | 1.8\% | 0.8\% |
| Richmond, VA |  | 2.0\% | 6.5\% | 1.4\% |
| Riverside-San Bernardino, CA | San Bernardino | 1.6\% | 1.8\% | 1.6\% |
| Rochester, NY |  | 1.9\% | 4.9\% | 1.8\% |
| Sacramento, CA |  | 2.7\% | 13.0\% | 1.8\% |
| Salt Lake City, UT |  | 3.3\% | 12.2\% | 2.5\% |
| San Antonio, TX |  | 2.2\% | 6.4\% | 2.0\% |
| San Diego, CA |  | 3.3\% | 10.2\% | 2.9\% |
| San Francisco-Oakland, CA |  | 14.6\% | 50.7\% | 8.5\% |
| San Jose, CA |  | 3.3\% | 8.4\% | 3.1\% |
| Seattle, WA |  | 8.2\% | 37.0\% | 5.1\% |
| St. Louis,, MO-IL |  | 2.6\% | 11.2\% | 2.2\% |


| Tampa-St. Petersburg, FL | 1.4\% | 3.1\% | 1.3\% |
| :---: | :---: | :---: | :---: |
| Virginia Beach-Norfolk, VA-NC Norfolk | 1.7\% | 3.2\% | 1.7\% |
| Washington, DC-VA-MD-WV | 13.8\% | 47.1\% | 8.8\% |
| Overall Average | 7.9\% | 42.1\% | 4.7\% |
| Unweighted Average of Major Metropolitan Areas | 4.2\% | 15.4\% | 3.0\% |
| Median of Major Metropolitan Areas | 2.6\% | 9.8\% | 2.1\% |

Table 6

## Central Business Districts (Downtowns): Employment Ranked

American Community Survey 2006-2010

|  |  |  | MMSA |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Rank | Metropolitan Area | CBD (If not first named municipality) | CBD Employment | Employment | CBD Share |
| 1 | New York, NY-NJ-PA |  | 1,981,305 | 8,983,981 | 22.1\% |
| 2 | San Francisco-Oakland, CA |  | 297,420 | 2,069,673 | 14.4\% |
| 3 | Washington, DC-VA-MD-WV |  | 379,215 | 2,892,018 | 13.1\% |
| 4 | Richmond, VA |  | 56,815 | 498,175 | 11.4\% |
| 5 | Chicago, IL-IN-WI |  | 500,450 | 4,407,655 | 11.4\% |
| 6 | Boston, MA-NH |  | 242,900 | 2,279,803 | 10.7\% |
| 7 | Hartford, CT |  | 62,520 | 589,357 | 10.6\% |
| 8 | Seattle, WA |  | 163,830 | 1,690,490 | 9.7\% |
| 9 | New Orleans. LA |  | 49,250 | 510,454 | 9.6\% |
| 10 | Denver, CO |  | 119,565 | 1,252,889 | 9.5\% |
| 11 | Louisville, KY-IN |  | 54,245 | 591,742 | 9.2\% |
| 12 | Cleveland, OH |  | 85,235 | 958,330 | 8.9\% |
| 13 | Columbus, OH |  | 78,875 | 897,380 | 8.8\% |
| 14 | Philadelphia, PA-NJ-DE-MD |  | 239,625 | 2,758,126 | 8.7\% |
| 15 | Austin, TX |  | 71,605 | 835,052 | 8.6\% |
| 16 | Salt Lake City, UT |  | 44,015 | 514,702 | 8.6\% |
| 17 | Pittsburgh, PA |  | 92,010 | 1,096,780 | 8.4\% |
| 18 | Indianapolis. IN |  | 73,140 | 877,076 | 8.3\% |
| 19 | Sacramento, CA |  | 75,970 | 929,984 | 8.2\% |
| 20 | Portland, OR-WA |  | 85,195 | 1,043,671 | 8.2\% |
| 21 | Milwaukee,WI |  | 54,010 | 749,094 | 7.2\% |
| 22 | Atlanta, GA |  | 172,975 | 2,434,641 | 7.1\% |
| 23 | Jacksonville, FL |  | 44,035 | 621,153 | 7.1\% |
| 24 | Baltimore, MD |  | 91,600 | 1,320,217 | 6.9\% |
| 25 | Cincinnati, OH-KY-IN |  | 64,660 | 991,623 | 6.5\% |
| 26 | Nashville, TN |  | 50,490 | 776,796 | 6.5\% |
| 27 | Birmingham, AL |  | 32,225 | 499,403 | 6.5\% |
| 28 | Houston, TX |  | 169,495 | 2,645,276 | 6.4\% |
| 29 | Buffalo, NY |  | 32,890 | 518,632 | 6.3\% |
| 30 | Charlotte, NC-SC |  | 62,915 | 1,006,814 | 6.2\% |
| 31 | Raleigh, NC |  | 32,830 | 530,723 | 6.2\% |
| 32 | San Antonio, TX |  | 57,015 | 928,004 | 6.1\% |
| 33 | Orlando, FL |  | 59,025 | 988,437 | 6.0\% |
| 34 | Minneapolis-St. Paul, MN-WI |  | 99,315 | 1,718,389 | 5.8\% |
| 35 | Grand Rapids, MI |  | 25,240 | 456,730 | 5.5\% |
| 36 | San Diego, CA |  | 70,285 | 1,420,901 | 4.9\% |
| 37 | Rochester, NY |  | 26,560 | 569,488 | 4.7\% |
| 38 | St. Louis,, MO-IL |  | 57,810 | 1,316,191 | 4.4\% |
| 39 | Kansas City, MO-KS |  | 39,090 | 970,244 | 4.0\% |
| 40 | Miami, FL |  | 96,760 | 2,504,316 | 3.9\% |
| 41 | Detroit, Ml |  | 70,655 | 1,840,867 | 3.8\% |
| 42 | San Jose, CA |  | 31,120 | 844,729 | 3.7\% |
| 43 | Memphis, TN-MS-AR |  | 19,455 | 579,235 | 3.4\% |
| 44 | Providence, RI-MA |  | 23,305 | 764,373 | 3.0\% |
| 45 | Virginia Beach-Norfolk, VA-NC | Norfolk | 24,305 | 834,719 | 2.9\% |
| 46 | Las Vegas, NV |  | 24,350 | 894,892 | 2.7\% |
| 47 | Tampa-St. Petersburg, FL |  | 30,450 | 1,231,174 | 2.5\% |
| 48 | Los Angeles, CA |  | 136,585 | 5,810,839 | 2.4\% |
| 49 | Dallas-Fort Worth, TX |  | 69,710 | 2,968,972 | 2.3\% |
| 50 | Oklahoma City, OK |  | 10,040 | 579,514 | 1.7\% |
| 51 | Phoenix, AZ |  | 26,225 | 1,827,419 | 1.4\% |
| 52 | Riverside-San Bernardino, CA | San Bernardino | 15,975 | 1,650,384 | 1.0\% |

Table 7
Central Business Districts (Downtowns): Transit Commuting Share to Jobs: Ranked
American Community Survey 2006-2010

|  |  |  |  |  |
| :---: | :--- | ---: | ---: | ---: |
| Rank | Transit |  |  |  |
| 1 | Metropolitan Area | CBD (If not first named municipality) | Commuters | CBD Employment | Transit Market Share

Table 8

## Central Business Districts (Downtowns): CBD as a Share of Metropolitan Transit Commuting: Ranked

 American Community Survey 2006-2010| Rank | Metropolitan Area | CBD (If not first named municipality) | CBD Transit Commuters | MMSA Transit Commuters | CBD Share of MMSA Transit Commuting |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Chicago, IL-IN-WI |  | 287,245 | 500,650 | 57.4\% |
| 2 | New York, NY-NJ-PA |  | 1,517,749 | 2,657,572 | 57.1\% |
| 3 | San Francisco-Oakland, CA |  | 150,724 | 301,400 | 50.0\% |
| 4 | Pittsburgh, PA |  | 29,920 | 63,165 | 47.4\% |
| 5 | Boston, MA-NH |  | 126,735 | 270,130 | 46.9\% |
| 6 | Washington, DC-VA-MD-WV |  | 178,500 | 399,500 | 44.7\% |
| 7 | Seattle, WA |  | 60,604 | 138,600 | 43.7\% |
| 8 | Philadelphia, PA-NJ-DE-MD |  | 105,869 | 257,081 | 41.2\% |
| 9 | Denver, CO |  | 23,660 | 58,009 | 40.8\% |
| 10 | Minneapolis-St. Paul, MN-WI |  | 31,320 | 78,011 | 40.1\% |
| 11 | Sacramento, CA |  | 9,850 | 24,943 | 39.5\% |
| 12 | Richmond, VA |  | 3,720 | 10,026 | 37.1\% |
| 13 | Portland, OR-WA |  | 22,970 | 64,416 | 35.7\% |
| 14 | Cincinnati, OH-KY-IN |  | 8,570 | 24,441 | 35.1\% |
| 15 | Cleveland, OH |  | 12,865 | 37,311 | 34.5\% |
| 16 | Houston, TX |  | 22,285 | 68,083 | 32.7\% |
| 17 | Charlotte, NC-SC |  | 5,520 | 17,080 | 32.3\% |
| 18 | Salt Lake City, UT |  | 5,360 | 17,049 | 31.4\% |
| 19 | Hartford, CT |  | 5,085 | 16,246 | 31.3\% |
| 20 | Atlanta, GA |  | 24,525 | 81,748 | 30.0\% |
| 21 | Louisville, KY-IN |  | 3,510 | 12,704 | 27.6\% |
| 22 | Columbus, OH |  | 3,860 | 14,454 | 26.7\% |
| 23 | New Orleans. LA |  | 3,295 | 12,762 | 25.8\% |
| 24 | Nashville, TN |  | 1,810 | 7,674 | 23.6\% |
| 25 | Kansas City, MO-KS |  | 2,735 | 12,474 | 21.9\% |
| 26 | Milwaukee,WI |  | 5,969 | 27,392 | 21.8\% |
| 27 | Indianapolis. IN |  | 1,930 | 8,902 | 21.7\% |
| 28 | Dallas-Fort Worth, TX |  | 9,785 | 46,020 | 21.3\% |
| 29 | Buffalo, NY |  | 3,790 | 19,070 | 19.9\% |
| 30 | Baltimore, MD |  | 16,235 | 82,747 | 19.6\% |
| 31 | Detroit, MI |  | 5,285 | 27,611 | 19.1\% |
| 32 | St. Louis,, MO-IL |  | 6,500 | 34,107 | 19.1\% |
| 33 | San Antonio, TX |  | 3,670 | 20,772 | 17.7\% |
| 34 | Austin, TX |  | 3,665 | 21,507 | 17.0\% |
| 35 | San Diego, CA |  | 7,180 | 46,951 | 15.3\% |
| 36 | Jacksonville, FL |  | 1,025 | 7,051 | 14.5\% |
| 37 | Providence, RI-MA |  | 2,440 | 20,163 | 12.1\% |
| 38 | Rochester, NY |  | 1,310 | 10,921 | 12.0\% |
| 39 | Raleigh, NC |  | 575 | 4,804 | 12.0\% |
| 40 | Birmingham, AL |  | 425 | 3,563 | 11.9\% |
| 41 | Orlando, FL |  | 1,719 | 16,874 | 10.2\% |
| 42 | Miami, FL |  | 9,049 | 92,112 | 9.8\% |
| 43 | San Jose, CA |  | 2,610 | 27,717 | 9.4\% |
| 44 | Memphis, TN-MS-AR |  | 685 | 7,718 | 8.9\% |
| 45 | Los Angeles, CA |  | 30,709 | 353,665 | 8.7\% |
| 46 | Grand Rapids, MI |  | 435 | 5,148 | 8.4\% |
| 47 | Phoenix, AZ |  | 3,100 | 40,406 | 7.7\% |
| 48 | Tampa-St. Petersburg, FL |  | 945 | 17,033 | 5.5\% |
| 49 | Virginia Beach-Norfolk, VA-NC | Norfolk | 770 | 14,460 | 5.3\% |
| 50 | Las Vegas, NV |  | 1,365 | 32,611 | 4.2\% |
| 51 | Oklahoma City, OK |  | 95 | 2,956 | 3.2\% |
| 52 | Riverside-San Bernardino, CA | San Bernardino | 280 | 26,300 | 1.1\% |

Table 9
Metropolitan Area \& CBD Transit Commuting: Ranked
American Community Survey 2006-2010

| Rank |  | CBD (If not first named municipality) | MMSA Transit |  | Outside CBD Transit |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Metropolitan Area |  | Share | CBD Transit Share | Share |
| 1 | New York, NY-NJ-PA |  | 29.6\% | 76.6\% | 16.3\% |
| 2 | San Francisco-Oakland, CA |  | 14.6\% | 50.7\% | 8.5\% |
| 3 | Washington, DC-VA-MD-WV |  | 13.8\% | 47.1\% | 8.8\% |
| 4 | Boston, MA-NH |  | 11.8\% | 52.2\% | 7.0\% |
| 5 | Chicago, IL-IN-WI |  | 11.4\% | 57.4\% | 5.5\% |
| 6 | Philadelphia, PA-NJ-DE-MD |  | 9.3\% | 44.2\% | 6.0\% |
| 7 | Seattle, WA |  | 8.2\% | 37.0\% | 5.1\% |
| 8 | Baltimore, MD |  | 6.3\% | 17.7\% | 5.4\% |
| 9 | Portland, OR-WA |  | 6.2\% | 27.0\% | 4.3\% |
| 10 | Los Angeles, CA |  | 6.1\% | 22.5\% | 5.7\% |
| 11 | Pittsburgh, PA |  | 5.8\% | 32.5\% | 3.3\% |
| 12 | Denver, CO |  | 4.6\% | 19.8\% | 3.0\% |
| 13 | Minneapolis-St. Paul, MN-WI |  | 4.5\% | 31.5\% | 2.9\% |
| 14 | Cleveland, OH |  | 3.9\% | 15.1\% | 2.8\% |
| 15 | Miami, FL |  | 3.7\% | 9.4\% | 3.5\% |
| 16 | Buffalo, NY |  | 3.7\% | 11.5\% | 3.1\% |
| 17 | Milwaukee,WI |  | 3.7\% | 11.1\% | 3.1\% |
| 18 | Las Vegas, NV |  | 3.6\% | 5.6\% | 3.6\% |
| 19 | Atlanta, GA |  | 3.4\% | 14.2\% | 2.5\% |
| 20 | Salt Lake City, UT |  | 3.3\% | 12.2\% | 2.5\% |
| 21 | San Diego, CA |  | 3.3\% | 10.2\% | 2.9\% |
| 22 | San Jose, CA |  | 3.3\% | 8.4\% | 3.1\% |
| 23 | Hartford, CT |  | 2.8\% | 8.1\% | 2.1\% |
| 24 | Sacramento, CA |  | 2.7\% | 13.0\% | 1.8\% |
| 25 | Providence, RI-MA |  | 2.6\% | 10.5\% | 2.4\% |
| 26 | St. Louis,, MO-IL |  | 2.6\% | 11.2\% | 2.2\% |
| 27 | Austin, TX |  | 2.6\% | 5.1\% | 2.3\% |
| 28 | Houston, TX |  | 2.6\% | 13.1\% | 1.8\% |
| 29 | New Orleans. LA |  | 2.5\% | 6.7\% | 2.1\% |
| 30 | Cincinnati, OH-KY-IN |  | 2.5\% | 13.3\% | 1.7\% |
| 31 | San Antonio, TX |  | 2.2\% | 6.4\% | 2.0\% |
| 32 | Phoenix, AZ |  | 2.2\% | 11.8\% | 2.1\% |
| 33 | Louisville, KY-IN |  | 2.1\% | 6.5\% | 1.7\% |
| 34 | Richmond, VA |  | 2.0\% | 6.5\% | 1.4\% |
| 35 | Rochester, NY |  | 1.9\% | 4.9\% | 1.8\% |
| 36 | Virginia Beach-Norfolk, VA-NC | Norfolk | 1.7\% | 3.2\% | 1.7\% |
| 37 | Orlando, FL |  | 1.7\% | 2.9\% | 1.6\% |
| 38 | Charlotte, NC-SC |  | 1.7\% | 8.8\% | 1.2\% |
| 39 | Columbus, OH |  | 1.6\% | 4.9\% | 1.3\% |
| 40 | Riverside-San Bernardino, CA | San Bernardino | 1.6\% | 1.8\% | 1.6\% |
| 41 | Dallas-Fort Worth, TX |  | 1.6\% | 14.0\% | 1.2\% |
| 42 | Detroit, MI |  | 1.5\% | 7.5\% | 1.3\% |
| 43 | Tampa-St. Petersburg, FL |  | 1.4\% | 3.1\% | 1.3\% |
| 44 | Memphis, TN-MS-AR |  | 1.3\% | 3.5\% | 1.3\% |
| 45 | Kansas City, MO-KS |  | 1.3\% | 7.0\% | 1.0\% |
| 46 | Jacksonville, FL |  | 1.1\% | 2.3\% | 1.0\% |
| 47 | Grand Rapids, MI |  | 1.1\% | 1.7\% | 1.1\% |
| 48 | Indianapolis. IN |  | 1.0\% | 2.6\% | 0.9\% |
| 49 | Nashville, TN |  | 1.0\% | 3.6\% | 0.8\% |
| 50 | Raleigh, NC |  | 0.9\% | 1.8\% | 0.8\% |
| 51 | Birmingham, AL |  | 0.7\% | 1.3\% | 0.7\% |
| 52 | Oklahoma City, OK |  | 0.5\% | 0.9\% | 0.5\% |

Table 10
Central Business Districts (Downtowns): Ranked by Number of Jobs
American Community Survey 2006-2010

|  |  |  | CBD | Transit Market |
| :---: | :--- | ---: | ---: | ---: |
| Rank | Metropolitan Area | CBD (If not first named municipality) | Transit Commuters | Employment | Share

Table 11
Central Business Districts (Downtowns): Ranked by Number of Transit Commuters
American Community Survey 2006-2010

|  |  |  | CBD | Transit Market |
| :---: | :--- | ---: | ---: | ---: |
| Rank | Metropolitan Area | CBD (If not first named municipality) | Transit Commuters | Employment | Share

Table 12
Selected Additional Employment Centers \& Corridors: Summary For Exhibit Purposes Only
American Community Survey 2006-2010

| Transit |
| :--- | ---: | ---: | ---: | ---: | | Transit Market |
| ---: |
| Share |

Table 13
Selected Additional Employment Centers \& Corridors

| Metropolitan Area | Center | Center/Corridor Employment | Transit Commuting | Transit Market Share |
| :---: | :---: | :---: | :---: | :---: |
| Secondary Pre-World War II Downtowns (Engulfed by Metropolitan Growth) |  |  |  |  |
| Dallas-Fort Worth | Fort Worth | 38,900 | 815 | 2.1\% |
| Minneapolis-St. Paul | St. Paul | 48,630 | 4,675 | 9.6\% |
| Los Angeles | Long Beach | 30,050 | 1,479 | 4.9\% |
| Los Angeles | Santa Monica | 21,075 | 2,365 | 11.2\% |
| New York | Brooklyn | 52,555 | 31,600 | 60.1\% |
| New York | Newark | 48,840 | 12,450 | 25.5\% |
| San Francisco-Oakland | Oakland | 60,315 | 16,023 | 26.6\% |
| Seattle | Tacoma | 32,430 | 1,525 | 4.7\% |
| Post World War II Centers with Pre-War CBD Form (Sidewalk Oriented Building Construction) |  |  |  |  |
| New York | Jersey City Waterfront | 44,925 | 23,325 | 51.9\% |
| Seattle | Bellevue | 29,960 | 3,630 | 12.1\% |
| St. Louis | Clayton | 26,615 | 729 | 2.7\% |
| Washington | Rosslyn | 26,300 | 8,020 | 30.5\% |
| Other Employment Centers and Corridors |  |  |  |  |
| Atlanta | Atlanta Airport Area | 84,335 | 3,740 | 4.4\% |
| Atlanta | Buckhead | 45,660 | 5,659 | 12.4\% |
| Atlanta | Cumberland Mall | 32,610 | 1,842 | 5.6\% |
| Atlanta | Fulton Industrial \& I-285 Corridor | 74,945 | 2,004 | 2.7\% |
| Atlanta | Georgia Tech | 18,410 | 1,190 | 6.5\% |
| Atlanta | I-85 Southwest Corridor | 14,780 | 390 | 2.6\% |
| Atlanta | Marrietta Blvd Corridor Atlanta | 21,885 | 1,395 | 6.4\% |
| Atlanta | Perimeter Center | 57,490 | 4,869 | 8.5\% |
| Austin | US-183 Corridor North | 106,055 | 1,849 | 1.7\% |
| Austin | University of Texas | 32,380 | 5,225 | 16.1\% |
| Chicago | O'Hare Airport \& Elk Grove Village | 211,240 | 9,662 | 4.6\% |
| Chicago | Schaumberg | 39,780 | 1,005 | 2.5\% |
| Dallas-Fort Worth | Dallas North Tollway | 99,770 | 1,230 | 1.2\% |
| Dallas-Fort Worth | DFW Airport to Arlington Corridor | 135,215 | 855 | 0.6\% |
| Dallas-Fort Worth | Las Colinas-Irving Corridor | 43,530 | 158 | 0.4\% |
| Dallas-Fort Worth | Love Field \& I-35 North Corridor | 205,510 | 4,495 | 2.2\% |
| Dallas-Fort Worth | US-75 Corridor | 171,805 | 3,646 | 2.1\% |
| Denver | Tech Center | 93,385 | 2,069 | 2.2\% |
| Detroit | Southfield | 41,160 | 275 | 0.7\% |
| Detroit | Troy | 41,135 | 250 | 0.6\% |
| Houston | Buffalo Bayou (Port of Houston) | 99,535 | 385 | 0.4\% |
| Houston | Energy Corridor (l-10 West) | 63,580 | 440 | 0.7\% |
| Houston | Greenway | 23,960 | 940 | 3.9\% |
| Houston | Texas Medical Center | 117,085 | 8,950 | 7.6\% |
| Houston | Uptown (Galleria) | 39,550 | 1,319 | 3.3\% |
| Kansas City | I-35 South Corridor (Lenexa) | 96,320 | 210 | 0.2\% |
| Kansas City | Overland Park | 70,130 | 175 | 0.2\% |
| Las Vegas | Las Vegas Strip | 145,320 | 6,485 | 4.5\% |
| Los Angeles | Anaheim-Orange | 118,455 | 4,335 | 3.7\% |
| Los Angeles | Burbank Airport-Van Nuys Airport Corridor | 103,555 | 8,184 | 7.9\% |
| Los Angeles | Burbank-Glendale l-5 Corridor | 53,445 | 3,014 | 5.6\% |
| Los Angeles | CA-91 Fullerton-Placentia Corridor | 83,815 | 2,620 | 3.1\% |
| Los Angeles | Central \& I-5 South Corridor | 215,550 | 24,991 | 11.6\% |
| Los Angeles | Century City | 33,615 | 2,310 | 6.9\% |
| Los Angeles | Chatsworth-West Valley Corridor | 69,845 | 4,770 | 6.8\% |
| Los Angeles | City of Industry | 82,560 | 1,715 | 2.1\% |
| Los Angeles | Downtown Glendale | 30,520 | 1,654 | 5.4\% |


| Los Angeles | Downtown Pasadena | 55,655 | 3,260 | 5.9\% |
| :---: | :---: | :---: | :---: | :---: |
| Los Angeles | I-110/l-405 Corridor (South Bay) Corridor | 203,465 | 7,559 | 3.7\% |
| Los Angeles | I-710 Corridor: Cudahy-Lakewood | 36,360 | 1,675 | 4.6\% |
| Los Angeles | Irwindale | 29,985 | 745 | 2.5\% |
| Los Angeles | La Habra-Brea | 38,425 | 1,015 | 2.6\% |
| Los Angeles | Lake Forest-El Toro-Irvine | 118,845 | 2,474 | 2.1\% |
| Los Angeles | Los Alamitos | 35,640 | 550 | 1.5\% |
| Los Angeles | Los Angeles Airport-El Segundo | 135,405 | 11,939 | 8.8\% |
| Los Angeles | North Hollywood Lankershim Corridor | 11,945 | 705 | 5.9\% |
| Los Angeles | San Dimas-La Verne | 25,455 | 575 | 2.3\% |
| Los Angeles | Santa Ana Downtown-Costa Mesa Corridor | 164,395 | 4,595 | 2.8\% |
| Los Angeles | Santa Ana-Fountain Valley Corridor | 41,555 | 2,475 | 6.0\% |
| Los Angeles | Santa Clarita l-5 Corridor | 50,685 | 2,144 | 4.2\% |
| Los Angeles | Santa Fe Springs-La Mirada-Buena Park Corridor | 93,590 | 1,943 | 2.1\% |
| Los Angeles | Universal City-Burbank Corridor | 48,275 | 2,050 | 4.2\% |
| Los Angeles | Ventura Blvd White Oak to Wilbur | 12,400 | 899 | 7.3\% |
| Los Angeles | Warner Center | 56,480 | 3,825 | 6.8\% |
| Memphis | Memphis Airport | 82,410 | 1,075 | 1.3\% |
| Miami | Miami Airport \& Adjacent Corridors | 155,590 | 3,209 | 2.1\% |
| Minneapolis-St. Paul | I-494 Corridor South | 201,820 | 5,515 | 2.7\% |
| New York | Farmingdale-Melville (LI) Corridor | 88,625 | 1,840 | 2.1\% |
| New York | 1-80 Corridor New Jersey | 117,955 | 2,945 | 2.5\% |
| New York | Kennedy Airport | 35,405 | 10,235 | 28.9\% |
| New York | LaGuardia Airport | 21,260 | 5,645 | 26.6\% |
| New York | Newark Airport \& Port Corridor | 68,850 | 8,845 | 12.8\% |
| New York | Secaucus | 32,240 | 5,475 | 17.0\% |
| New York | South Brunswick | 24,435 | 309 | 1.3\% |
| New York | Southwest Queens | 108,420 | 46,384 | 42.8\% |
| New York | White Plains Downtown | 36,835 | 6,150 | 16.7\% |
| Portland | Beaverton-Tigard-Sherwood Corridor | 100,260 | 3,453 | 3.4\% |
| Portland | Lloyd Center \& Inner East Side | 62,830 | 7,315 | 11.6\% |
| Portland | Portland Airport \& Columbia River South Corridor | 61,865 | 2,665 | 4.3\% |
| Portland | US-26 Corridor (Sunset Highway) | 45,520 | 1,735 | 3.8\% |
| Portland | Wilsonville | 17,455 | 275 | 1.6\% |
| Raleigh-Durham | Research Triangle | 53,690 | 255 | 0.5\% |
| Riverside-San Bernardino | Ontario Airport | 158,665 | 1,504 | 0.9\% |
| San Antonio | $\mathrm{I}-10$ West Corridor | 67,425 | 874 | 1.3\% |
| San Francisco-Oakland | Hayward | 43,365 | 1,270 | 2.9\% |
| San Francisco-Oakland | San Francisco Airport | 81,520 | 6,215 | 7.6\% |
| San Francisco-Oakland | Walnut Creek | 27,580 | 1,100 | 4.0\% |
| San Jose | Silicon Valley 101-880 | 374,340 | 10,994 | 2.9\% |
| St. Louis | St. Louis Airport Area | 62,905 | 843 | 1.3\% |
| St. Louis | Westport Plaza-Mid County Corridor | 63,880 | 935 | 1.5\% |
| Seattle | WA-167 Corridor (Renton-Auburn) | 132,800 | 4,539 | 3.4\% |
| Washington | Arlington-Ballston Corridor | 38,685 | 7,659 | 19.8\% |
| Washington | Dulles Airport Corridor | 172,635 | 2,605 | 1.5\% |
| Washington | Silver Spring | 22,310 | 5,130 | 23.0\% |
| Washington | Tyson's Corner | 58,225 | 2,109 | 3.6\% |

## Central Business Districts in Metropolitan Areas below 1,000,000 Population

| Albany | Downtown | 29,010 | 2,330 | $8.0 \%$ |
| :--- | :--- | ---: | ---: | ---: |
| Bakersfield | Downtown | 19,815 | 250 | $1.3 \%$ |
| Des Moines | Downtown | 50,575 | 1,950 | $3.9 \%$ |
| Fresno | Downtown | 11,355 | 225 | $2.0 \%$ |
| Honolulu | Downtown | 51,635 | 7,135 | $13.8 \%$ |
| Omaha | Downtown | 36,595 | 700 | $1.9 \%$ |
| Tucson | Downtown | 11,980 | 725 | $6.1 \%$ |
| Tulsa | Downtown | 28,785 | 515 | $1.8 \%$ |

