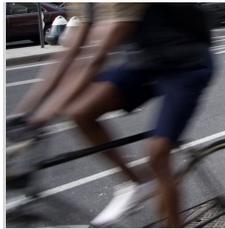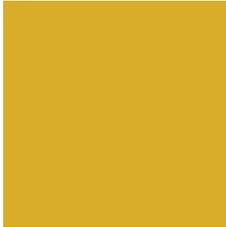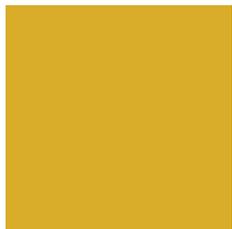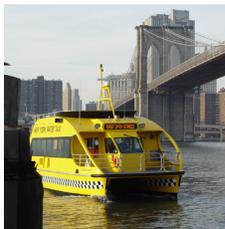**NYMTC**
NEW YORK METROPOLITAN
TRANSPORTATION COUNCIL

Regional Transportation Statistical Report

2016

- ▶ **Public Transit**
- ▶ **Motor Vehicle & River Crossings**
- ▶ **Commuting**
- ▶ **Safety**
- ▶ **Airports**
- ▶ **Socioeconomic & Demographic Data**

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REGIONAL TRANSPORTATION STATISTICAL REPORT 2016
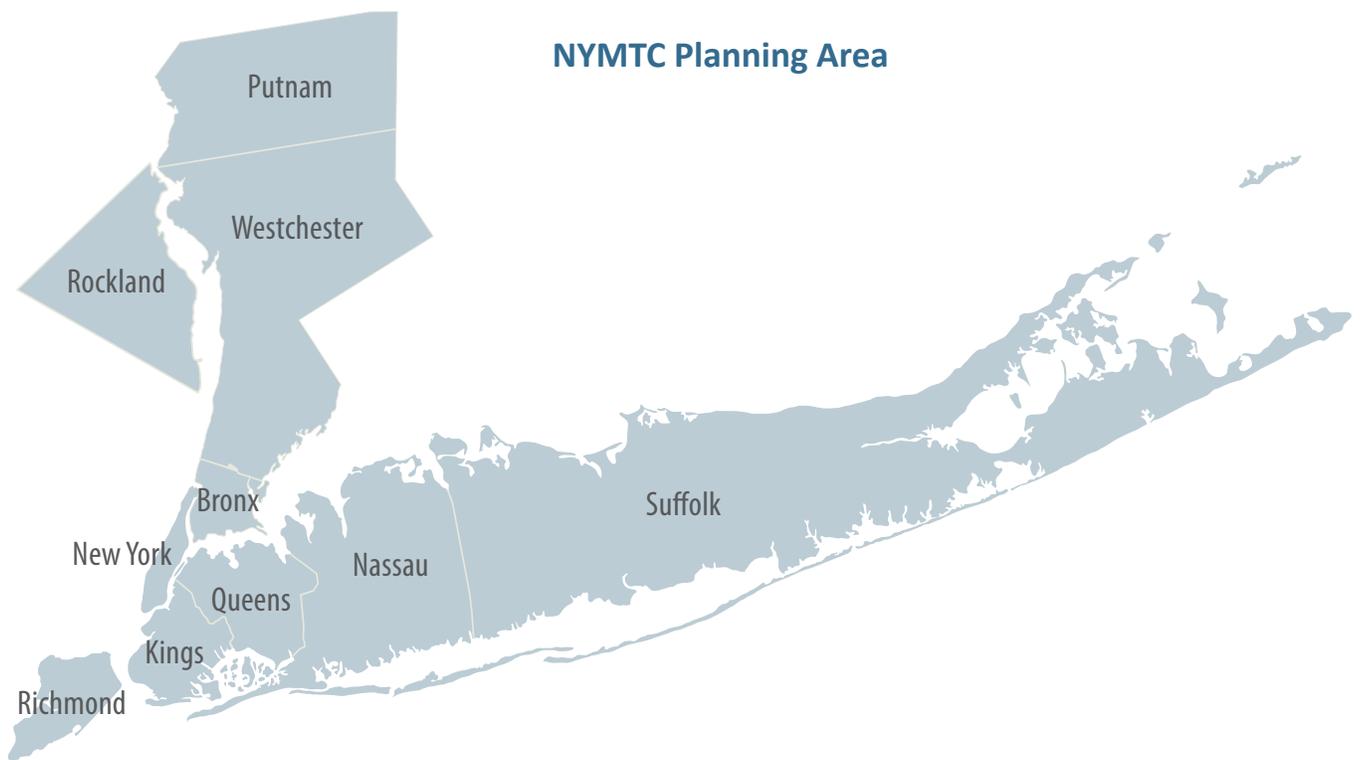**New York Metropolitan Transportation Council**
August 2019

Disclaimer:

About NYMTC:

The New York Metropolitan Transportation Council (NYMTC) is a regional council of governments that is the metropolitan planning organization for New York City, Long Island and the lower Hudson Valley. NYMTC provides a collaborative planning forum to address transportation-related issues, develop regional plans and make decisions on the use of federal transportation funds. The NYMTC planning area covers 2,440 square miles and includes a population of 12.4 million, which is approximately 64% of New York's population based on 2010 Census.

NYMTC Planning Area

Putnam

Westchester

Rockland

Bronx

New York

Nassau

Suffolk

Queens

Kings

Richmond

The New York Metropolitan Transportation Council (NYMTC) hereby gives public notice that it is the policy of the Council to assure full compliance with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, Executive Order 12898 on Environmental Justice, and related statutes and regulations in all programs and activities. Title VI requires, and it is our policy, that no person in the United States of America shall, on the grounds of race, color, national origin, sex, age, or disability, be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which NYMTC receives federal financial assistance.

Any person who believes they have been aggrieved by an unlawful discriminatory practice under Title VI has a right to file a formal complaint. Any such complaint must be filed in writing or in person with NYMTC's Title VI Officer within one hundred eighty (180) days from the date of the alleged discriminatory act or upon notice of the discriminatory act. Title VI discrimination complaint forms may be obtained from the NYMTC website: www.nymtc.org or by calling 212-383-7200.

If information is needed in another language, contact 212-383-7200.

Contents

Introduction

The New York Metropolitan Transportation Council (NYMTC) is a council of government agencies and transportation providers which serves as the federally designated Metropolitan Planning Organization (MPO) for New York City (NYC), Long Island, and the Lower Hudson Valley. NYMTC is comprised of nine voting members and seven advisory members who develop plans, goals and a shared vision for the region's transportation network. In fulfilling its role as an MPO, NYMTC provides a collaborative planning forum to address transportation related issues and develop regional plans. The decisions on the use of federal transportation funds are made by NYTMC to support the specified planning process under federal regulations for its planning area.

NYMTC's planning area covers 2,440 square miles and includes a population of 12.3 million, accounting for approximately 64% of New York State's population, based on the 2010 Census. To facilitate the metropolitan transportation planning process in its area, the Council has effectively generated annual monitoring of transportation and demographic trends in the region over the past three decades. The Regional Transportation Statistical Report (RTSR) is produced to support the planning process by generating data for 24 counties in the tri-state area, including:

> NYMTC provides a collaborative planning forum to address transportation issues

Regional Transportation Statistical Report Study Region
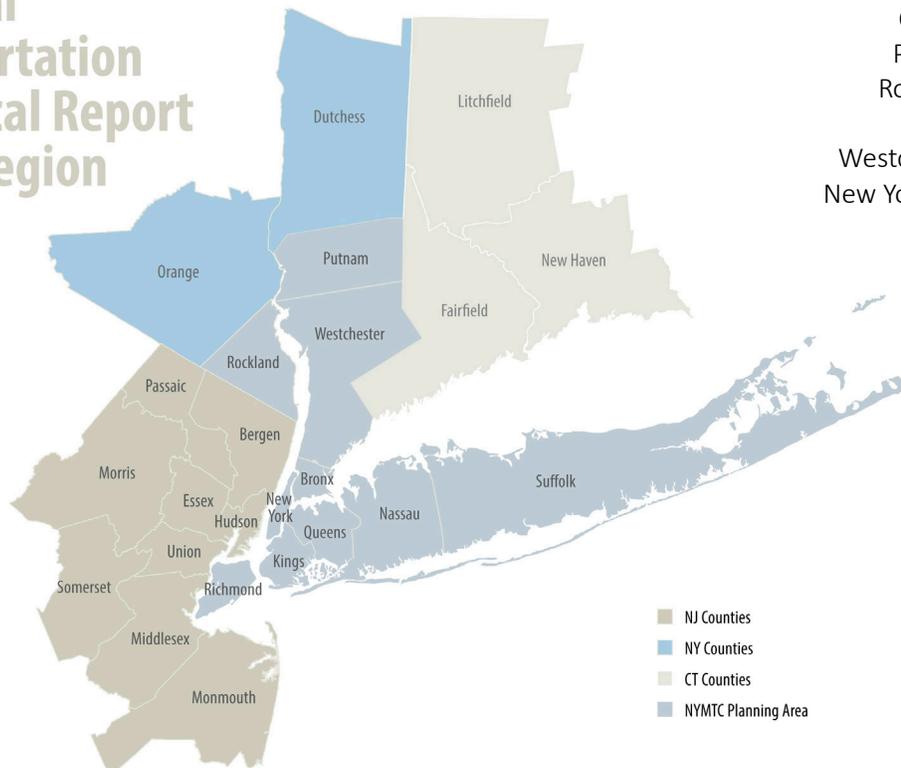
New York	New Jersey
Dutchess	Bergen
Nassau	Essex
Orange	Hudson
Putnam	Middlesex
Rockland	Monmouth
Suffolk	Morris
Westchester	Passaic
New York City	Summerset
	Union

Connecticut

Fairfield
Litchfield
New Haven

Legend:
- NJ Counties
- NY Counties
- CT Counties
- NYMTC Planning Area

Summary

Socioeconomic and demographic factors affect many aspects of transportation demand. Transportation mode choice is influenced by accessibility, employment and price level. In 2016, the data shows that gross domestic product (GDP) increased by 3.4 percent (Table F-8) and employment increased by 1.2 percent (Table F-1). Whereas population (Table F-5) and public transit trips (Table A-1) increased slightly (0.2 percent and 0.6 percent, respectively), the total number of vehicles crossing the major bridges and tunnels increased by 1.2 percent (Table B-5).

Gross domestic product grew by 3.4% and employment increased by 1.2%.

FIGURE 1. PERCENTAGE CHANGE FOR KEY STATISTICS IN STUDY REGION

GDP *	3.4%
Employment	1.2%
Population	0.2%
River Crossing **	1.2%
Public Transit	0.6%
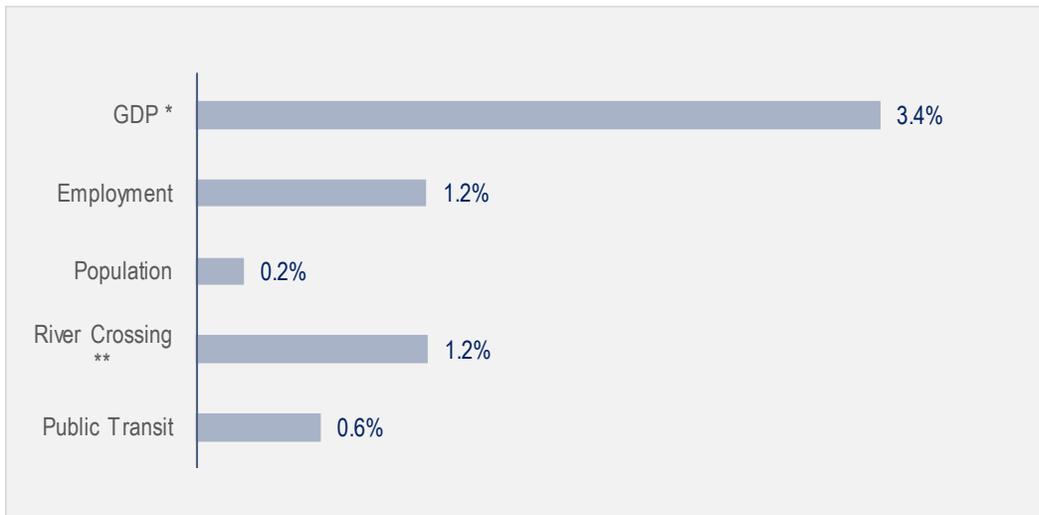
*   Gross Domestic Product
**   Vehicles crossing the major bridges and tunnels

Regional Goal

Mobility

NYMTC's Regional Transportation Plan aims to provide convenient, flexible transportation access within the region. NYMTC's members provide mobility and transportation options to maximize individuals' opportunities to participate in society, regardless of income level, residence, access to transit, age, or ability. NYMTC's members also provide for the efficient movement of freight to, from and through the region.

NYMTC strives to achieve the following outcomes:

- A sufficient array of transportation choices;
- Expanded connections, particularly across modes and between communities;
- Increased reliability for passenger and freight trips; and
- Increased transit ridership.

Safety

NYMTC's goal is to enhance the safety and security of the transportation system by working to reduce the rate and severity of transportation-related crashes in the region and make the transportation system safer for all users. NYMTC members also strive to increase the security of the transportation system and support emergency management response and recovery efforts.

NYMTC works collaboratively to achieve these outcomes:

- Reduce number of fatalities
- Reduce the rate of fatalities per 100 million vehicle miles traveled
- Reduce number of serious injuries
- Reduce rate of serious injuries per 100 million vehicles miles traveled
- Reduce number of non-motorized fatalities and non-motorized serious injuries

> NYMTC's members provide mobility and transportation options to maximize individuals' opportunities to participate in society, regardless of income level, residence, access to transit, age, or ability.

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Public Transportation

Public Transportation

"Access to transportation gives people mobility, choice and freedom to accomplish what is important to them. "

Unlinked Passenger Trips

The New York-New Jersey-Connecticut region is heavily transit-dependent, with a variety of public transportation systems operating in its different sectors. During 2016, transit services in the NY-NJ-CT region included rail rapid transit (subway), suburban rail, bus, and ferry. In this report, all the public transit agencies are categorized by mode and locations within the study region. These categories are:

NYC Bus: Metropolitan Transportation Authority (MTA) NYC Transit, MTA Bus Company.

NY Suburban Bus: Nassau Inter-County Express, City of Long Beach, Huntington Area Regional Transit, Suffolk County Department of Public Works, Westchester County Bee-line System, Transport of Rockland, Dutchess County Division of Transportation, Clarkston Mini-Trans, Putnam County Transit, Village of Spring Valley, Rockland Coach, City of Poughkeepsie.

NYC Rapid Rail: MTA NYC Transit, Staten Island Rapid Transit Operating Authority.

NY Suburban Rail (Commuter Rail): Metro North Commuter Railroad Company, MTA Long Island Rail Road.

NY Ferries: New York City Department of Transportation, Private Ferries.

NJ Transit Bus: New Jersey Transit.

NJ Independent Bus: Community Transit, Lakeland Bus Line, Academy Lines, NJ Transit Corporation-45, Hudson Transit Lines, Decamp Bus Line, Suburban Transit Corporation, Olympia Trails Bus Company, Orange-Newark-Elizabeth, Trans-Bridge Lines.

NJ Rapid Rail: Port Authority Trans-Hudson (PATH) Corporation, New Jersey Transit Corporation (Light Rail and Hybrid Rail).

NJ Suburban Rail: New Jersey Transit Corporation.

CT Transit Bus: Connecticut Department of Transportation Stamford Division, Connecticut Department of Transportation New Haven Division.

CT Private Bus: Norwalk Transit District, Greater Bridgeport Transit Authority, Housatonic Area Regional Transit, Milford Transit District.

Regional Public Transportation Type and Unlinked Passenger Trips

To examine the public transit ridership historic trends for the past decade, the data "unlinked passenger trips" is collected from the National Transit Database (NTD) of the Federal Transit Administration (FTA). All the transit agencies need to report unlinked passenger trips data to the FTA annually.

Unlinked Passenger Trips: The number of passengers who board public transportation vehicles. Passengers are counted each time they board vehicles no matter how many vehicles they use to travel from their origin to their destination.

FIGURE 2. ANNUAL PUBLIC TRANSPORTATION UNLINKED TRIPS IN NEW YORK METROPOLITAN AREA
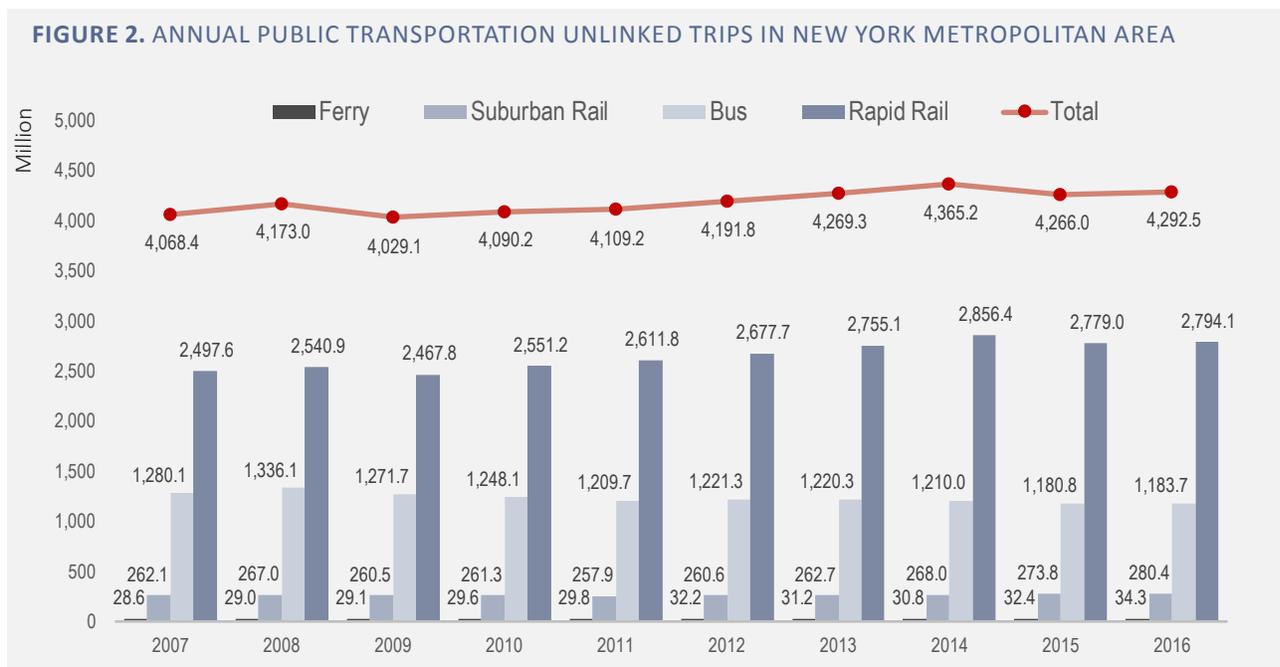
Rapid Transit

FIGURE 3. COMPARISON OF ANNUAL UNLINKED TRIPS IN NY-NJ-CT REGION/US

Million

Study Region — United States

Year	Study Region	United States
2007	4,068.4	9,772.9
2008	4,173.0	10,079.9
2009	4,029.1	10,134.3
2010	4,090.2	9,765.7
2011	4,109.2	9,801.5
2012	4,191.8	10,027.6
2013	4,269.3	10,088.7
2014	4,365.2	10,183.1
2015	4,266.0	10,181.3
2016	4,292.5	10,060.8
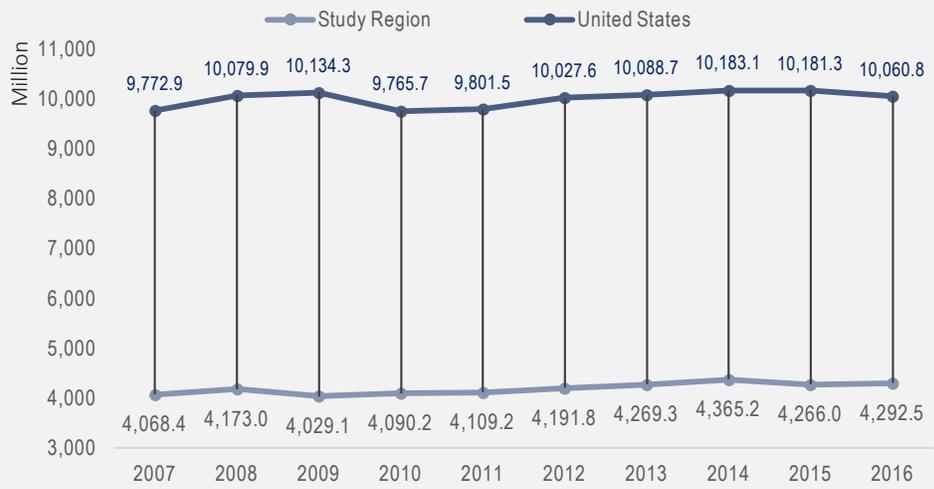
FIGURE 4. ANNUAL NEW YORK CITY SUBWAY UNLINKED PASSENGER TRIP

Million

Year	Value
2007	2,397.8
2008	2,436.0
2009	2,365.5
2010	2,446.8
2011	2,505.2
2012	2,576.0
2013	2,663.5
2014	2,751.3
2015	2,671.0
2016	2,681.9
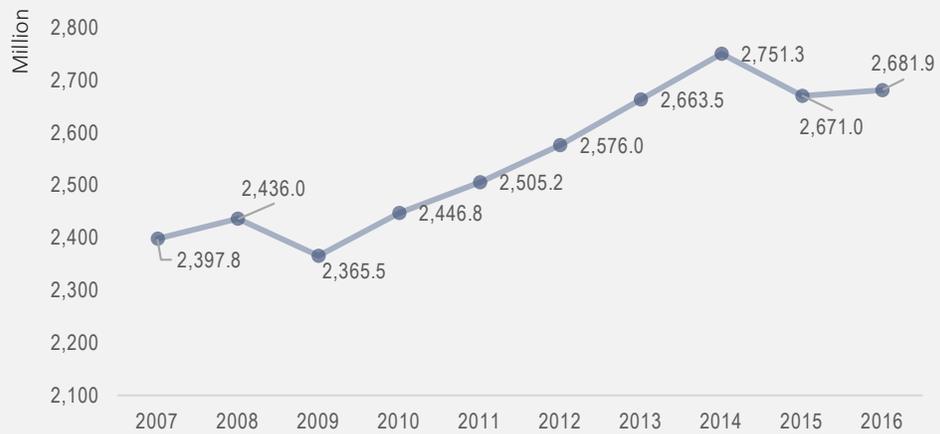
FIGURE 5. ANNUAL PATH UNLINKED PASSENGER TRIPS

Million

Year	Value
2007	80.6
2008	83.6
2009	80.0
2010	82.9
2011	85.9
2012	79.9
2013	70.6
2014	83.0
2015	85.5
2016	88.3

8
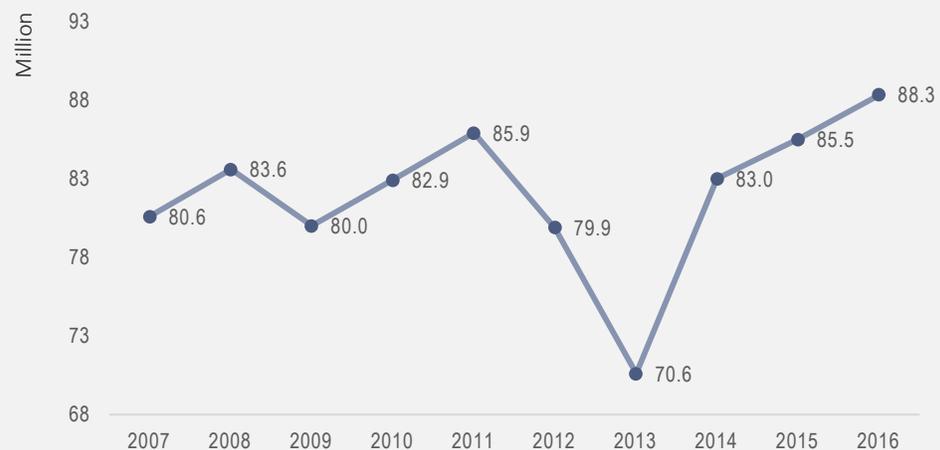
Throughout the ten-year period from 2007 to 2016, the public transportation system has supported over 4 billion unlinked trips annually in the NYMTC planning area. With a slight increase of 0.6% from 2015, trips reached 4.29 billion in 2016. National transit ridership has ebbed and flowed with a high of 10.134 billion in 2009, falling to 9.77 billion in 2010, and rising in 2014 to a peak of 10.183 billion trips. Between 2015 and 2016, there was a 1.2% decrease from 10.181 billion to 10.06 billion trips (Table A-1).

Comparing the NY-NJ-CT tri-state region's transit ridership with that of the United States, the heavy concentration of transit use in the region is evident. After achieving a high of 1.024 million trips in 2008, New York City bus travel has decreased 11.4 % through 2016. Conversely, suburban rail and rapid rail trips have increased by 7.0 and 11.8 percent, respectively, since 2007. Rapid rail accounts for the highest mode of travel, with almost 2.8 billion unlinked trips in the reporting year; bus and suburban rail account for 1.18 and 0.28 billion unlinked trips, respectively. (Table A-1, Appendix A))

The subway system in New York City carried 2.68 billion unlinked trips in 2016 (Figure 4). As the volume steadily increased from 2.36 billion to 2.75 billion between 2009 and 2014, it experienced a decline in 2015 and recovered slightly (0.4 percent) in 2016. The unlinked passenger trips supported by PATH fell from 85.9 to 70.6 million during 2011 and 2013. After this sharp decrease, it climbed back to 88.3 million trips in 2016 (Figure 5).

The unlinked trips from operators of suburban rail road in this region, including MTA Metro North, MTA Long Island Rail Road and New Jersey Transit, rose up to it's highest in the 10 year period to 86.3, 103.2 and 90.9 million, respectively. This represents an increase of 8.3, 1.1, and 13.2 percent, respectively, during this decade (Figure 6).

NYC subway 2.68 billion trips

PATH 88.3 million trips.

Suburban Rail

FIGURE 6. ANNUAL SUBURBAN RAIL ROAD UNLINKED TRIPS
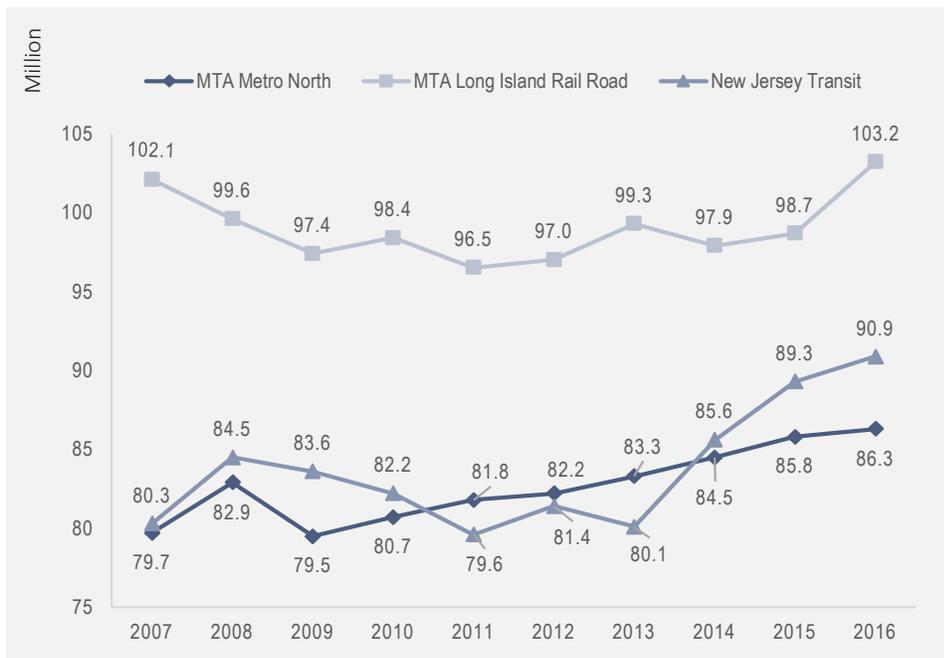
MTA New York City bus transported 910.8 million unlinked trips in 2016, a 1 percent increase in volume over 2015. Correspondingly, New York Suburban bus, New Jersey bus, and Connecticut bus, within the NYMTC's planning region, experienced a decrease of 2.1, 2.0 and 4.1 percent, respectively, in the number of bus riders, between 2015 and 2016. (Figures 7-10).

Bus

FIGURE 7. ANNUAL NEW YORK CITY BUS UNLINKED PASSENGER TRIPS
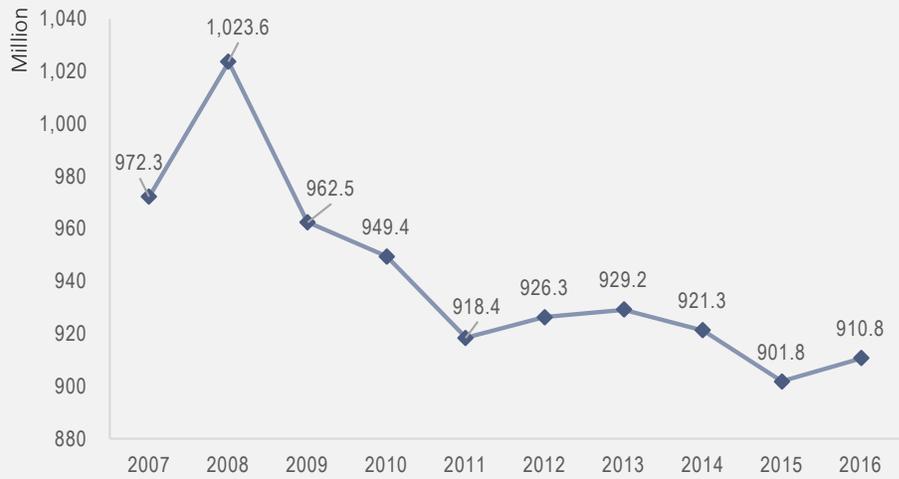
FIGURE 8. ANNUAL NEW YORK SUBURBAN BUS UNLINKED PASSENGER TRIPS
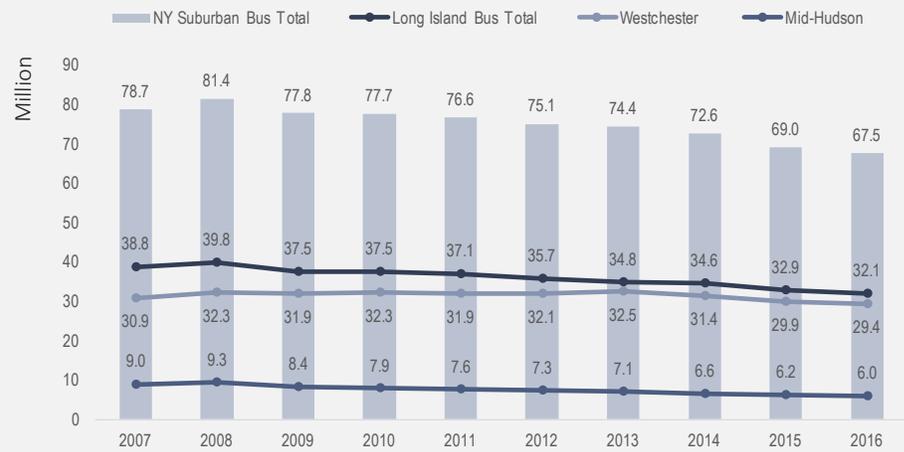
FIGURE 9. ANNUAL NEW JERSEY BUS UNLINKED PASSENGER TRIPS

New Jersey Bus Total ● NJ Transit Bus ● NJ Independent
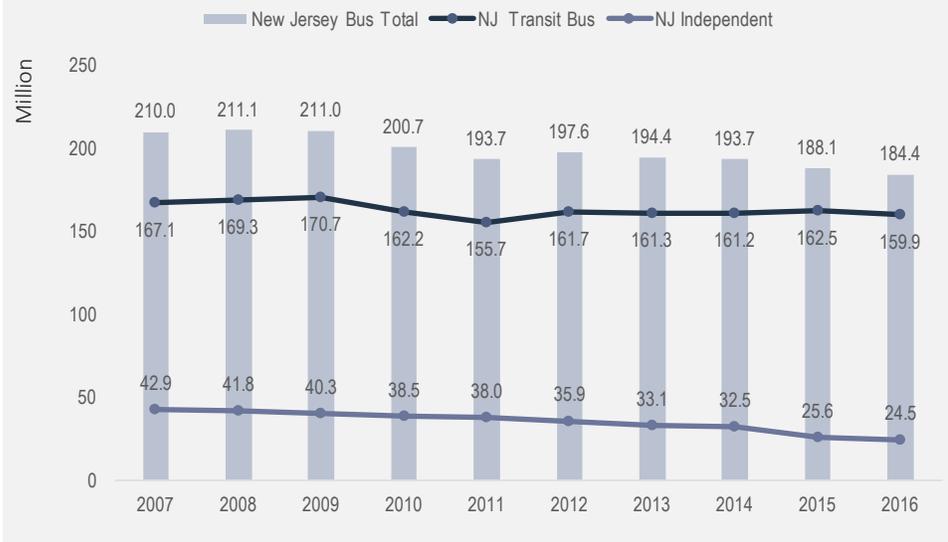
FIGURE 10. ANNUAL CONNECTICUT BUS UNLINKED PASSENGER TRIPS

CT Bus Total ● CT Transit Bus ● CT Private Bus
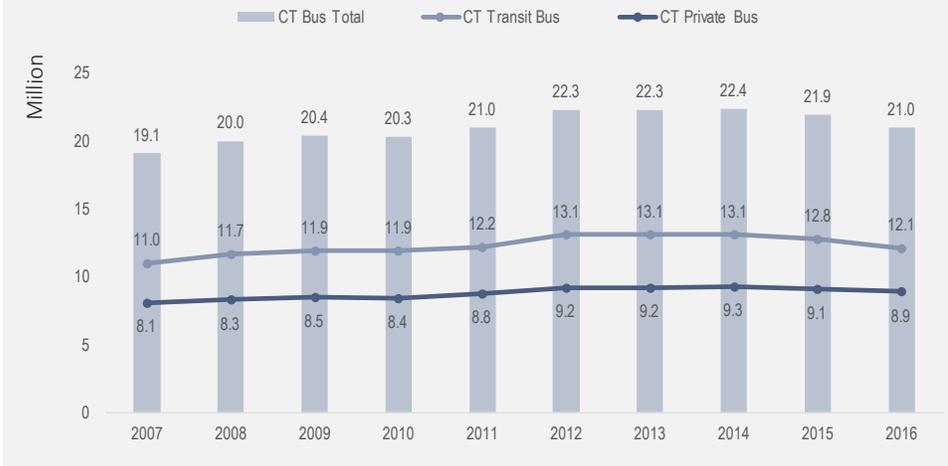
Ferry operators reported a 5.8 percent increase in ridership in 2016, reaching 34.3 million passengers in the NY-NJ-CT region. The Staten Island ferry, as a major contributor, accounts for approximately two thirds of the volume, with private ferry accounting for the remaining one third of the ferry ridership. (Figure 11).

Ferry

FIGURE 11. ANNUAL NEW YORK CITY FERRY UNLINKED PASSENGER TRIPS

Public Transportation Finance

Vehicles Available for Maximum Service

Vehicles Available for Maximum Service: The number of revenue vehicles available to meet the annual maximum service requirement.

Vehicles available for maximum service include:
- Operational vehicles;
- Spares;
- Out of service vehicles;
- Vehicles in or awaiting maintenance.

Vehicles available for maximum service exclude:
- Vehicles awaiting sale;
- Emergency contingency vehicles.

Figure 12 compares the annual available vehicles of different modes from the NY-NJ-CT region; the largest number of the available vehicles are from New York bus (6,779) and New York City rapid transit (5,426). During the ten-year period, the number of registered buses and railcars in the study region both have downward trends. The 14.8% decrease in NYC rapid transit from 2011 to 2012 is particularly notable, with a drop in the total study region railcar amounts from 10,501 to 9,559, during that period.

FIGURE 12. ANNUAL PUBLIC TRANSIT VEHICLES AVAILABLE FOR MAXIMUM SERVICE
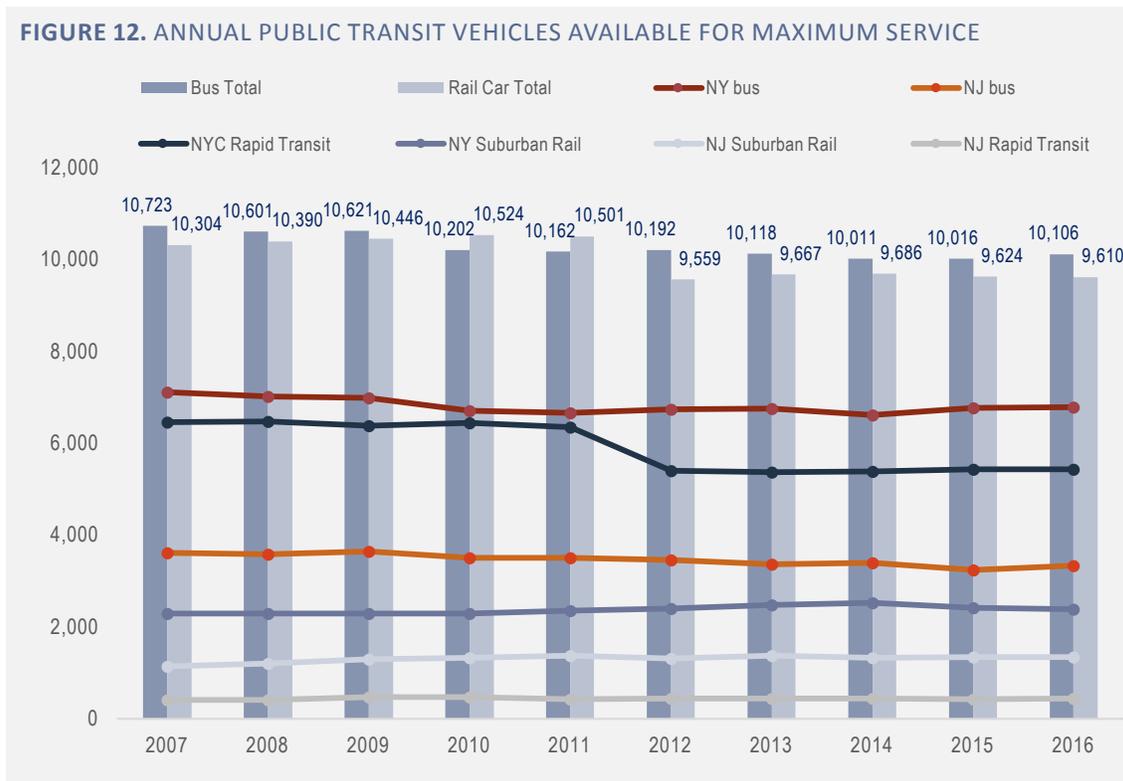
Public Transportation Operating Expense, Revenue and Deficit

Operating expense: The expenses associated with the operation of the transit agency, and classified by function or activity, and the goods and services purchased.

Passenger Revenue (Fare revenue): All income received directly from passengers, paid either in cash or through pre-paid tickets, passes, etc.

Deficit: (Passenger revenue/Total fare revenue) * Other funds + Passenger revenue – Operating expense

Increasing deficit reaches $7 billion.

During the last ten years, the operating expense has been continuously growing; the revenue has been increasing and fluctuating on a relatively small scale, contributing to the nearly doubled deficit.

The study region's public transportation system reported a 2.1% increase in total passenger revenues in the study region to more than 7.4 billion dollars in 2016 (Table A-6). The increases were posted by all operators except New York Suburban bus and Connecticut bus. As shown on Figure 13, total operating revenues reached 8.15 billion dollars in 2016, marking a 4.8% increase from 2015. Meanwhile, the operating expense also increased 4.9% to 15.2 billion dollars, resulting in a 6.9% increase in deficit to 7 billion dollars.

FIGURE 13. ANNUAL PUBLIC TRANSPORTATION FINANCES NY-NJ-CT REGION
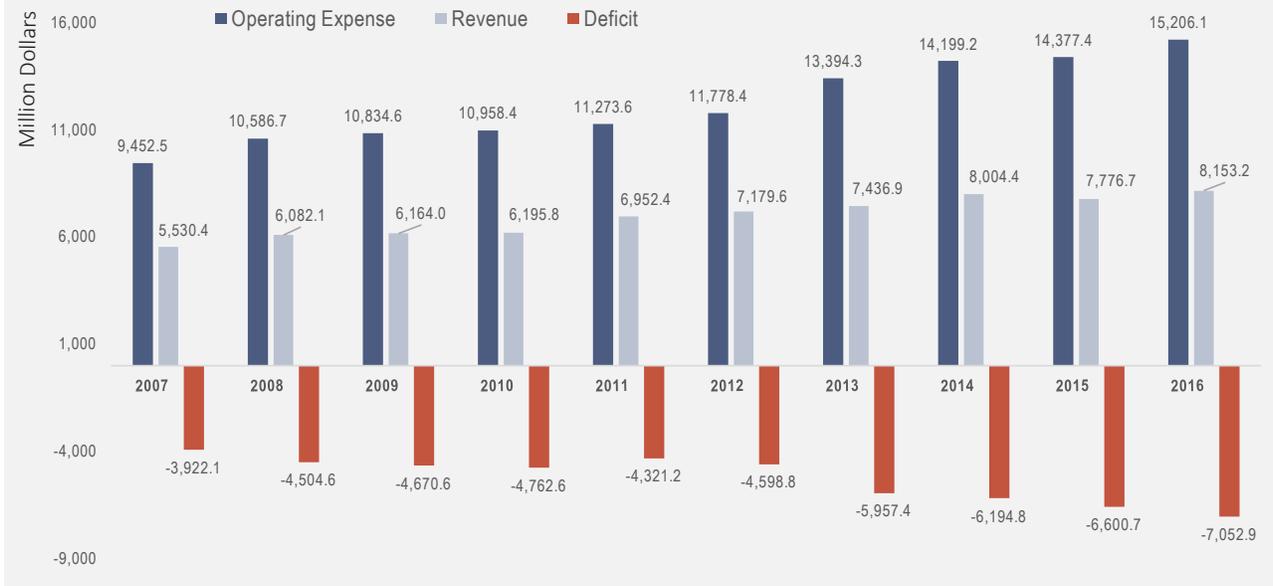
Public Transportation Farebox Recovery Ratio

Another indicator used to measure the financial performance of transportation agencies in the NYMTC study region is the farebox recovery ratio, which measures the amount of operating expense covered by passenger revenue.

Farebox Recovery Ratio (%): the fraction of operating expenses which are met by the fares paid by passengers. (Fare Revenue ÷ Operating Expense) x 100.

As shown in Figure 14, the NY-NJ-CT regional farebox recovery rate has been fluctuating around 50% during the last ten years, hitting the lowest point at 49.1% in 2016. The ratio varies greatly among the region's public transportation operators, as it reflects the different modes of transit and types of services that have been provided to the public. Within these agencies, the farebox recovery ratios of MTA NYC Subway and Metro North Rail have been above the regional level throughout this ten-year period and reached ratios of 60.3% and 59.9%, respectively in 2016. On the other hand, as shown in Figure 15, the CT Transit Bus and Newark Light Rail have the lowest farebox recovery ratios, generally below 25% for much of that period.

MTA NYC Subway: Over **60%** expense covered by **fares.**

FIGURE 14. FAREBOX RECOVERY RATIO OF NEW YORK TRANSIT

Legend: MTA NYC Transit Subway · Metro North & LI Rail Road · Region · MTA NYC Transit Bus
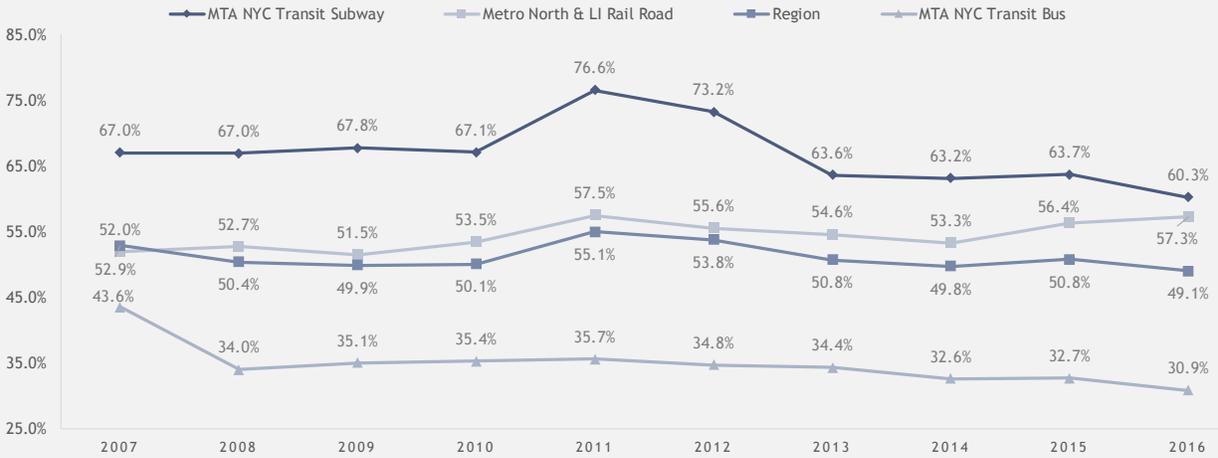
FIGURE 15. FAREBOX RECOVERY RATIO OF NEW JERSEY AND CONNECTICUT TRANSIT

Legend: PATH · New Jersey Transit Bus · CT Transit Bus · Newark City Light Rail
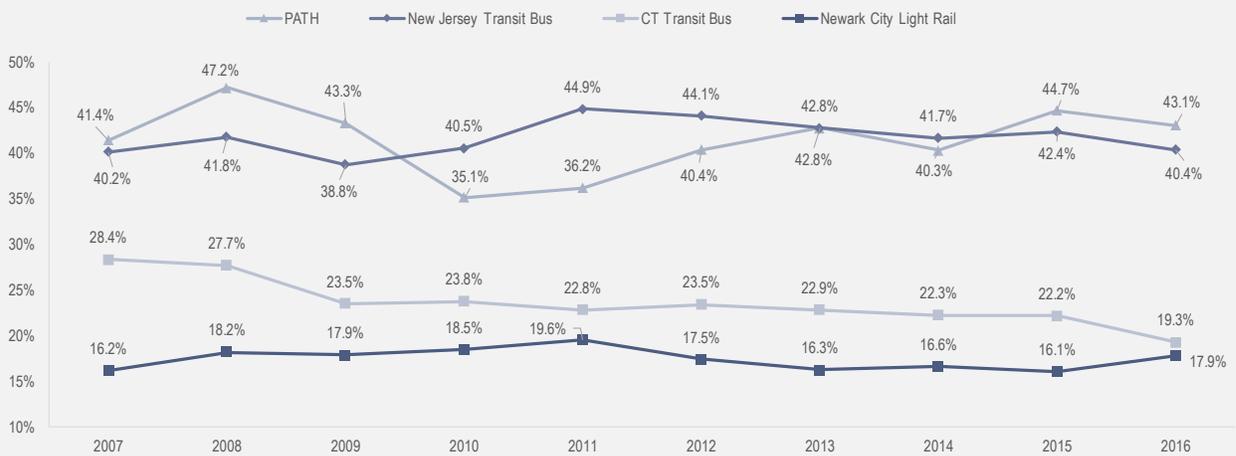
Motor Vehicles and River Crossings

Motor Vehicles

Registered Motor Vehicles and Type of Registration

This report contains registered vehicle data for only counties from the study region within New York State. The New York State study counties are:

New York City: Bronx, Kings, New York, Queens, Richmond

New York Suburban: Dutchess, Nassau, Orange, Putnam, Rockland, Suffolk, Westchester.

Registered Motor Vehicles data is collected from the Department of Motor Vehicle. Motor vehicle registrations are reported by major vehicle classes, including passenger car, rental car, commercial, bus, taxi and motor cycle, etc.

Registered Motor Vehicles and Registration Type

In 2016, the registered motor vehicles in New York State within counties in the study area reached 5,987,261, with a 1.49 percent increase over 2015. Over the past decade, the number of registered motor vehicles in New York counties had an upward trend in general, rising from 5.6 million in 2007, to nearly 6 million in 2016 (a 7.5 percent increase). During this time period, the number of registered motor vehicles in the nation has increased by 14.9 percent from 234 to 269 million in 2016. It's notable that in the past 10 years the growing rate of registered vehicles in the nation is almost double that of the New York counties within the NYMTC's planning region (Table B-1).

FIGURE 16. 2016 VEHICLE REGISTRATION TYPE IN NEW YORK STUDY COUNTIES

- Passenger
- Commercial
- Others
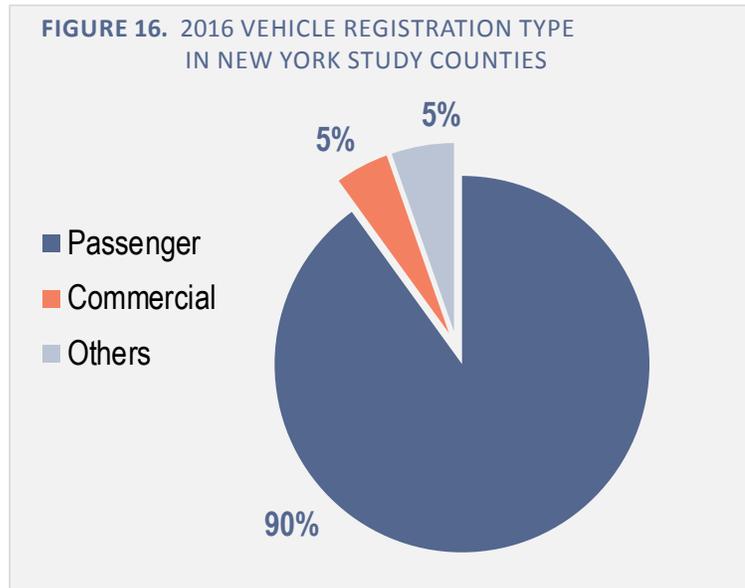
Among these registered vehicles in the study counties, 90 percent of them are passenger vehicles, with 5 percent being commercial vehicles and another 5 percent accounting for other vehicles (Figure 16).

FIGURE 17. ANNUAL REGISTERED MOTOR VEHICLES IN NEW YORK STATE STUDY COUNTIES

5,569,442 · 5,613,064 · 5,619,825 · 5,645,210 · 5,620,113 · 5,655,610 · 5,726,508 · 5,768,008 · 5,899,245 · 5,987,261

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016
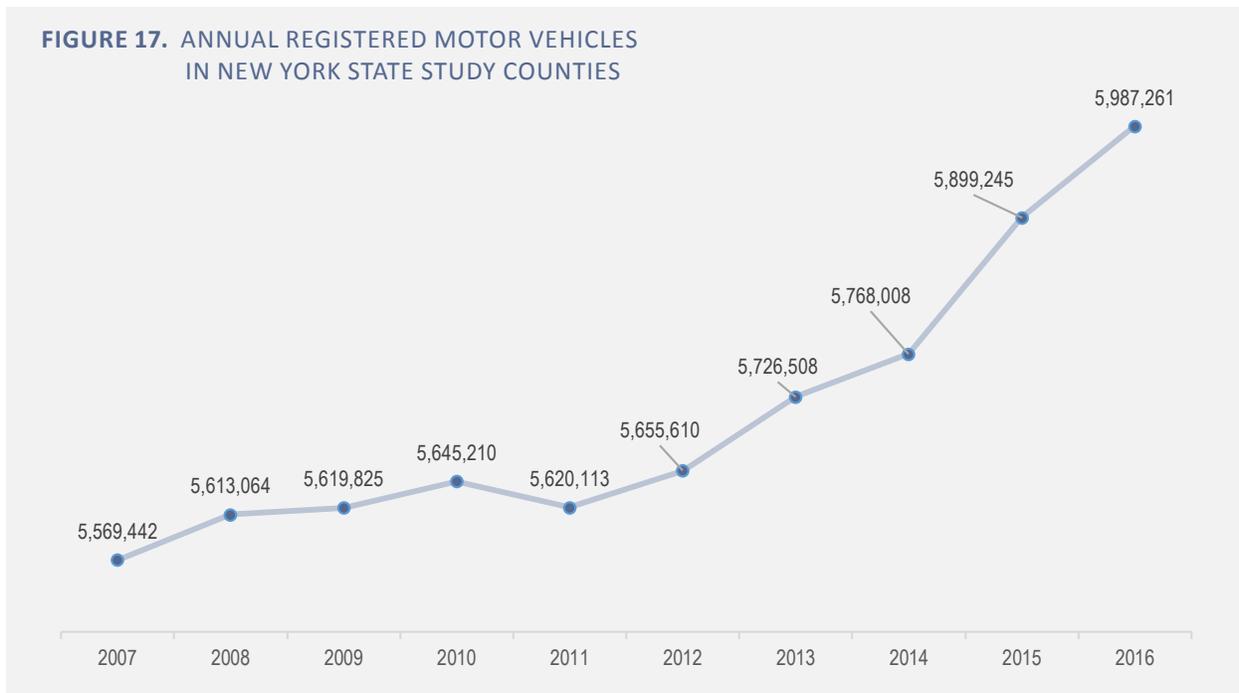
Registered passenger vehicles per 100 population is an indicator that reflects the regional mobility provided by the passenger vehicle when considering local population needs. Figure 18 indicates the extensive gap in vehicle ownership between the New York City and New York suburban area in 2016, with 22.4 and 69.8 vehicles per 100 population respectively. Within New York City, Richmond County has the highest vehicle per 100 population (55), whereas New York County (Manhattan) has the lowest at (13.9). For the New York suburban counties, the average numbers of vehicles owned per 100 population are all above 60, suggesting larger use of passenger vehicles in New York suburban counties than in New York City.

Passenger Vehicles per 100 Population

FIGURE 18. 2016 REGISTERED PASSENGER VEHICLES PER 100 POPULATION
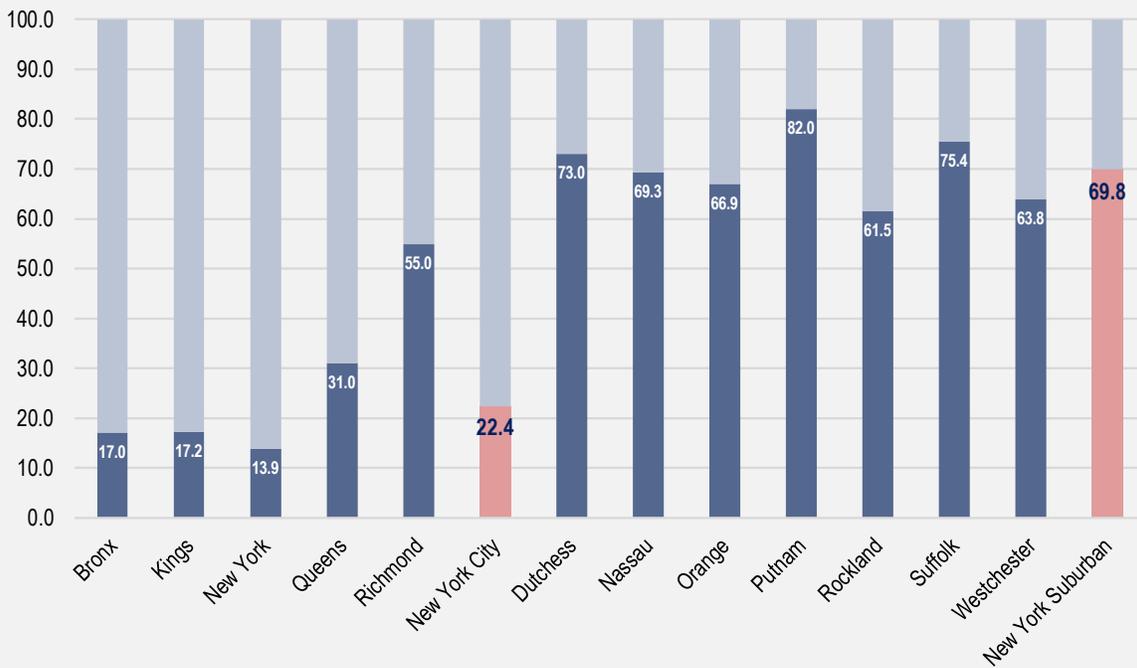
River Crossings

Major River Crossing Bridges and Tunnels Map

River Crossing
Major River Crossing Bridges and Tunnels

Governor Mario M. Cuomo Bridge

Westchester

Henry Hudson Pkwy

George Washington Bridge

Bronx

Bronx Whitestone Bridge

RFK Bridge

Throgs Neck Bridge

NEW JERSEY

Manhattan

Lincoln Tunnel

Ed Koch Bridge

Queensboro Bridge

QueensMidtown Tunnel

Holland Tunnel

Williamsburg Bridge

Queens

Manhattan Bridge

Brooklyn Bridge

Hugh L. Carey Tunnel

Bayonne Bridge

Brooklyn

Goethals Bridge

Verrazano Narrows Bridge

Marine Pkwy Bridge

Cross Bay Bridge

Staten Island

Outerbridge Crossing

Major River Crossing Annual Average Daily Traffic and Truck Volume

Bridges and tunnels function as important links to channel motorists and goods to the region's highway system and improve mobility and economy of the NYMTC region (Map page 21).

Annual Average Daily Traffic (AADT): Annual average number of vehicles two-way passing a specific point in a day.

The river crossing AADT data is generated from New York City Department of Transportation, New York State Department of Transportation, Port Authority of New York and New Jersey and Metropolitan Transportation Authority Bridges and Tunnels.

This report includes the AADT data for all bridges and tunnels that cross Arthur Kill/ Kill Van Kull, Harlem River, Hudson River and East River within the study region.

In 2016, the AADT on the region's major river crossings increased by 1.2 percent compared to the previous reporting year. The largest increase in traffic volume was 13.5 percent for the Bronx-Whitestone Bridge; the Bayonne Bridge had the largest decrease of 16.7 percent in 2016 (Table B-5).

Figure 20 and Table B-6 (Appendix B) present the truck volume trends at the river crossings over the period of 2007-2016. It is noted that the George Washington Bridge was the most utilized facility carrying a daily average of 30,192 trucks over the river in 2016.

The busiest river crossing is the George Washington Bridge with more than **30,000** trucks each day

FIGURE 19. MAJOR RIVER CROSSINGS ANNUAL AVERAGE DAILY TRAFFIC

Legend: ■ Arthur Kill/ Kill Van Kull Total ■ Harlem River Total ■ Hudson River Total ■ East River Total

Year	Arthur Kill/ Kill Van Kull Total	Harlem River Total	Hudson River Total	East River Total
2007	186	580	988	1,028
2008	180	602	962	994
2009	178	606	947	992
2010	179	613	953	994
2011	177	605	933	973
2012	164	607	955	1,006
2013	158	618	954	1,005
2014	156	597	950	1,001
2015	163	593	985	1,015
2016	169	603	999	1,016

(Y-axis: Thousands)

FIGURE 20. RIVER CROSSING TRUCK ANNUAL AVERAGE DAILY TRAFFIC IN 2016

Crossing	Value
Bayonne Bridge	500
Hugh L. Carey Tunnel	747
Queens-Midtown Tunnel	2,105
Holland Tunnel	3,695
Outerbridge Crossing	5,065
Goethals Bridge	8,457
Lincoln Tunnel	8,523
Bronx-Whitestone Bridge	8,926
Verrazano-Narrows Bridge	12,652
RFK Bridge (Bronx &...	13,551
Throgs Neck Bridge	14,178
George Washington Bridge	30,192
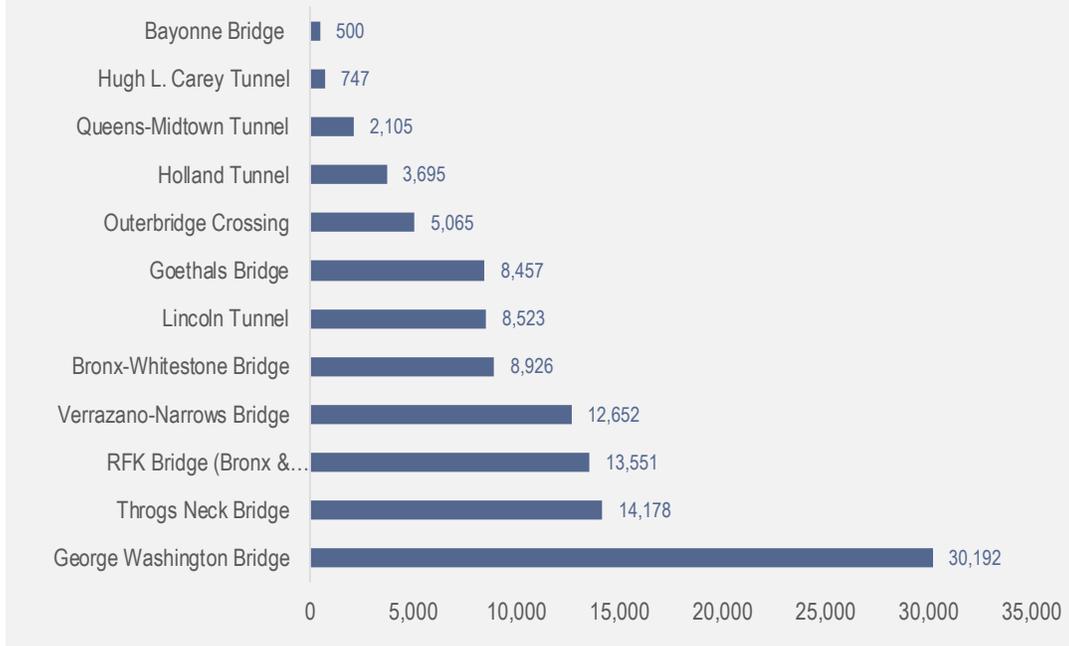
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Commuting

Commuting

"NYMTC's goal is to provide convenient, flexible transportation access within the region"

Means of Transportation to Work (MoTW):

The principal mode of travel or type of conveyance, by distance rather than by time, that a worker travels from home to work.

As shown in Figure 21 , the New York City counties, particularly Kings, Bronx and New York Counties, had the highest use of public transportation, whereas Suffolk County, a more suburban county, had the least, followed by Rockland, Putnam and Dutchess counties. Conversely, New York County had the smallest portion of commuters choosing to drive alone, while Suffolk County had the largest. New York County had a notable portion of commuters walking or bicycling to work.

Vehicles Available in Family: The number of passenger cars, vans and pickup or panel trucks of one-ton capacity or less kept at home and available for the use of household members.

Means of Transportation to Work in Study Region

FIGURE 21. 2016 MEANS OF TRANSPORTATION TO WORK

Legend:
- Public Transportation
- Drive Alone
- Carpooled
- Worked at Home
- Taxicab, Motorcycle
- Walked or Bicycle
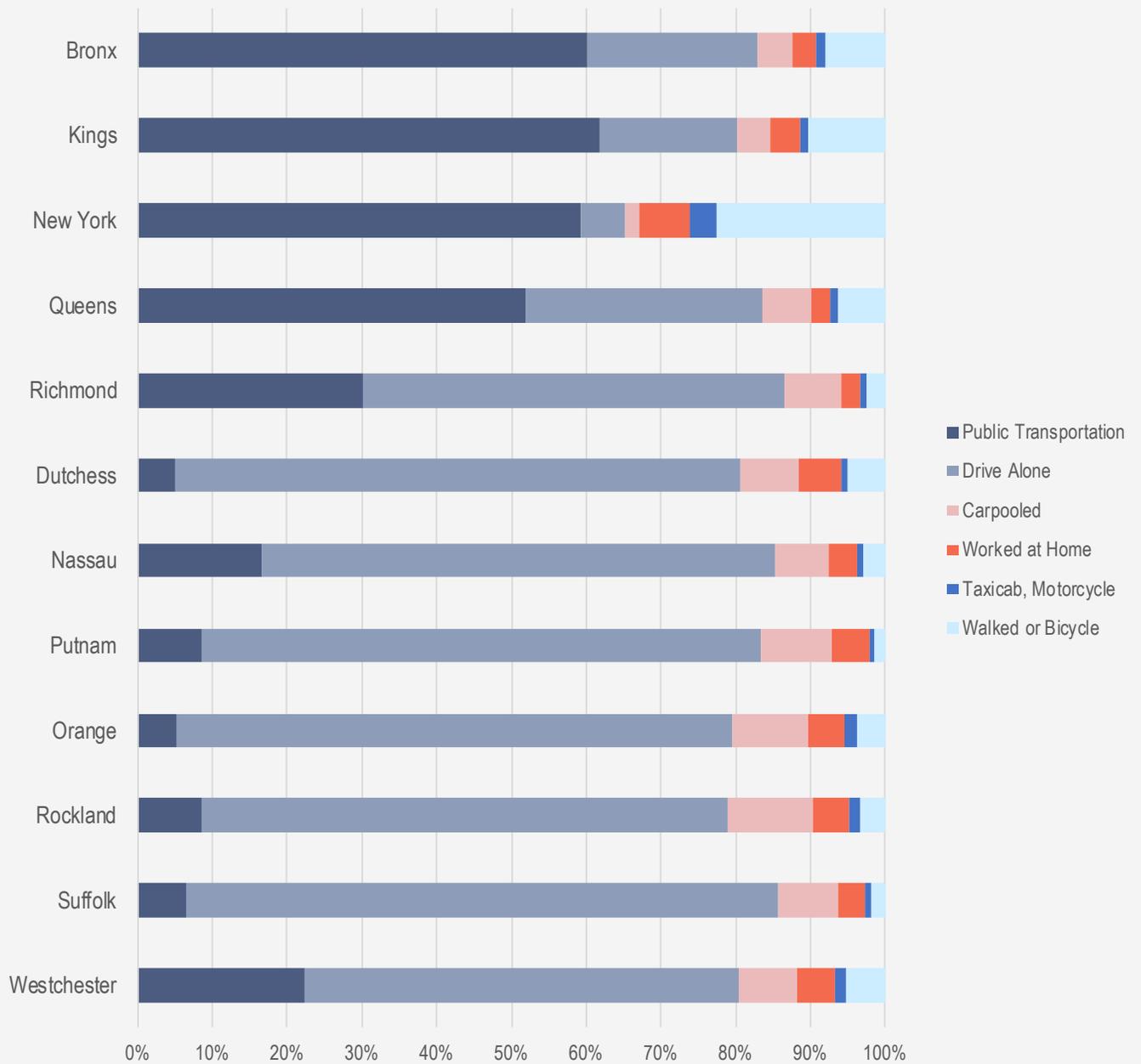
Number of Vehicles Available in Family

Figures 22 and 23 highlight that the number of vehicles available to a family differs between New York City and the New York suburban areas. In New York City, 41% of families have no vehicle, 33% have one vehicle, and only 18% have two vehicles. However, in the suburban areas, only 4% of famillies have no nehicle, 41% own two vehicles and 37% have three or more vehicles.

FIGURE 22. NUMBER OF VEHICLES AVAILABLE IN FAMILY
NEW YORK CITY, 2016

3 or More Vehicles
8%

2 Vehicles
18%

0 Vehicle
41%
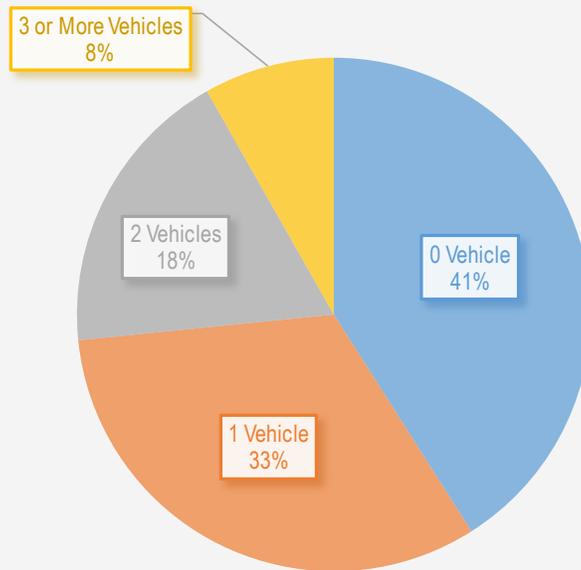
1 Vehicle
33%

FIGURE 23. NUMBER OF VEHICLES AVAILABLEIN FAMILY
NEW YORK SUBURBS, 2016

0 Vehicle
4%

1 Vehicle
18%

3 or More Vehicles
37%

2 Vehicles
41%

**S
A
F
E
T
Y**
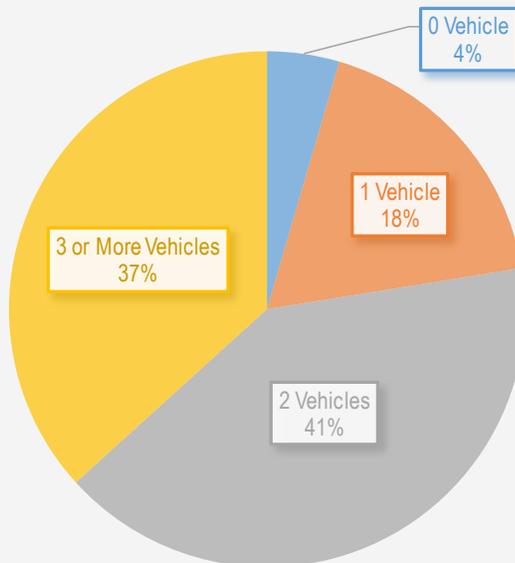
Motor Vehicle Crash

"NYMTC's actions support the National Goal to achieve a significant reduction in traffic fatalities and serious injuries on all public roads."

Motor Vehicle Crash Categories

Motor vehicle crash data is collected from Institute for Traffic Safety Management and Research (ITSMR). The data is presented into two geographic groups in the study region.

The "New York City" group includes data from Bronx, Kings, New York, Queens and Richmond counties. The "New York Suburban" group includes data from Dutchess, Nassau, Orange, Putnam, Rockland, Suffolk, and Westchester counties.

The crash severity data was collected in 3 categories:

Fatal: Motor vehicle crash resulted in at least one person killed.

Injury: Motor vehicle crash resulted in at least one person injured.

Property Damage: Motor vehicle crash resulted in property damage of 1,000 dollars or more.

In 2016, the New York Suburban area experienced a 0.1 percent decrease in crashes (70,475), whereas New York City (104,529) and New York State (301,908) had 15.3 percent and 2.5 percent increases in crashes, respectively (Table D-2, Appendix D). The 12 counties collectively known as NY counties study area reported 175,004 total crashes, representing a 5.6 percent increase in 2016.

In 2016, the city and suburban areas had decreases in fatalities from vehicle crashes, with New York City showing a 4.7% reduction from 232 in 2015 to 221 in 2016, and the New York Suburban area showing a reduction of 21.2% from 364 in 2015 to 287 fatalities in 2016 (Figure 26). Among all study counties in New York, only New York County and Bronx County showed an increase in fatalities, with notable increases of 34.3% (19 people) and 65.5% (12 people), respectively (Table D-1, Appendix D).

Within New York City, there was a 19.7 percent increase in injuries, spiking up to 48,863 in 2016 (Figure 27). Within the New York Suburban area, 37,906 crashes reported injuries, and 66,336 caused property damage in 2016 (Figure 27-28).

Though the study area as a whole has an increase of 11.5% in number of crashes with injuries, the suburban area only had a 2.5% increase, while New York City area had 19.7% increase.

The study area experienced a slight increase (0.5%) in crashes resulting in property damage. New York Suburban area saw a decrease of 1.4% while the New York City area saw an increase of 6.7%, with Kings County having the largest increase (13.2 %).

Crashes of fatalities, injuries and property damage

FIGURE 24. TOTAL MOTOR VEHICLE CRASHES IN NY CITY AND SUBURBAN

New York City — New York Suburban

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
New York Suburban	108,832	104,334	104,951	101,438	104,312	99,614	102,645	102,611	104,622	104,529
New York City	79,510	76,486	75,539	78,343	73,060	68,804	70,403	66,554	61,106	70,475

FIGURE 25. MOTOR VEHICLE CRASHES IN NY DOWNSTATE AND NY STATE

New York Downstate Total — New York State Total

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
New York State Total	323,106	316,231	314,974	315,377	307,550	294,757	304,804	299,452	294,556	301908
New York Downstate Total	188,342	180,820	180,490	179,781	177,372	168,418	173,048	169,165	165,728	175,004

31
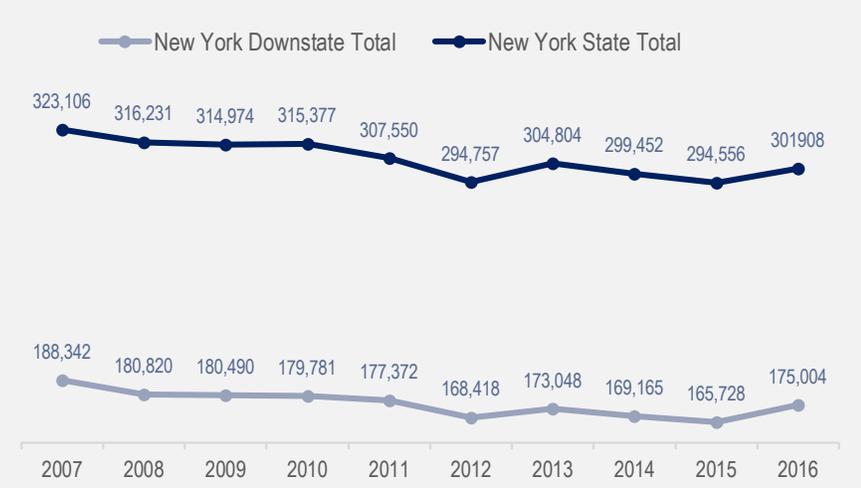
FIGURE 26. MOTOR VEHICLE CRASH FATALITIES

● New York City ● New York Suburban

New York Suburban: 374, 377, 329, 330, 343, 331, 347, 287, 364, 287

New York City: 264, 278, 256, 261, 250, 253, 281, 239, 232, 221

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

FIGURE 27. MOTOR VEHICLE CRASH INJURIES

● New York City ● New York Suburban

New York City: 52,711, 51,346, 51,234, 53,609, 49,634, 47,467, 48,910, 45,315, 36,980, 48,863

New York Suburban: 42,533, 40,913, 40,617, 38,530, 38,864, 37,616, 37,742, 36,792, 40,827, 37,906

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

FIGURE 28. MOTOR VEHICLE CRASH PROPERTY DAMAGE

● New York City ● New York Suburban

New York Suburban: 65,925, 63,044, 64,005, 62,578, 65,105, 61,667, 64,556, 65,532, 67,278, 66,336

New York City: 26,535, 24,862, 24,049, 24,473, 23,176, 21,084, 21,212, 21,000, 20,047, 21,391

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016
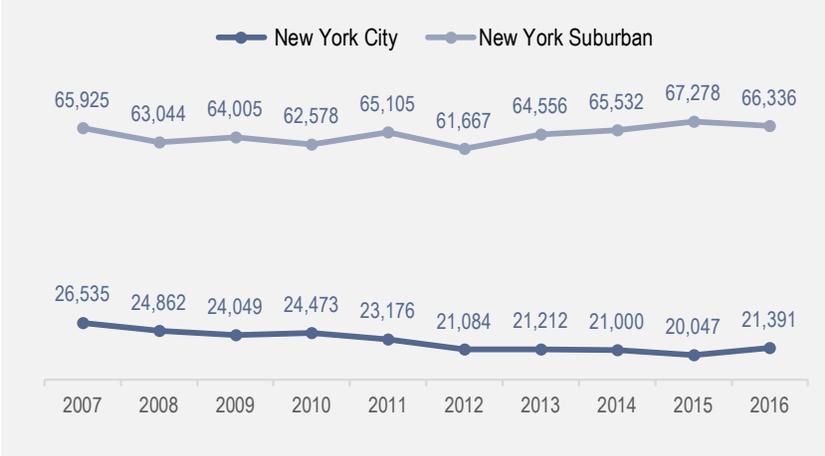
Motor Vehicle Crash by Contributing Factors

Contributing Factors: Apparent causes of the crash coded to the accident report
Environmental Factors: Crash was caused by environmental factors
Vehicular Factors: Crash was caused by vehicle malfunction
Human Factors: Crash was caused by human error

In 2016, human factors alone contributed to 50,401 crashes in New York City, increasing 59.4% from the previous year, making it the dominant contributing factor to vehicle crashes in this area (Figure 29). Vehicular and environmental factors contributed to 2,516 and 2,384 crashes respectively. In the New York Suburban area, the crashes attributed to human factors increased 30%, contributing to 106,787 crashes; 3,116 and 13,840 vehicle crashes were caused by vehicular and environmental factors, accordingly (Figure 30).

Note: an accident could have multiple factors, therefore total percent of each contributing factor may not add to 100 percent.

FIGURE 29. MOTOR VEHICLE CRASH CONTRIBUTING FACTOR IN NY CITY
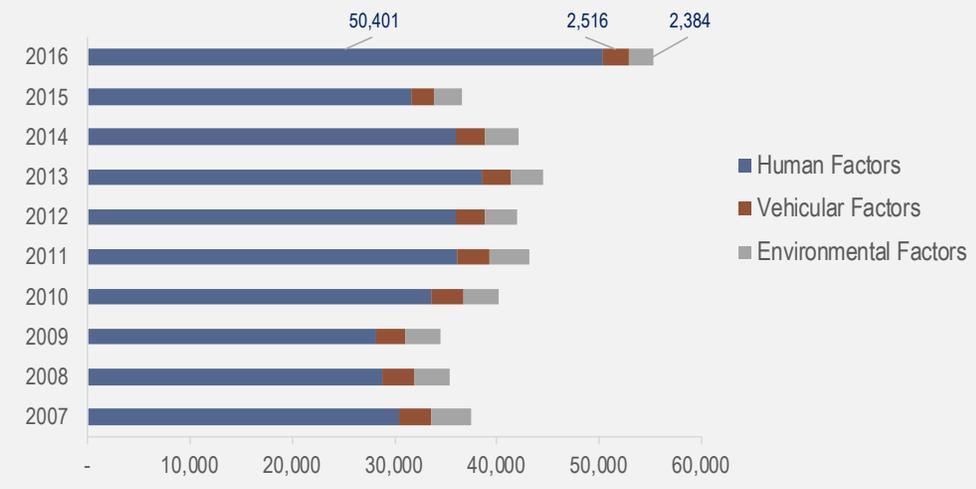
FIGURE 30. MOTOR VEHICLE CRASH CONTRIBUTING FACTOR IN NY SUBURBAN AREA
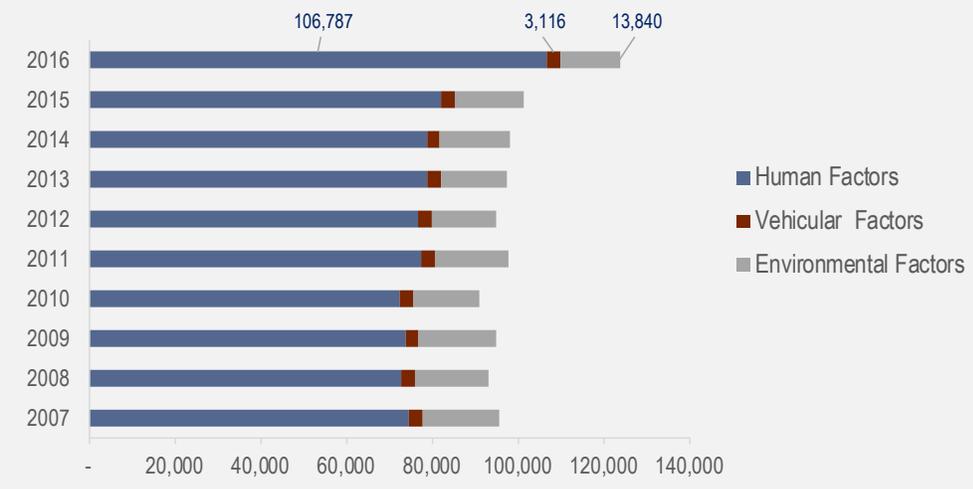
Alcohol involvement is a contributing human factor related to vehicle crashes. In 2016, 1,353 crashes related to alcohol involvement occurred in New York City, accounting for 1.9% of all crashes, and 2,565 crashes related to alcohol involvement occurred in the New York Suburban area, accounting for 2.5% of the crashes (Figure 31).

Gender is another factor that is considered to be relevant to motor vehicle crashes. In 2016, male drivers contributed to 177,776 crashes in the study area counties, and female drivers contributed to 105,026 accidents (Figure 34).

Note: some accident reports do not record the gender of the driver.

Other than motor vehicles, people also choose other transit options such as biking or walking. In 2016, 141 people were killed in pedestrian/vehicle crashes in New York City, and 90 people were killed in pedestrian/vehicle crashes in the New York Suburban area (Table D-9 – Appendix D). The number of bicycle/motor vehicle crashes in New York City increased 31.3% to 4,142 in 2016, reaching its highest point during the past 10 years (Table D-10 – Appendix D).

FIGURE 31. MOTOR VEHICLE CRASH WITH ALCOHOL INVOLVEMENT
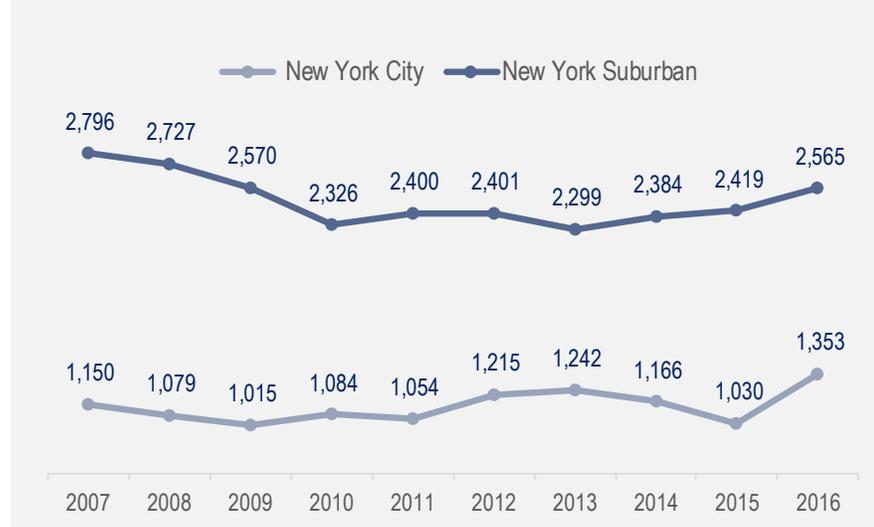
FIGURE 32. FATAL PEDESTRIAN CRASH IN NY STUDY COUNTIES

New York City ━━ New York Suburban ━━

135, 151, 158, 149, 143, 135, 183, 130, 132, 141

71, 81, 87, 80, 84, 101, 96, 68, 118, 90

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

In 2016, **141** pedestrians were killed in traffic crashes in New York City, and **90** pedestrians were killed in traffic crashes in the New York Suburban area.

FIGURE 33. FATAL/INJURY BICYCLE CRASH IN NY STUDY COUNTIES

New York City ━━ New York Suburban ━━

2,891, 2,909, 2,924, 3,661, 3,613, 3,622, 3,911, 3,550, 3,160, 4,142

1,172, 1,191, 1,176, 1,078, 1,058, 1,034, 1,002, 998, 965, 904

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

The number of bicycle/motor vehicle crashes in New York City increased **31.3%** to **4,142** in 2016

FIGURE 34. MOTOR VEHICLE CRASH AND DRIVER'S GENDER

In 2016, male drivers contributed to **177,776** crashes in the study area, and female drivers contributed to **105,026** crashes.

■ Male   ■ Female

Year	Male
2016	177,776
2015	173,868
2014	169,294
2013	173,491
2012	169,682
2011	178,423
2010	181,738
2009	183,005
2008	184,051
2007	194,283

Year	Female
2016	105,026
2015	100,479
2014	101,768
2013	104,919
2012	102,516
2011	106,861
2010	107,886
2009	108,726
2008	108,743
2007	112,624
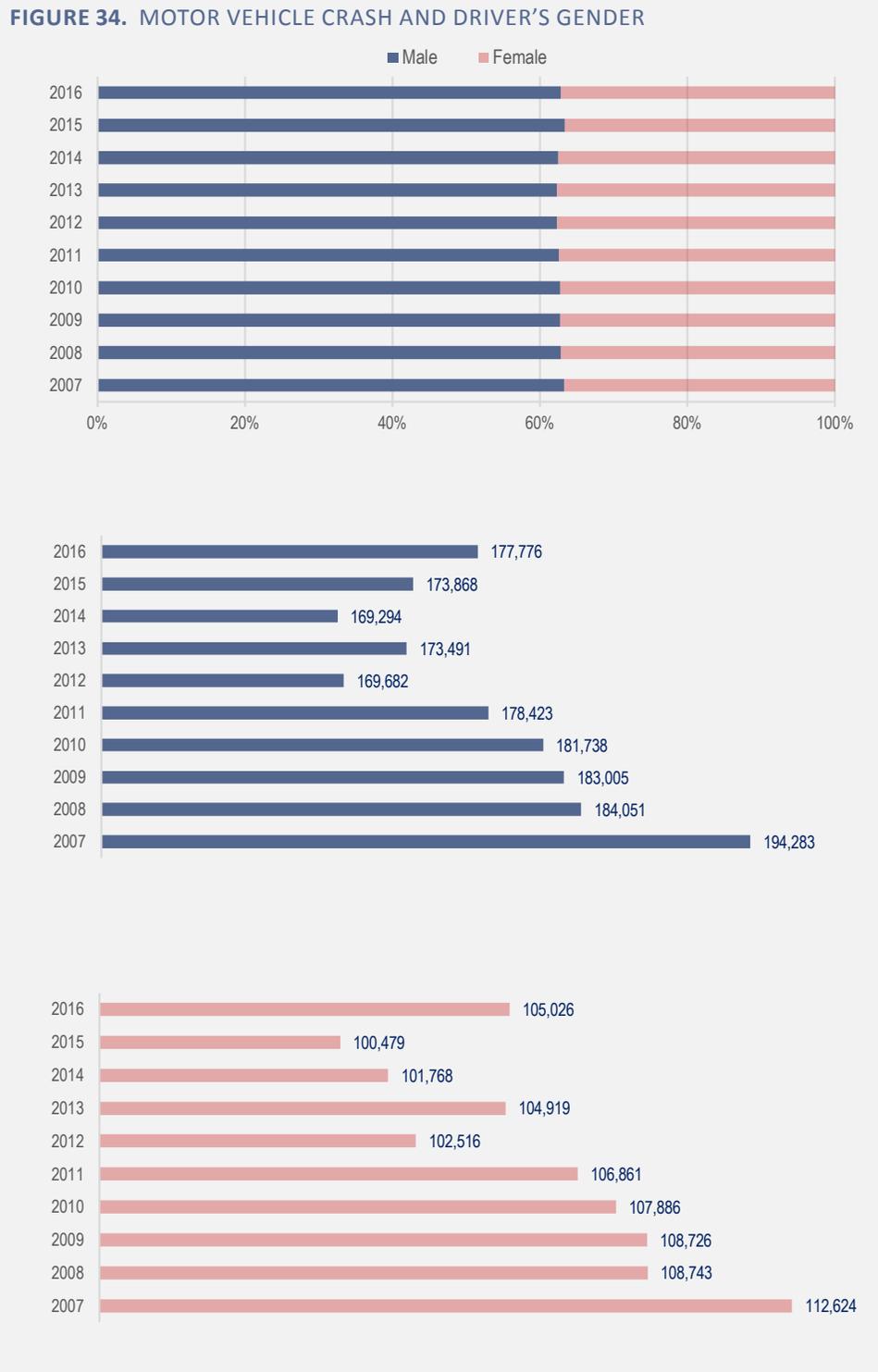
Airport Access

Airport access

There are six major airports within the New York-New Jersey-Connecticut study region. Each airport's annual passenger, flight and freight data is included in this report. These airports are:

- John F. Kennedy International airport
- LaGuardia Airport
- Newark Liberty Airport
- Long Island MacArthur Airport
- Stewart Airport
- Westchester Airport

Annual number of flights: the number of flights includes both commercial and cargo flights that took off and landed at six major airports in the study region.

Annual major airport number of passengers: the number of passengers departed from and arrived to the six major airports in the study region.

Annual Cargo Flight Tonnage: the weight of cargo in short tons from all cargo flights that took off and landed at the six major airports in the study region.

Revenue Passenger: is somone who has paid a transport operator for her or his trip. That excludes non-paying passengers such as airline employees flying on free or near-ly-free passes, babies and children who do not have a seat of their own.

The annual revenue passengers in all major airports in the study area has increased from 125.7 million in 2015 to 132.4 million in 2016 (Figure 35). The annual number of flights increased from 1.32 million in 2015 to 1.37 million in 2016 (Figure 36), while the annual cargo flight tonnage also increased slightly from 2.06 million to 2.09 million (Figure 37).

There was a 5% increase in revenue passenger, reaching 132 million of passengers in all major airports,

Total Major Airports' Activity

FIGURE 35. ANNUAL REVENUE PASSENGER

Thousand

114,047 (2007)
110,026 (2008)
104,642 (2009)
106,834 (2010)
108,415 (2011)
112,438 (2012)
115,127 (2013)
118,863 (2014)
125,725 (2015)
132,392 (2016)

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

FIGURE 36. ANNUAL NUMBER OF AIRFLIGHTS

Thousand

1,606 (2007)
1,450 (2008)
1,357 (2009)
1,335 (2010)
1,339 (2011)
1,345 (2012)
1,302 (2013)
1,298 (2014)
1,321 (2015)
1,373 (2016)

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

FIGURE 37. ANNUAL CARGO FLIGHT TONNAGE

Thousand

2,641.5 (2007)
2,370.9 (2008)
1,942.6 (2009)
2,275.9 (2010)
2,219.7 (2011)
2,088.7 (2012)
2,008.5 (2013)
2,033.7 (2014)
2,058.0 (2015)
2,089.3 (2016)

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

Socioeconomic and Demographic Data

Socioeconomic and Demographic Data

This report focuses mainly on transportation statistics in the New York metropolitan region, while also considering the region's overall social, economic and environmental issues, all of which impact transportation decisions. This section provides key demographic information including employment, population, public school enrollment, housing, and Consumer Price Index.

Most socioeconomic figures in this report display both the city and the regional level of data with reference to national data.

Civilian Labor Force: Number of people who have jobs or are seeking a job, are at least 16 years old, are not serving in the military and are not institutionalized.

Unemployed Civilian Labor Force: Number of people who have no job and are seeking a job, are at least 16 years old, are not serving in the military and are not institutionalized.

Unemployment Rate: Unemployed Civilian Labor Force/Total Civilian Labor Force. The unemployement data is collected from the American Community Survey of the United State Census Bureau. It is estimated based on the responses from the survey; therefore, it may be different from other sources, such as the Bureau of Labor Statistics.

Public School Enrollment: The number of people of all ages who enrolled in public schools, which includes nursery school, kindergarten, elementary school, and schooling which leads to a high school diploma or college degree.

Inflation Rate - All Urban Consumers: The rate at which the level of prices of goods and services for urban consumers are rising. It is calculated based on the annual consumer price index- all urban consumers. (CPI-U)

Inflation Rate - Private Transportation: The rate at which the price level of private transportation is rising.

Employment

FIGURE 38. EMPLOYMENT IN NEW YORK CITY

Thousand

3,926
3,992
3,930
3,901
3,836
3,847
3,807
3,734
3,667
3,545

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

FIGURE 39. EMPLOYMENT IN NY-NJ-CT STUDY REGION

Thousand

10,185
10,044
10,085
10,201
9,886
9,935
9,829
9,704
9,406
9,233

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016
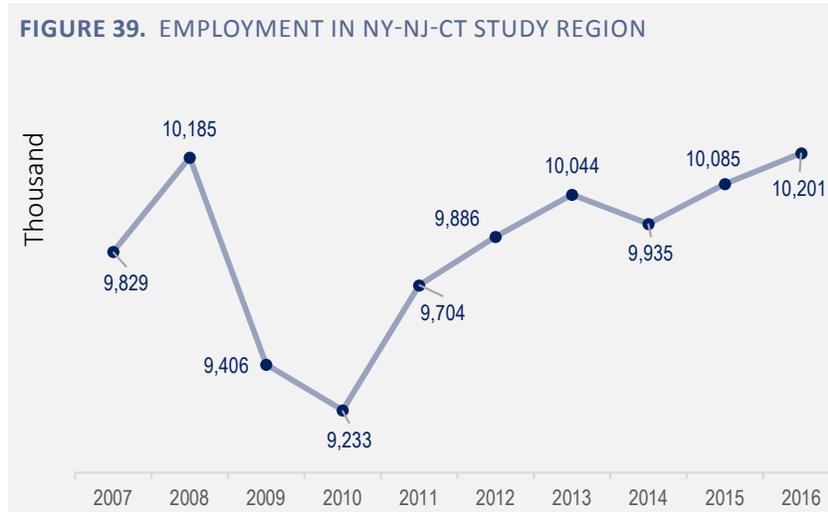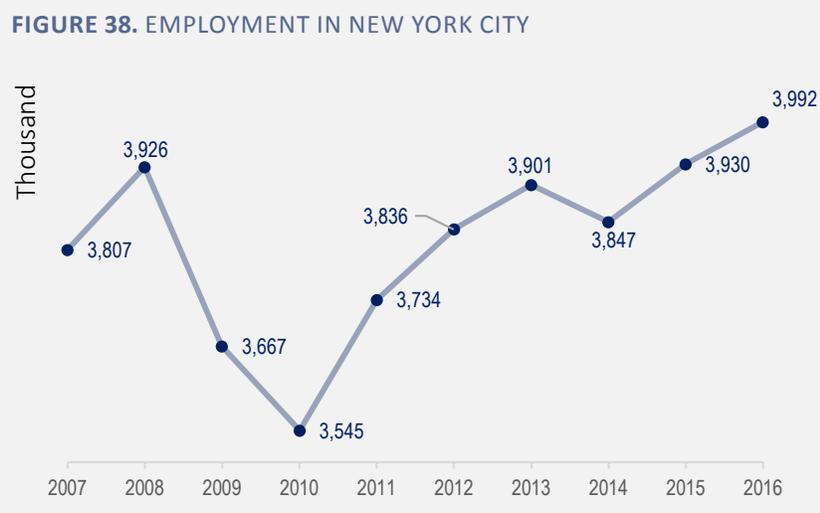
The employment in the study region increased by over 116,000 in 2016. More than 62,000 of this increase occurred in New York City. In the same year, the civil labor force increased by more than 28,000. Most of the increase (more than 25,000) occurred in New York City.

FIGURE 40. CIVIL LABOR FORCE IN NEW YORK CITY
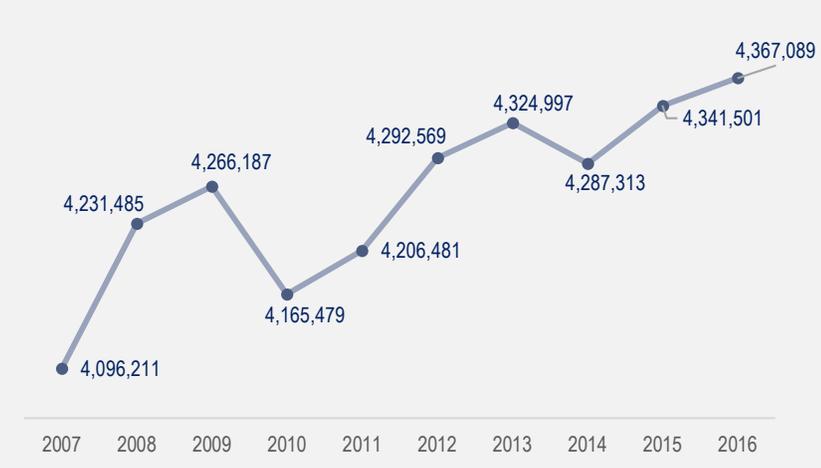
The Civil Labor Force increased by more than **25,000** in NYC in 2016

FIGURE 41. CIVIL LABOR FORCE IN NY-NJ-CT STUDY REGION
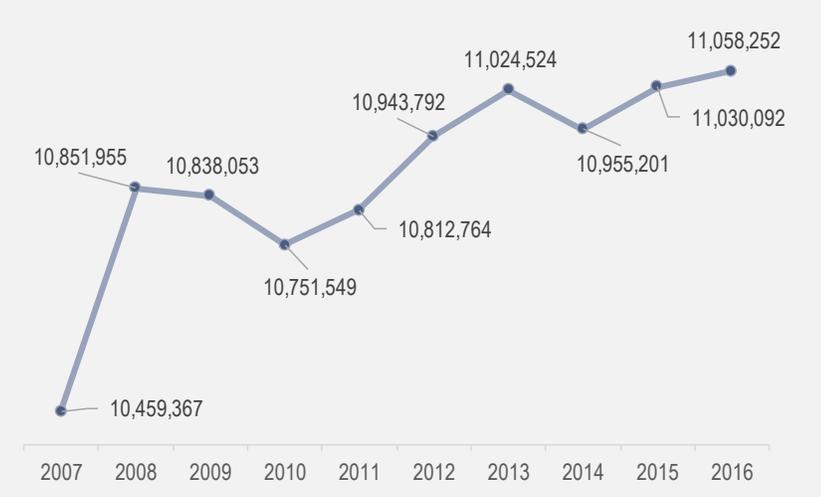
The progress in employment also marked a decrease in unemployment. As Figures 42 and 43 show, the unemployment rate in New York City was continuously higher than both the national and regional levels, reaching 8.6% at 2016. The unemployment rate in the New York Suburban area is much lower than the city, as well as below both national and regional levels in the recent 5 years (Figure 44).

FIGURE 42. UNEMPLOYED CIVIL LABOR FORCE IN NEW YORK CITY
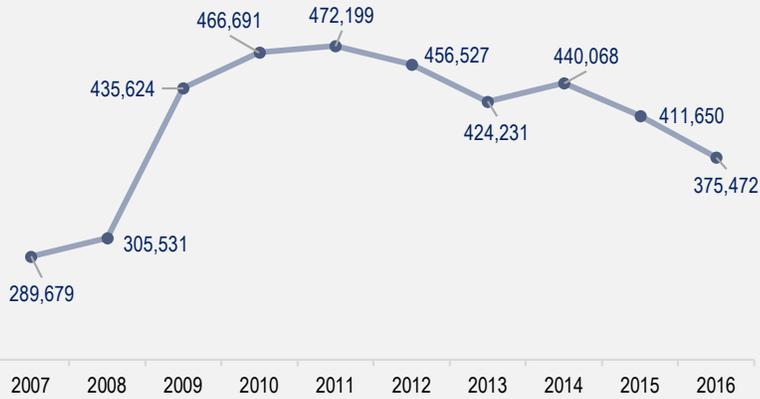
FIGURE 43. UNEMPLOYED CIVIL LABOR FORCE IN NY-NJ-CT REGION

FIGURE 44. UNEMPLOYENT RATE IN NEW YORK

- United States
- Study Region (NY-NJ-CT)
- New York City
- New York Suburban

New York City: 7.1%, 7.2%, 10.2%, 11.2%, 11.2%, 10.6%, 9.8%, 10.3%, 9.5%, 8.6%

New York Suburban: 4.8%, 4.9%, 7.6%, 8.5%, 8.1%, 7.9%, 7.4%, 7.6%, 7.0%, 6.4%

FIGURE 45. UNEMPLOYENT RATE IN NEW JERSEY AND CONNETICUT

- United States
- Study Region (NY-NJ-CT)
- New Jersey
- Connecticut

Connecticut: 6.1%, 6.8%, 9.8%, 10.7%, 10.9%, 10.2%, 9.1%, 9.7%, 8.4%, 8.2%

New Jersey: 5.6%, 5.5%, 9.2%, 10.6%, 10.5%, 9.6%, 8.8%, 9.3%, 7.9%, 7.5%
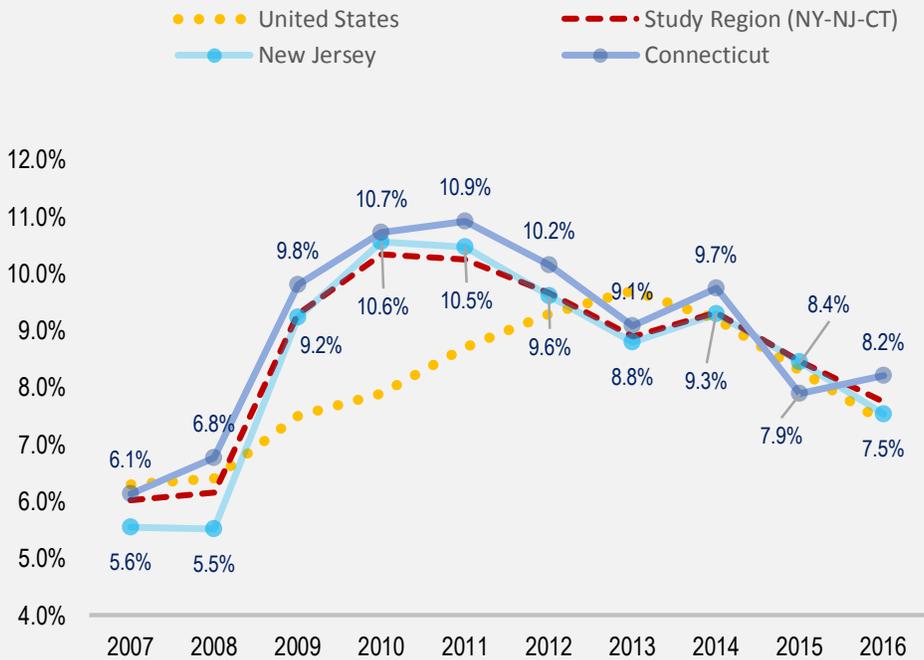
Population

In 2016, there were more than 318 million people living in the United States (Figure 46 A), of which, over 21 million were in the NY-NJ-CT study region (Figure 46 B), and around 8.5 million in the New York City (Figure 47). This represents increases of 0.6%, 0.2% and 0.4% over 2015 nationally, regionally and citywide, respectively. The study region accounts for more than 6 percent of the total United States population.

FIGURE 46 A. POPULATION IN UNITED STATES

Million

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
301.62	304.06	301.46	303.97	306.60	309.14	311.54	314.11	316.52	318.56
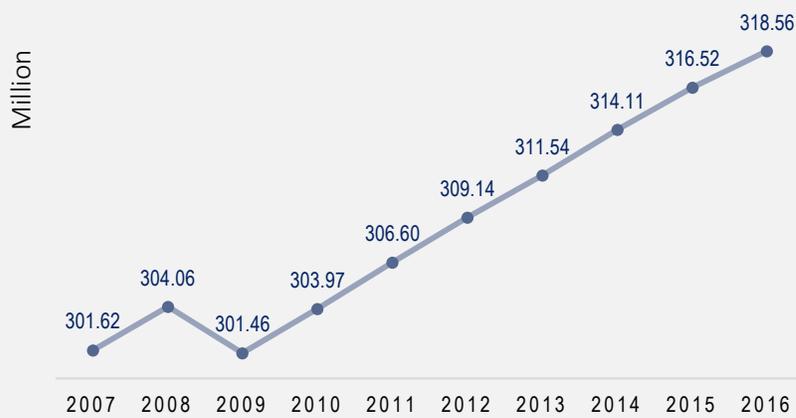
21 million people live in study region

FIGURE 46 B. POPULATION IN NY-NJ-CT STUDY REGION

Thousand

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
20,510	20,699	20,769	20,650	20,752	20,904	21,026	20,938	21,056	21,106

FIGURE 47. POPULATION IN NEW YORK CITY
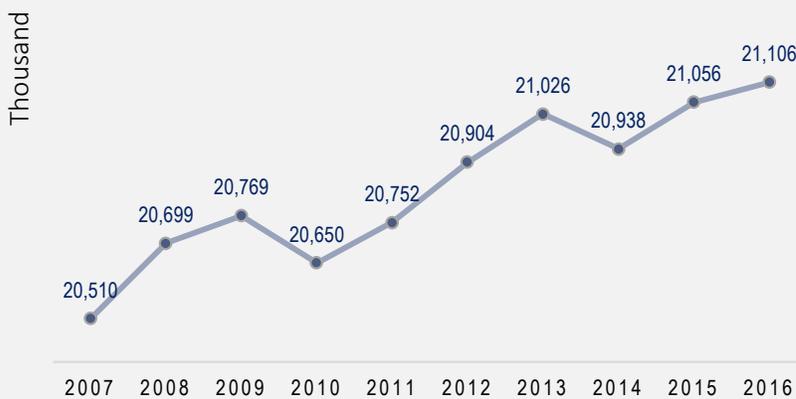
Public School Enrollment

Public school enrollments have decreased in New York City, regionally, and nationally, in the 2015-2016 school year (Figures 48, 49, 50).

In New York City, there was a 1.1% decrease in public school enrollment (Figure 48). During the 2015-2016 school year, more than 4 million students were enrolled in public schools the NY-NJ-CT metropolitan study region (Figure 49).

FIGURE 48. PUBLIC SCHOOL ENROLLMENT IN NEW YORK CITY
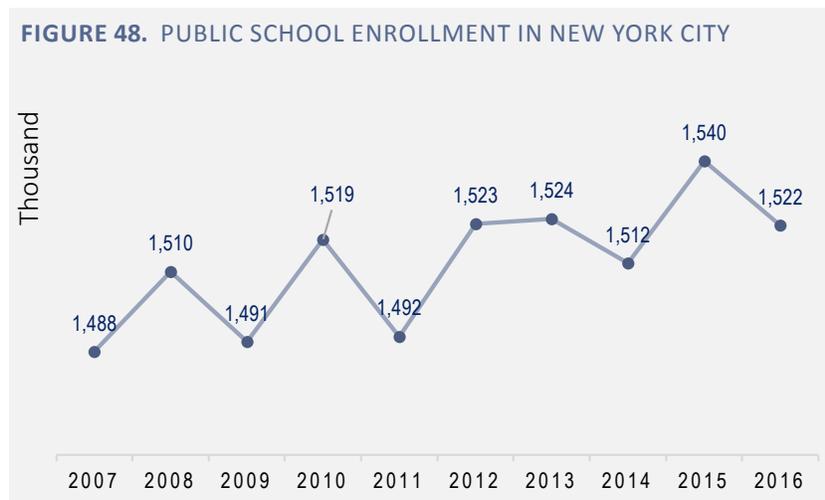
FIGURE 49. PUBLIC SCHOOL ENROLLMENT IN NY-NJ-CT REGION

FIGURE 50. PUBLIC SCHOOL ENROLLMENT IN UNITED STATES
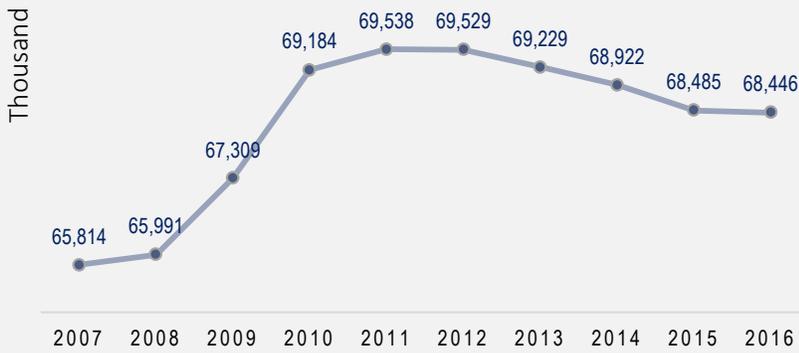
Economic

The Consumer Price Index (CPI) is a measure of the average change in the price of consumer goods over time. It is based on the prices of food, clothing, housing, transportation, medical care, entertainment and other goods and services. The CPI reflects the cost of living, and influences the standard of living in the NY-NJ-CT region. The Consumer Price Index is calculated and published by the Bureau of Economic Analysis. In 2016, the Consumer Price Index for all items consumed by urban consumers (CPI-U) in the New York- North New Jersey-Long Island Area had increases from 0.1 percent in 2015 to 1.1 percent in 2016. Over the same period, the CPI-U for United States urban consumers increased from 0.1 percent in 2015 to 1.3 percent in 2016 (Table F-7, Figure 51).

Inflation

FIGURE 51. ANNUAL INFLATION RATE - ALL URBAN CONSUMERS
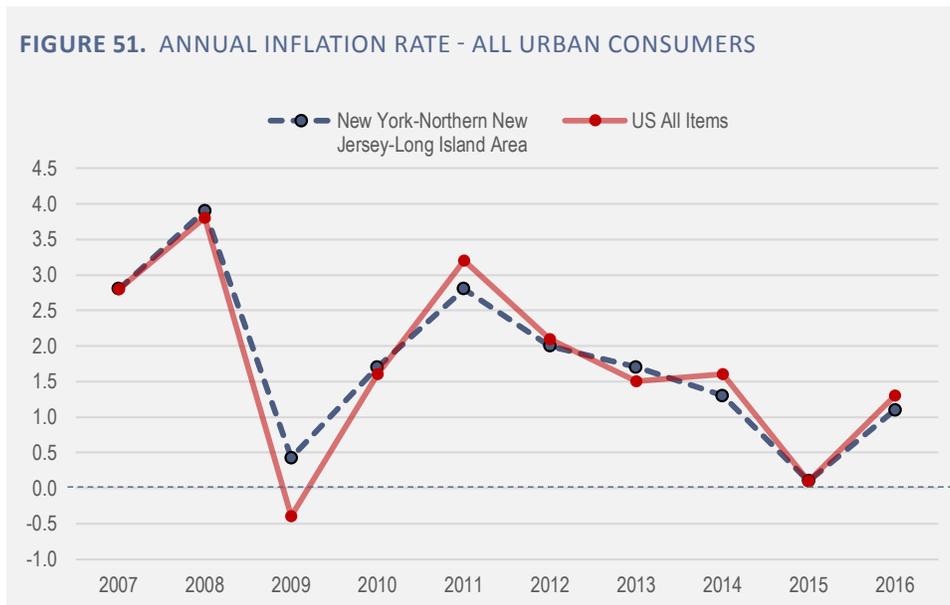
The private transportation inflation rate in 2016 was -2.4 percent, which was an increase of 5.9 percent from the previous year. On the contrary, the number of passenger vehicles in this study region grew to more than 5.3 million, which was an increase of 12.3 percent over 2015 (Figure 52).

FIGURE 52. TRANSPORTATION INFLATION RATE AND PASSENGER VEHICLES
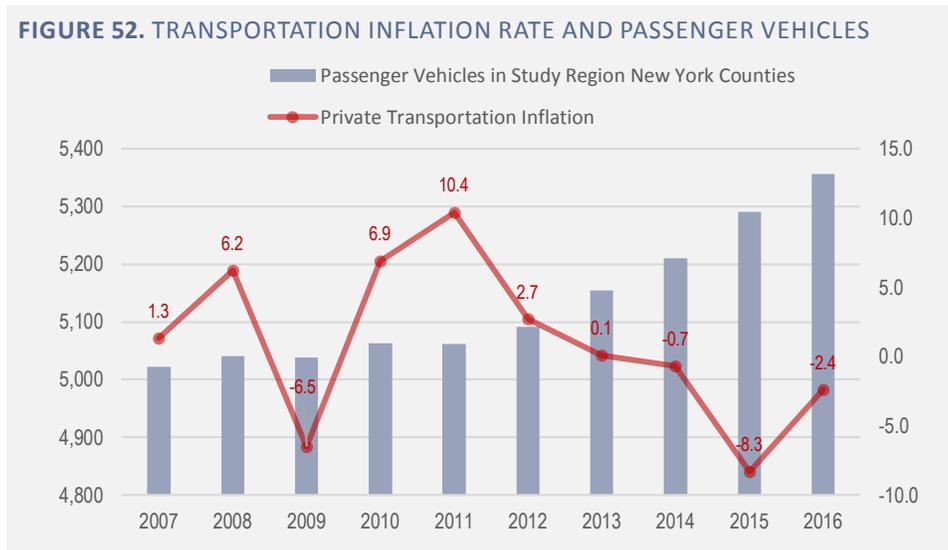
Gross Domestic Product (GDP)

Gross Domestic Product (Figure 53) represents the monetary value of all goods and services within the New York-Newark-Jersey City area over a specified period of time.

Comparing the Gross Domestic Product (GDP) growth rate, inflation rate and unemployment rate, Figure 54 shows that the GDP growth rate was above the inflation rate during the last 5 years, reaching 3.4 percent in 2016. The unemployment rate decreased slightly but was still above the other two rates.

FIGURE 53. GROSS DOMESTIC PRODUCT FOR NEW YORK-NEWARK-JERSEY CITY

Year	GDP
2016	1,657,457
2015	1,602,705
2014	1,537,140
2013	1,478,671
2012	1,440,989
2011	1,365,795
2010	1,340,859
2009	1,277,702
2008	1,259,995
2007	1,272,799
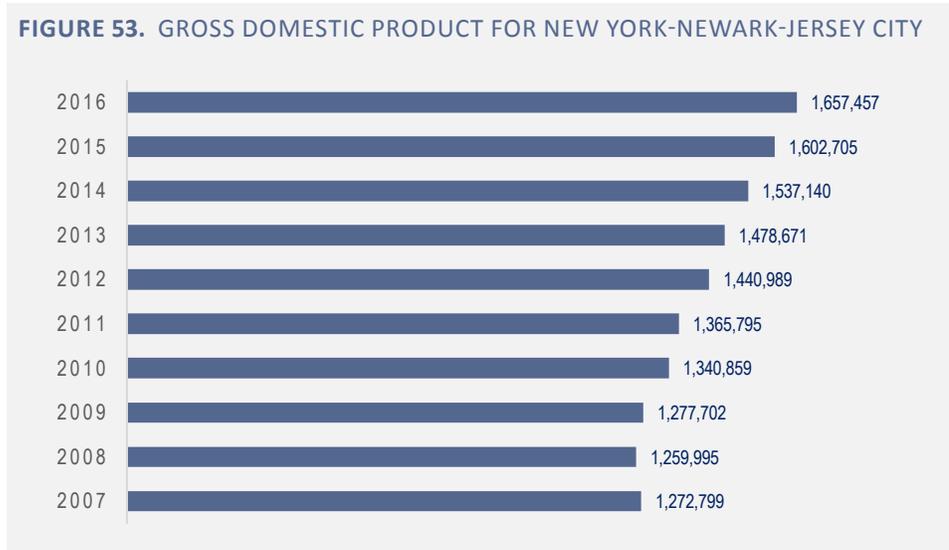
FIGURE 54. GDP GROWTH, INFLATION RATE AND UNEMPLOYMENT RATE
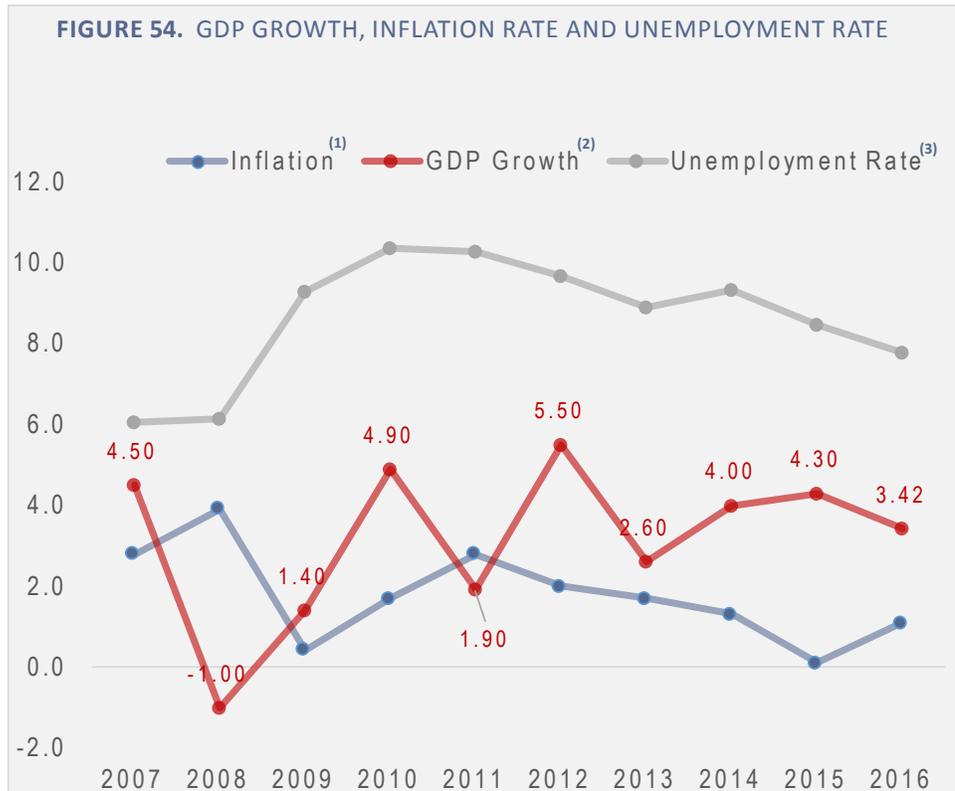
Notes:
(1)   New York - Northern New Jersey - Long Island Area
(2)   New York - Newark - Jersey City Area
(3)   New York - New Jersey - Connecticut Region

A1

Appendix A

PUBLIC TRANSIT

TABLE A-1 ANNUAL PUBLIC UNLINKED TRIPS IN NY-NJ-CT REGION

In Millions

Mode \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
					NY Bus					
MTA NYC Transit	862.6	902.6	842.6	829.2	800.1	805.4	804.2	795.7	776.4	785.1
MTA Bus Company	109.7	121.0	119.9	120.2	118.3	120.9	125.0	125.6	125.4	125.6
New York City Bus Total	**972.3**	**1,023.6**	**962.5**	**949.4**	**918.4**	**926.3**	**929.2**	**921.3**	**901.8**	**910.8**
NICE Bus	32.1	32.7	30.8	30.9	30.3	29.2	28.5	28.4	27.1	26.9
Long Island Remainder	6.7	7.1	6.7	6.6	6.8	6.5	6.3	6.2	5.8	5.2
Westchester	30.9	32.3	31.9	32.3	31.9	32.1	32.5	31.4	29.9	29.4
Mid-Hudson New York	9.0	9.3	8.4	7.9	7.6	7.3	7.1	6.6	6.2	6.0
New York Suburban Bus Total	**78.7**	**81.4**	**77.8**	**77.7**	**76.6**	**75.1**	**74.4**	**72.6**	**69.0**	**67.5**
Total Downstate NY Bus	**1,051.0**	**1,105.0**	**1,040.3**	**1,027.1**	**995.0**	**1,001.4**	**1,003.6**	**993.9**	**970.8**	**978.3**
Percentage to the National Data	**19.6%**	**19.9%**	**19.4%**	**20.0%**	**19.2%**	**18.9%**	**19.1%**	**20.0%**	**18.4%**	**19.1%**
U.S. Bus Transit	**5,375.1**	**5,548.3**	**5,359.3**	**5,139.1**	**5,190.5**	**5,295.5**	**5,267.9**	**4,971.8**	**5,272.8**	**5,133.2**
					NY Rail Rapid Transit					
MTA NYC Transit	2,390.4	2,428.3	2,358.3	2,439.2	2,497.6	2,569.5	2,656.5	2,743.0	2,662.4	2,673.3
MTA Staten Island Railway	7.4	7.7	7.2	7.6	7.6	6.5	7.0	8.3	8.6	8.6
NYC Rapid Rail Transit Total	**2,397.8**	**2,436.0**	**2,365.5**	**2,446.8**	**2,505.2**	**2,576.0**	**2,663.5**	**2,751.3**	**2,671.0**	**2,681.9**
Percentage to the National Data	**61.8%**	**60.9%**	**59.8%**	**61.1%**	**61.3%**	**61.4%**	**62.2%**	**62.3%**	**61.5%**	**61.6%**
U.S. Rail Rapid Transit	**3,878.5**	**3,998.7**	**3,953.9**	**4,006.2**	**4,087.4**	**4,197.5**	**4,281.1**	**4,418.4**	**4,346.3**	**4,352.8**
					NY Suburban Rail					
MTA Metro North	79.7	82.9	79.5	80.7	81.8	82.2	83.3	84.5	85.8	86.3
MTA Long Island Rail Road	102.1	99.6	97.4	98.4	96.5	97.0	99.3	97.9	98.7	103.2
NY Suburban Rail Total	**181.8**	**182.5**	**176.9**	**179.1**	**178.3**	**179.2**	**182.6**	**182.4**	**184.5**	**189.5**
Percentage to the National Data	**39.7%**	**38.7%**	**38.1%**	**38.9%**	**38.7%**	**38.2%**	**38.4%**	**37.5%**	**37.6%**	**37.9%**
U.S. Suburban Rail	**458.0**	**471.3**	**464.0**	**460.0**	**461.3**	**469.1**	**475.5**	**485.8**	**490.8**	**499.5**
					NY Ferries					
Staten Island Ferry	19.0	19.8	21.2	21.5	21.4	22.2	21.4	21.1	21.9	23.1
Private Ferry	9.6	9.2	7.9	8.1	8.4	10.0	9.8	9.7	10.5	11.2
Ferry Total	**28.6**	**29.0**	**29.1**	**29.6**	**29.8**	**32.2**	**31.2**	**30.8**	**32.4**	**34.3**
New York Total	**3,659.2**	**3,752.5**	**3,611.8**	**3,682.6**	**3,708.3**	**3,788.8**	**3,880.9**	**3,958.4**	**3,858.7**	**3,884.0**
					NJ Bus					
New Jersey Transit Bus	167.1	169.3	170.7	162.2	155.7	161.7	161.3	161.2	162.5	159.9
NJ Independents	42.9	41.8	40.3	38.5	38.0	35.9	33.1	32.5	25.6	24.5
New Jersey Bus Total	**210.0**	**211.1**	**211.0**	**200.7**	**193.7**	**197.6**	**194.4**	**193.7**	**188.1**	**184.4**
					NJ Rail Rapid Transit					
PATH	80.6	83.6	80.0	82.9	85.9	79.9	70.6	83.0	85.5	88.3
Light Rail/ Newark City Subway	19.2	21.3	22.3	21.5	20.7	21.8	21.0	22.1	22.5	23.9
NJ Rail Rapid Transit Total	**99.8**	**104.9**	**102.3**	**104.4**	**106.6**	**101.7**	**91.6**	**105.1**	**108.0**	**112.3**
					NJ Suburban Rail					
New Jersey Transit	80.3	84.5	83.6	82.2	79.6	81.4	80.1	85.6	89.3	90.9
NJ Suburban Rail Total	**80.3**	**84.5**	**83.6**	**82.2**	**79.6**	**81.4**	**80.1**	**85.6**	**89.3**	**90.9**
New Jersey Total	**390.1**	**400.5**	**396.9**	**387.3**	**379.9**	**380.7**	**366.1**	**384.4**	**385.4**	**387.5**
					CT Bus					
CT Transit Bus	11.0	11.7	11.9	11.9	12.2	13.1	13.1	13.1	12.8	12.1
CT Private Bus	8.1	8.3	8.5	8.4	8.8	9.2	9.2	9.3	9.1	8.9
Connecticut Total	**19.1**	**20.0**	**20.4**	**20.3**	**21.0**	**22.3**	**22.3**	**22.4**	**21.9**	**21.0**
NY-NJ-CT Region Total	**4,068.4**	**4,173.0**	**4,029.1**	**4,090.2**	**4,109.2**	**4,191.8**	**4,269.3**	**4,365.2**	**4,266.0**	**4,292.5**
Percentage to U.S. Total	**41.6%**	**41.4%**	**39.8%**	**41.9%**	**41.9%**	**41.8%**	**42.3%**	**42.9%**	**41.9%**	**42.7%**
U.S. Total	**9,772.9**	**10,079.9**	**10,134.3**	**9,765.7**	**9,801.5**	**10,027.6**	**10,088.7**	**10,183.1**	**10,181.3**	**10,060.8**

Source: National Transit Database - Federal Transit Administration

TABLE A-2   ANNUAL PUBLIC TRANSIT AVERAGE WEEKDAY UNLINKED TRIPS IN NY-NJ-CT REGION

In Thousands

Mode \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
NY Bus										
MTA NYC Transit	3,080.7	3,223.6	3,009.3	2,961.4	2,857.5	2,876.4	2,872.1	2,841.8	2,772.9	2,804.1
MTA Bus Company	391.8	432.1	428.2	429.3	422.5	431.8	446.4	448.6	447.9	448.6
New York City Bus Total	**3,472.5**	**3,655.7**	**3,437.5**	**3,390.7**	**3,280.0**	**3,308.2**	**3,318.6**	**3,290.4**	**3,220.7**	**3,252.7**
NICE Bus	114.6	116.8	110.0	110.4	108.2	104.3	101.8	101.4	96.8	96.1
Long Island Remainder	23.9	25.4	23.9	23.6	24.3	23.2	22.5	22.1	20.7	18.6
Westchester	110.4	115.4	113.9	115.4	113.9	114.6	116.1	112.1	106.8	105.0
Mid-Hudson New York	32.1	33.3	29.9	28.2	27.1	26.1	25.4	23.6	22.1	21.6
New York Suburban Bus Total	**281.1**	**290.8**	**277.8**	**277.5**	**273.6**	**268.2**	**265.7**	**259.3**	**246.4**	**241.2**
Total Downstate NY Bus	**3,753.6**	**3,946.6**	**3,715.3**	**3,668.2**	**3,553.6**	**3,576.4**	**3,584.3**	**3,549.6**	**3,467.1**	**3,493.9**
NY Rail Rapid Transit										
MTA NYC Transit	8,537.1	8,672.5	8,422.5	8,711.4	8,920.0	9,176.8	9,487.5	9,796.4	9,508.6	9,547.4
MTA Staten Island Railway	26.4	27.5	25.7	27.1	27.1	23.2	25.0	29.6	30.7	30.8
NYC Rapid Rail Transit Total	**8,563.6**	**8,700.0**	**8,448.2**	**8,738.6**	**8,947.1**	**9,200.0**	**9,512.5**	**9,826.1**	**9,539.3**	**9,578.2**
NY Suburban Rail										
MTA Metro North	284.6	296.1	283.9	288.2	292.1	293.6	297.5	301.8	306.4	308.2
MTA Long Island Rail Road	364.6	355.7	347.9	351.4	344.6	346.4	354.6	349.6	352.5	368.6
NY Suburban Rail Total	**649.3**	**651.8**	**631.8**	**639.6**	**636.8**	**640.0**	**652.1**	**651.4**	**658.9**	**676.8**
NY Ferries										
Staten Island Ferry	67.9	70.7	75.7	76.8	76.4	79.3	76.4	75.4	78.2	82.4
Private Ferry	34.3	32.9	28.2	28.9	30.0	35.7	35.0	34.6	37.5	40.0
Ferry Total	**102.1**	**103.6**	**103.9**	**105.7**	**106.4**	**115.0**	**111.4**	**110.0**	**115.7**	**122.4**
New York Total	**13,068.6**	**13,401.9**	**12,899.2**	**13,152.1**	**13,243.9**	**13,531.4**	**13,860.4**	**14,137.1**	**13,781.0**	**13,871.3**
NJ Bus										
New Jersey Transit Bus	596.8	604.6	609.6	579.3	556.1	577.5	576.1	575.7	580.2	571.1
NJ Independents	153.2	149.3	143.9	137.5	135.7	128.2	118.2	116.1	91.6	87.6
New Jersey Bus Total	**750.0**	**753.9**	**753.6**	**716.8**	**691.8**	**705.7**	**694.3**	**691.8**	**671.8**	**658.7**
NJ Rail Rapid Transit										
PATH	287.9	298.6	285.7	296.1	306.8	285.4	252.1	296.4	305.4	315.5
Light Rail/ Newark City Subway	68.6	76.1	79.6	76.8	73.9	77.9	75.0	78.9	80.4	85.4
NJ Rail Rapid Transit Total	**356.4**	**374.6**	**365.4**	**372.9**	**380.7**	**363.2**	**327.1**	**375.4**	**385.7**	**400.9**
NJ Suburban Rail										
New Jersey Transit	286.8	301.8	298.6	293.6	284.3	290.7	286.1	305.7	318.9	324.5
NJ Suburban Rail Total	**286.8**	**301.8**	**298.6**	**293.6**	**284.3**	**290.7**	**286.1**	**305.7**	**318.9**	**324.5**
New Jersey Total	**1,393.2**	**1,430.4**	**1,417.5**	**1,383.2**	**1,356.8**	**1,359.6**	**1,307.5**	**1,372.9**	**1,376.4**	**1,384.1**
CT Bus										
CT Transit Bus	39.3	41.8	42.5	42.5	43.6	46.8	46.8	46.8	45.7	43.2
CT Private Bus	28.9	29.6	30.4	30.0	31.4	32.9	32.9	33.2	32.5	31.8
Connecticut Total	**68.2**	**71.4**	**72.9**	**72.5**	**75.0**	**79.6**	**79.6**	**80.0**	**78.2**	**75.0**
NY-NJ-CT Region Total	**14,530.0**	**14,903.7**	**14,389.6**	**14,607.9**	**14,675.7**	**14,970.7**	**15,247.5**	**15,590.0**	**15,235.6**	**15,330.4**

Source: New York Metropolitan Transportation Council

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TABLE A-3   ANNUAL PUBLIC TRANSIT VEHICLE-MILES TRAVELED

In Millions

Mode \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
NY Bus										
MTA NYC Transit	101.3	102.9	102.7	97.3	95.1	95.1	98.5	97.8	98.7	99.1
MTA Bus Company	26.0	27.2	27.3	26.4	25.9	26.5	26.6	26.8	27.0	27.1
New York City Bus Total	**127.3**	**130.1**	**130.0**	**123.7**	**121.0**	**121.6**	**125.1**	**124.6**	**125.7**	**126.1**
NICE Bus	10.2	10.6	10.8	10.8	10.4	9.5	9.5	9.7	9.6	9.2
Long Island Remainder	7.7	7.8	7.7	7.7	7.7	7.8	7.9	8.3	8.4	8.3
Westchester	8.4	8.5	8.5	8.0	7.7	7.6	7.8	7.8	7.8	7.7
Mid-Hudson New York	8.9	9.0	7.8	7.7	7.4	7.4	7.6	7.6	7.6	7.6
New York Suburban Bus Total	**35.2**	**35.9**	**34.8**	**34.2**	**33.2**	**32.3**	**32.8**	**33.4**	**33.4**	**32.9**
Total Downstate NY Bus	**162.5**	**166.0**	**164.8**	**157.9**	**154.2**	**153.9**	**157.9**	**158.0**	**159.1**	**159.0**
Percentage to the National Data	**8.4%**	**8.4%**	**8.4%**	**8.2%**	**8.3%**	**8.3%**	**8.5%**	**8.5%**	**7.6%**	**7.4%**
U.S. Bus Transit	**1,943**	**1,968**	**1,969**	**1,917**	**1,862**	**1,850**	**1,854**	**1,867**	**2,087**	**2,137**
NY Rail Rapid Transit										
MTA NYC Transit	338.4	347.4	352.5	350.2	342.6	341.6	345.0	345.1	345.4	347.1
MTA Staten Island Railway	2.2	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.6	2.6
NYC Rapid Rail Transit Total	340.6	349.8	354.8	352.5	345.0	344.0	347.4	347.5	348.0	349.7
Percentage to the National Data	**47.2%**	**47.2%**	**46.9%**	**47.7%**	**47.5%**	**47.0%**	**46.0%**	**45.6%**	**44.3%**	**44.2%**
U.S. Rail Rapid Transit	**720.9**	**741.7**	**755.7**	**739.0**	**725.7**	**731.2**	**755.5**	**762.8**	**784.6**	**790.4**
NY Suburban Rail										
MTA Metro North	56.7	59.1	58.8	57.8	58.1	61.2	65.2	68.1	69.7	69.6
MTA Long Island Rail Road	62.7	64.4	65.1	63.8	61.9	62.8	64.8	66.6	67.5	66.8
NY Suburban Rail Total	**119.4**	**123.5**	**123.9**	**121.6**	**120.0**	**124.0**	**130.0**	**134.7**	**137.2**	**136.3**
Percentage to the National Data	**40.2%**	**40.0%**	**39.7%**	**38.6%**	**38.6%**	**39.0%**	**39.7%**	**39.8%**	**40.1%**	**39.6%**
U.S. Suburban Rail	**296.8**	**309.0**	**312.2**	**314.7**	**311.2**	**317.7**	**327.1**	**338.5**	**342.1**	**344.4**
NY Ferries										
Staten Island Ferry	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
New York Total	**622.7**	**639.4**	**643.7**	**632.2**	**619.4**	**622.1**	**635.5**	**640.4**	**644.4**	**645.3**
NJ Bus										
New Jersey Transit Bus	79.0	80.1	80.9	79.2	77.9	78.1	77.5	79.3	79.6	79.7
NJ Independents	42.1	41.4	42.5	39.3	39.6	38.7	38.4	37.8	33.4	33.0
New Jersey Bus Total	**121.1**	**121.5**	**123.4**	**118.5**	**117.5**	**116.8**	**115.9**	**117.1**	**112.9**	**112.7**
NJ Rail Rapid Transit										
PATH	12.2	12.2	12.2	12.2	12.2	10.0	9.9	13.3	13.0	12.9
Light Rail/ Newark City Subway	4.2	4.1	3.9	3.9	3.6	3.6	3.7	3.8	3.7	3.8
NJ Rail Rapid Transit Total	**16.4**	**16.3**	**16.1**	**16.1**	**15.8**	**13.6**	**13.6**	**17.1**	**16.7**	**16.6**
NJ Suburban Rail										
New Jersey Transit	59.1	61.5	59.8	64.3	63.0	62.3	60.8	62.9	63.0	61.4
NJ Suburban Rail Total	59.1	61.5	59.8	64.3	63.0	62.3	60.8	62.9	63.0	61.4
New Jersey Total	**196.6**	**199.3**	**199.3**	**198.9**	**196.3**	**192.7**	**190.3**	**197.1**	**192.6**	**190.7**
CT Bus										
CT Transit Bus	4.6	4.9	5.0	5.1	5.1	5.2	5.1	5.2	5.2	5.2
CT Private Bus	4.2	4.4	4.5	4.7	4.6	4.6	4.5	4.5	4.3	4.4
Connecticut Total	**8.8**	**9.3**	**9.5**	**9.8**	**9.7**	**9.8**	**9.6**	**9.7**	**9.5**	**9.6**
NY-NJ-CT Region Total	**828.1**	**848.0**	**852.5**	**840.9**	**825.4**	**824.6**	**835.4**	**847.2**	**846.5**	**845.7**
Percentage to U.S. Total	**22.0%**	**28.1%**	**35.7%**	**28.2%**	**28.4%**	**28.4%**	**28.4%**	**28.4%**	**26.3%**	**25.8%**
U.S. Total	**3,769**	**3,022**	**2,386**	**2,986**	**2,902**	**2,902**	**2,939**	**2,982**	**3,218**	**3,276**

Source: National Transit Database - Federal Transit Administration

TABLE A-4   ANNUAL PUBLIC TRANSIT PASSENGER-MILES TRAVELED

In Millions

Mode \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
NY Bus										
MTA NYC Transit	1,812.1	1,861.3	1,838.4	1,834.6	1,785.7	1,808.2	1,814.7	1,767.8	1,751.3	1,766.9
MTA Bus Company	298.0	297.2	327.8	360.8	343.5	371.2	370.5	349.7	371.0	369.1
New York City Bus Total	**2,110.1**	**2,158.5**	**2,166.2**	**2,195.4**	**2,129.2**	**2,179.4**	**2,185.2**	**2,117.5**	**2,122.3**	**2,136.0**
NICE Bus	164.5	158.4	151.0	158.5	150.5	143.7	139.5	134.9	151.3	150.1
Long Island Remainder	54.7	44.6	42.5	42.8	50.3	48.0	46.1	41.7	38.0	34.1
Westchester	152.1	148.3	146.9	148.3	136.3	138.6	140.1	153.7	146.2	143.8
Mid-Hudson New York	104.1	111.3	95.1	90.6	86.2	88.6	91.6	90.8	78.0	80.1
New York Suburban Bus Total	**475.4**	**462.6**	**435.5**	**440.2**	**423.3**	**418.9**	**417.3**	**421.1**	**413.5**	**408.1**
Total Downstate NY Bus	**2,585.5**	**2,621.1**	**2,601.7**	**2,635.6**	**2,552.5**	**2,598.3**	**2,602.5**	**2,538.6**	**2,535.8**	**2,544.1**
Percentage to the National Data	**12.6%**	**12.3%**	**12.3%**	**12.8%**	**12.3%**	**12.2%**	**12.2%**	**11.8%**	**12.5%**	**12.4%**
U.S. Bus Transit	**20,543.6**	**21,358.8**	**21,100.0**	**20,569.7**	**20,718.9**	**21,304.1**	**21,413.6**	**21,586.7**	**20,239.3**	**20,565.0**
NY Rail Rapid Transit										
MTA NYC Transit	9,646.8	9,998.1	9,972.8	9,709.8	10,316.7	10,327.2	10,866.0	11,152.7	10,870.5	11,009.0
MTA Staten Island Railway	45.4	45.2	42.6	45.1	44.2	37.7	41.4	52.0	53.6	54.0
NYC Rapid Rail Transit Total	9,692.2	10,043.3	10,015.4	9,754.9	10,360.9	10,364.9	10,907.4	11,204.7	10,924.1	11,063.0
Percentage to the National Data	**53.6%**	**53.1%**	**52.7%**	**52.5%**	**52.9%**	**52.1%**	**53.3%**	**53.6%**	**52.5%**	**52.7%**
U.S. Rail Rapid Transit	**18,068.3**	**18,931.0**	**19,001.2**	**18,579.6**	**19,584.0**	**19,906.4**	**20,463.8**	**20,920.3**	**20,805.1**	**21,010.9**
NY Suburban Rail										
MTA Metro North	2,127.2	2,181.7	2,199.5	1,978.0	2,613.2	2,437.3	2,501.2	2,588.1	2,339.3	2,522.4
MTA Long Island Rail Road	2,257.9	1,872.3	1,954.7	2,217.6	2,087.9	2,083.4	2,161.0	1,917.2	2,220.7	2,154.4
NY Suburban Rail Total	**4,385.1**	**4,054.0**	**4,154.2**	**4,195.6**	**4,701.1**	**4,520.7**	**4,662.2**	**4,505.3**	**4,560.0**	**4,676.8**
Percentage to the National Data	**39.4%**	**36.7%**	**37.3%**	**38.9%**	**41.6%**	**40.7%**	**39.7%**	**38.8%**	**39.0%**	**39.7%**
U.S. Suburban Rail	**11,136.8**	**11,032.0**	**11,129.4**	**10,773.7**	**11,314.2**	**11,120.6**	**11,735.6**	**11,599.8**	**11,687.4**	**11,767.7**
NY Ferries										
Staten Island Ferry	98.8	102.8	107.7	112.4	111.3	115.3	1,113.0	108.7	113.9	119.9
New York Total	**16,761.6**	**16,821.2**	**16,879.0**	**16,698.5**	**17,725.8**	**17,599.2**	**19,285.1**	**18,357.3**	**18,133.7**	**18,403.8**
NJ Bus										
New Jersey Transit Bus	982.8	1,051.7	1,055.7	1,081.9	1,083.5	1,040.4	1,086.0	1,121.9	1,071.3	1,248.6
NJ Independents	917.4	924.4	886.6	836.9	866.6	855.1	913.9	904.5	n/a	667.9
New Jersey Bus Total	**1,900.2**	**1,976.1**	**1,942.3**	**1,918.8**	**1,950.1**	**1,895.5**	**1,999.9**	**2,026.4**	**1,071.3**	**1,916.5**
NJ Rail Rapid Transit										
PATH	351.2	358.3	341.2	351.6	366.6	339.7	296.6	349.9	360.9	370.2
Light Rail/ Newark City Subway	73.9	97.0	105.0	100.9	97.7	97.8	96.8	102.6	105.3	113.7
NJ Rail Rapid Transit Total	**425.1**	**455.3**	**446.2**	**452.5**	**464.3**	**437.5**	**393.4**	**452.5**	**466.2**	**483.9**
NJ Suburban Rail										
New Jersey Transit	2,280.9	2,343.4	2,342.3	2,031.6	1,995.5	1,905.0	2,225.0	2,172.5	2,186.6	2,090.9
NJ Suburban Rail Total	**2,280.9**	**2,343.4**	**2,342.3**	**2,031.6**	**1,995.5**	**1,905.0**	**2,225.0**	**2,172.5**	**2,186.6**	**2,090.9**
New Jersey Total	**4,606.2**	**4,774.8**	**4,730.8**	**4,402.9**	**4,409.9**	**4,238.0**	**4,618.3**	**4,651.4**	**3,724.1**	**4,491.3**
NY-NJ Region Total	**21,367.8**	**21,596.0**	**21,609.8**	**21,101.4**	**22,135.7**	**21,837.2**	**23,903.4**	**23,008.7**	**21,857.8**	**22,895.1**
Percentage to U.S. Total	**42.6%**	**41.8%**	**41.7%**	**41.8%**	**42.6%**	**41.4%**	**44.3%**	**42.2%**	**41.1%**	**42.5%**
U.S. Total	**50,129.5**	**51,712.0**	**51,763.4**	**50,471.1**	**52,006.5**	**52,732.6**	**54,015.3**	**54,521.0**	**53,182.3**	**53,833.0**

Source: National Transit Database - Federal Transit Administration

TABLE A-5 ANNUAL PUBLIC TRANSIT OPERATING REVENUE

In Millions of Dollars

Mode \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
NY Bus										
MTA NYC Transit	835.1	865.0	889.9	907.0	932.0	946.8	991.8	1,061.3	1,023.5	1,026.3
MTA Bus Company	N/A	167.2	171.4	181.1	186.2	187.8	204.4	209.2	213.4	220.4
New York City Bus Total	**835.1**	**1,032.2**	**1,061.4**	**1,088.1**	**1,118.2**	**1,134.6**	**1,196.2**	**1,270.5**	**1,236.9**	**1,246.7**
NICE Bus	42.1	47.3	43.5	45.7	46.9	42.5	44.7	45.1	45.3	46.8
Long Island Remainder	7.6	8.9	7.6	7.5	7.9	9.0	9.2	9.0	8.4	7.9
Westchester	39.1	41.6	42.2	43.2	47.4	47.4	51.0	50.9	50.2	50.3
Mid-Hudson New York	25.7	22.1	26.0	24.8	24.9	26.1	26.9	23.8	22.7	22.8
New York Suburban Bus Total	**114.5**	**119.9**	**119.4**	**121.2**	**127.1**	**125.0**	**131.8**	**128.9**	**126.7**	**127.8**
Total Downstate NY Bus	**949.6**	**1,152.0**	**1,180.7**	**1,209.3**	**1,245.3**	**1,259.6**	**1,328.0**	**1,399.4**	**1,363.7**	**1,374.5**
NY Rail Rapid Transit										
MTA NYC Transit	2,195.0	2,346.0	2,433.8	2,427.9	2,897.2	2,982.6	3,194.5	3,543.7	3,515.3	3,559.1
MTA Staten Island Railway	5.4	6.3	6.4	7.1	7.8	7.9	8.0	14.1	8.3	9.4
NYC Rapid Rail Transit Total	**2,200.4**	**2,352.3**	**2,440.2**	**2,435.0**	**2,905.0**	**2,990.5**	**3,202.5**	**3,557.8**	**3,523.6**	**3,568.4**
NY Suburban Rail										
MTA Metro North	511.1	538.5	542.1	573.4	615.2	638.8	681.0	712.2	702.4	741.1
MTA Long Island Rail Road	512.8	544.6	545.9	557.6	605.9	665.1	692.7	710.1	726.5	745.8
NY Suburban Rail Total	**1,023.9**	**1,083.1**	**1,088.0**	**1,131.0**	**1,221.1**	**1,303.9**	**1,373.7**	**1,422.3**	**1,429.0**	**1,486.8**
NY Ferries										
Staten Island Ferry	n/a	n/a	n/a	0.3	n/a	n/a	n/a	n/a	n/a	n/a
New York Total	**4,173.9**	**4,587.4**	**4,709.0**	**4,775.6**	**5,371.4**	**5,554.0**	**5,904.2**	**6,379.4**	**6,316.3**	**6,429.8**
NJ Bus										
New Jersey Transit Bus	352.8	382.2	401.8	352.1	381.1	397.0	415.7	419.3	385.7	425.5
NJ Independents	208.2	212.6	204.3	202.0	225.6	230.9	225.4	236.2	207.2	214.4
New Jersey Bus Total	**561.0**	**594.8**	**606.1**	**554.1**	**606.7**	**627.9**	**641.1**	**655.5**	**592.9**	**639.9**
NJ Rail Rapid Transit										
PATH	282.5	337.9	267.9	345.8	389.1	389.5	279.8	321.5	255.4	395.3
Light Rail/ Newark City Subway	21.6	25.5	27.2	23.6	24.4	25.5	25.1	25.0	22.8	25.8
NJ Rail Rapid Transit Total	**304.1**	**363.4**	**295.2**	**369.4**	**413.5**	**415.0**	**304.9**	**346.5**	**278.2**	**421.1**
NJ Suburban Rail										
NJ Suburban Rail Total	473.2	517.7	533.7	477.0	539.8	560.5	564.3	599.8	567.4	639.8
New Jersey Total	**1,338.3**	**1,476.0**	**1,435.0**	**1,400.5**	**1,560.0**	**1,603.4**	**1,510.4**	**1,601.8**	**1,438.5**	**1,700.8**
CT Bus										
CT Transit Bus	10.1	10.6	11.2	11.2	11.9	12.9	13.4	13.2	12.6	13.2
CT Private Bus	8.1	8.1	8.8	8.5	9.1	9.3	8.9	9.9	9.4	9.4
Connecticut Total	**18.2**	**18.7**	**19.9**	**19.7**	**21.0**	**22.2**	**22.3**	**23.1**	**22.0**	**22.7**
NY-NJ-CT Region Total	**5,530.4**	**6,082.1**	**6,164.0**	**6,195.8**	**6,952.4**	**7,179.6**	**7,436.9**	**8,004.4**	**7,776.7**	**8,153.2**

Source: National Transit Database - Federal Transit Administration
n/a: Not available

TABLE A-6 ANNUAL PUBLIC TRANSIT PASSENGER REVENUE

In Millions of Dollars

Mode \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
NY Bus										
MTA NYC Transit	772.3	802.3	821.1	838.9	868.2	870.5	941.0	949.9	964.8	966.3
MTA Bus Company	139.3	155.3	160.0	167.9	179.0	181.9	199.2	203.6	210.3	212.5
New York City Bus Total	**911.6**	**957.6**	**981.1**	**1,006.8**	**1,047.2**	**1,052.4**	**1,140.2**	**1,153.5**	**1,175.1**	**1,178.8**
NICE Bus	40.6	42.4	41.7	44.7	46.1	41.9	44.1	44.6	45.1	44.8
Long Island Remainder	7.2	7.5	7.2	7.1	7.5	8.6	9.0	8.8	8.4	7.6
Westchester	39.1	41.6	42.2	43.2	45.8	45.7	48.6	48.6	49.4	48.1
Mid-Hudson New York	25.5	22.0	21.3	20.7	21.2	22.4	22.5	22.1	22.4	22.1
New York Suburban Bus Total	**112.4**	**113.5**	**112.4**	**115.7**	**120.6**	**118.6**	**124.2**	**124.1**	**125.3**	**122.6**
Total Downstate NY Bus	**1,024.0**	**1,071.1**	**1,093.5**	**1,122.5**	**1,167.8**	**1,171.0**	**1,264.4**	**1,277.6**	**1,300.4**	**1,301.4**
Percentage to the National Data	**22.6%**	**22.3%**	**22.3%**	**22.8%**	**22.0%**	**21.3%**	**22.1%**	**22.1%**	**22.1%**	**22.3%**
U.S. Bus Transit	**4,532.6**	**4,793.3**	**4,893.5**	**4,922.5**	**5,304.1**	**5,496.1**	**5,709.1**	**5,784.6**	**5,876.6**	**5,823.3**
NY Rail Rapid Transit										
MTA NYC Transit	2,030.0	2,176.1	2,245.6	2,245.6	2,698.8	2,742.1	3,031.0	3,171.8	3,313.6	3,351.1
MTA Staten Island Railway	5.4	5.8	5.8	6.5	7.2	7.0	7.3	7.6	8.2	8.4
NYC Rapid Rail Transit Total	**2,035.4**	**2,181.9**	**2,251.4**	**2,252.1**	**2,706.0**	**2,749.1**	**3,038.3**	**3,179.4**	**3,321.8**	**3,359.4**
Percentage to the National Data	**55.7%**	**54.4%**	**53.7%**	**53.7%**	**56.1%**	**55.5%**	**55.8%**	**56.4%**	**56.1%**	**56.6%**
U.S. Rail Rapid Transit	**3,654.9**	**4,007.9**	**4,193.5**	**4,193.5**	**4,826.1**	**4,956.9**	**5,448.2**	**5,632.4**	**5,920.6**	**5,939.4**
NY Suburban Rail										
MTA Metro North	476.6	502.6	501.9	526.7	567.5	587.5	619.0	649.8	667.6	694.6
MTA Long Island Rail Road	479.4	506.9	509.3	523.2	571.7	581.4	632.2	660.6	700.7	719.2
NY Suburban Rail Total	**956.0**	**1,009.5**	**1,011.2**	**1,049.9**	**1,139.2**	**1,168.9**	**1,251.2**	**1,310.4**	**1,368.3**	**1,413.9**
Percentage to the National Data	**48.2%**	**46.7%**	**46.5%**	**47.0%**	**46.8%**	**45.8%**	**46.6%**	**46.2%**	**45.8%**	**45.7%**
U.S. Suburban Rail	**1,981.4**	**2,160.5**	**2,176.4**	**2,232.6**	**2,434.2**	**2,550.7**	**2,685.4**	**2,837.3**	**2,984.3**	**3,092.9**
NY Ferries										
Staten Island Ferry	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
New York Total	**4,015.4**	**4,262.5**	**4,356.4**	**4,424.7**	**5,013.0**	**5,089.0**	**5,553.9**	**5,767.4**	**5,990.5**	**6,074.7**
NJ Bus										
New Jersey Transit Bus	285.6	313.4	314.3	315.5	350.2	358.2	362.1	364.2	367.9	386.5
NJ Independents	188.8	193.9	180.2	180.5	189.5	212.7	207.9	212.4	189.8	195.2
New Jersey Bus Total	**474.4**	**507.3**	**494.5**	**496.0**	**539.7**	**570.9**	**570.0**	**576.6**	**557.7**	**581.7**
NJ Rail Rapid Transit										
PATH	92.6	105.5	100.9	104.7	114.7	126.0	141.3	158.0	174.0	178.8
Light Rail/ Newark City Subway	17.5	20.9	21.3	21.1	22.4	23.0	21.9	21.7	21.7	23.5
NJ Rail Rapid Transit Total	**110.1**	**126.4**	**122.2**	**125.8**	**137.1**	**149.0**	**163.2**	**179.7**	**195.7**	**202.3**
NJ Suburban Rail										
NJ Suburban Rail Total	385.4	424.5	417.5	427.4	496.0	505.7	491.5	520.9	541.2	582.2
New Jersey Total	**969.9**	**1,058.2**	**1,034.2**	**1,049.2**	**1,172.8**	**1,225.6**	**1,224.7**	**1,277.2**	**1,294.6**	**1,366.2**
CT Bus										
CT Transit Bus	9.9	10.4	10.9	10.8	11.6	12.6	13.0	12.8	12.5	11.9
CT Private Bus	7.6	7.6	8.1	8.1	8.8	9.0	8.6	9.6	9.3	8.8
Connecticut Total	**17.5**	**18.0**	**19.0**	**18.9**	**20.4**	**21.6**	**21.6**	**22.4**	**21.8**	**20.7**
NY-NJ-CT Region Total	**5,002.8**	**5,338.7**	**5,409.6**	**5,492.8**	**6,206.2**	**6,336.2**	**6,800.2**	**7,067.0**	**7,306.8**	**7,461.6**
Percentage to U.S. Total	**48.6%**	**48.2%**	**47.3%**	**46.8%**	**48.9%**	**48.2%**	**48.7%**	**49.1%**	**48.8%**	**49.6%**
U.S. Total	**10,285.5**	**11,081.0**	**11,446.5**	**11,740.7**	**12,688.4**	**13,136.0**	**13,976.2**	**14,396.8**	**14,976.4**	**15,054.3**

Source: National Transit Database - Federal Transit Administration

TABLE A-7   ANNUAL PUBLIC TANSIT OPERATING EXPENSE

In Millions of Dollars

Mode \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
NY Bus										
MTA NYC Transit	2,092.1	2,290.1	2,289.5	2,290.5	2,406.5	2,501.9	2,753.7	2,892.6	2,948.0	3,122.8
MTA Bus Company	n/a	522.7	506.9	557.1	528.9	525.6	561.9	641.5	642.2	688.5
New York City Bus Total	**2,092.1**	**2,812.8**	**2,796.4**	**2,847.6**	**2,935.4**	**3,027.5**	**3,315.6**	**3,534.1**	**3,590.2**	**3,811.4**
NICE Bus	116.4	126.5	115.6	125.9	130.8	99.9	99.6	104.9	111.4	113.5
Long Island Remainder	37.7	40.9	40.8	41.8	45.3	43.5	45.3	47.8	48.7	48.8
Westchester	108.0	114.5	120.9	115.2	119.0	121.5	125.1	127.9	132.2	128.9
Mid-Hudson New York	44.1	47.3	43.6	43.8	45.1	44.8	46.1	46.9	50.5	43.7
New York Suburban Bus Total	**306.2**	**329.2**	**320.9**	**326.7**	**340.2**	**309.7**	**316.1**	**327.5**	**342.7**	**334.9**
Total Downstate NY Bus	**2,398.3**	**3,142.0**	**3,117.3**	**3,174.3**	**3,275.6**	**3,337.2**	**3,631.7**	**3,861.6**	**3,932.9**	**4,146.2**
Percentage to the National Data	**14.3%**	**17.3%**	**17.0%**	**17.3%**	**17.4%**	**17.3%**	**18.5%**	**18.6%**	**17.9%**	**18.1%**
U.S. Bus Transit	**16,811.9**	**18,177.4**	**18,312.8**	**18,399.2**	**18,806.2**	**19,293.2**	**19,605.2**	**20,707.7**	**21,911.4**	**22,875.3**
NY Rail Rapid Transit										
MTA NYC Transit	3,028.5	3,250.0	3,313.1	3,345.9	3,525.4	3,744.1	4,764.0	5,022.1	5,200.2	5,558.9
MTA Staten Island Railway	32.9	29.4	40.5	35.6	33.1	40.3	43.0	48.3	50.0	63.9
NYC Rapid Rail Transit Total	**3,061.4**	**3,279.4**	**3,353.6**	**3,381.5**	**3,558.5**	**3,784.4**	**4,807.0**	**5,070.4**	**5,250.2**	**5,622.9**
Percentage to the National Data	**43.4%**	**44.4%**	**43.5%**	**43.0%**	**43.8%**	**44.4%**	**48.9%**	**48.4%**	**48.3%**	**48.5%**
U.S. Rail Rapid Transit	**7,051.1**	**7,387.0**	**7,703.8**	**7,868.5**	**8,119.7**	**8,530.7**	**9,838.4**	**10,478.5**	**10,870.0**	**11,585.8**
NY Suburban Rail										
MTA Metro North	803.4	857.4	858.5	888.8	910.5	940.7	1,071.6	1,154.9	1,134.7	1,158.8
MTA Long Island Rail Road	1,034.9	1,057.1	1,104.5	1,074.7	1,069.8	1,163.5	1,219.0	1,303.0	1,290.6	1,309.3
NY Suburban Rail Total	**1,838.3**	**1,914.5**	**1,963.0**	**1,963.5**	**1,980.3**	**2,104.2**	**2,290.6**	**2,457.9**	**2,425.2**	**2,468.1**
Percentage to the National Data	**45.9%**	**44.6%**	**43.3%**	**42.7%**	**42.4%**	**42.7%**	**43.3%**	**43.4%**	**42.3%**	**41.5%**
U.S. Suburban Rail	**4,000.9**	**4,293.8**	**4,537.7**	**4,595.2**	**4,668.8**	**4,928.7**	**5,287.6**	**5,659.7**	**5,734.4**	**5,952.3**
NY Ferries										
Staten Island Ferry	100.1	118.8	126.4	135.5	132.1	139.9	141.0	138.2	138.4	145.0
New York Total	**7,398.1**	**8,454.7**	**8,560.3**	**8,654.8**	**8,946.5**	**9,365.7**	**10,870.3**	**11,528.1**	**11,746.7**	**12,382.2**
NJ Bus										
New Jersey Transit Bus	710.9	749.8	810.6	778.1	780.6	812.3	847.0	873.4	868.2	957.0
NJ Independents	203.4	214.2	193.4	198.0	192.8	199.4	204.5	220.7	203.9	200.5
New Jersey Bus Total	**914.3**	**964.0**	**1,004.0**	**976.1**	**973.4**	**1,011.7**	**1,051.5**	**1,094.1**	**1,072.1**	**1,157.5**
NJ Rail Rapid Transit										
PATH	223.6	223.6	233.0	297.9	316.9	311.9	330.5	391.7	389.3	415.3
Light Rail	107.7	114.6	118.8	114.2	114.2	131.8	134.2	130.4	134.7	131.2
NJ Rail Rapid Transit Total	**331.3**	**338.2**	**351.8**	**412.1**	**431.1**	**443.7**	**464.7**	**522.1**	**524.0**	**546.5**
NJ Suburban Rail										
NJ Suburban Rail Total	748.7	765.1	841.8	838.5	838.9	869.9	917.1	961.8	943.5	1,022.6
New Jersey Total	**1,994.3**	**2,067.3**	**2,197.6**	**2,226.7**	**2,243.4**	**2,325.3**	**2,433.3**	**2,578.0**	**2,539.6**	**2,726.7**
CT Bus										
CT Transit Bus	34.9	37.5	46.3	45.4	50.8	53.7	56.8	57.4	56.3	61.7
CT Private Bus	25.2	27.2	30.4	31.5	32.9	33.7	33.9	35.7	34.8	35.5
Connecticut Total	**60.1**	**64.7**	**76.7**	**76.9**	**83.7**	**87.4**	**90.7**	**93.1**	**91.1**	**97.2**
NY-NJ-CT Region Total	**9,452.5**	**10,586.7**	**10,834.6**	**10,958.4**	**11,273.6**	**11,778.4**	**13,394.3**	**14,199.2**	**14,377.4**	**15,206.1**
Percentage to U.S. Total	**33.2%**	**34.9%**	**34.6%**	**34.7%**	**35.1%**	**35.4%**	**37.7%**	**38.0%**	**36.7%**	**37.0%**
U.S. Total	**28,491.2**	**30,365.2**	**31,287.0**	**31,592.6**	**32,113.0**	**33,299.9**	**35,520.1**	**37,414.4**	**39,156.7**	**41,088.4**

Source: National Transit Database - Federal Transit Administration

A8

TABLE A-8   ANNUAL PUBLIC TRANSPORTATION DEFICITS OR SURPLUS

In Millions of Dollars

Mode \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
NY Bus										
MTA NYC Transit	-1,257.0	-1,425.1	-1,399.6	-1,383.5	-1,474.5	-1,555.1	-1,761.9	-1,831.3	-1,924.4	-2,096.5
MTA Bus Company	n/a	-355.5	-335.5	-376.0	-342.7	-337.8	-357.5	-432.3	-428.8	-468.1
New York City Bus Total	**-1,257.0**	**-1,780.6**	**-1,735.0**	**-1,759.5**	**-1,817.2**	**-1,892.9**	**-2,119.4**	**-2,263.6**	**-2,353.2**	**-2,564.6**
NICE Bus	-74.3	-79.2	-72.1	-80.2	-83.9	-57.4	-54.9	-59.8	-66.1	-66.7
Long Island Remainder	-30.1	-32.0	-33.2	-34.3	-37.4	-34.5	-36.1	-38.8	-40.2	-40.9
Westchester	-68.9	-72.9	-78.7	-72.0	-71.6	-74.1	-74.1	-77.0	-82.0	-78.6
Mid-Hudson New York	-18.4	-25.2	-17.6	-19.0	-20.2	-18.7	-19.2	-23.1	-27.8	-20.8
New York Suburban Bus Total	**-191.7**	**-209.3**	**-201.5**	**-205.5**	**-213.1**	**-184.7**	**-184.3**	**-198.6**	**-216.0**	**-207.0**
Total Downstate NY Bus	**-1,448.7**	**-1,990.0**	**-1,936.6**	**-1,965.0**	**-2,030.3**	**-2,077.6**	**-2,303.7**	**-2,462.2**	**-2,569.2**	**-2,771.7**
NY Rail Rapid Transit										
MTA NYC Transit	-833.5	-904.0	-879.3	-918.0	-628.2	-761.5	-1,569.5	-1,478.4	-1,684.9	-1,999.9
MTA Staten Island Railway	-27.5	-23.1	-34.1	-28.5	-25.3	-32.4	-35.0	-34.2	-41.7	-54.6
NYC Rapid Rail Transit Total	**-861.0**	**-927.1**	**-913.4**	**-946.5**	**-653.5**	**-793.9**	**-1,604.5**	**-1,512.6**	**-1,726.6**	**-2,054.5**
NY Suburban Rail										
MTA Metro North	-292.3	-318.9	-316.4	-315.4	-295.3	-301.9	-390.6	-442.7	-432.2	-417.7
MTA Long Island Rail Road	-522.1	-512.5	-558.6	-517.1	-463.9	-498.4	-526.3	-592.9	-564.0	-563.5
NY Suburban Rail Total	**-814.4**	**-831.4**	**-875.0**	**-832.5**	**-759.2**	**-800.3**	**-916.9**	**-1,035.6**	**-996.3**	**-981.3**
NY Ferries										
Staten Island Ferry	-100.1	-118.8	-126.4	-135.2	-132.1	-139.9	-141.0	-138.2	-138.4	-145.0
New York Total	**-3,224.2**	**-3,867.3**	**-3,851.3**	**-3,879.2**	**-3,575.1**	**-3,811.7**	**-4,966.1**	**-5,148.7**	**-5,430.4**	**-5,952.4**
NJ Bus										
New Jersey Transit Bus	-358.1	-367.6	-408.8	-426.0	-399.5	-415.3	-431.3	-454.1	-482.5	-531.5
NJ Independents	4.8	-1.6	10.9	4.0	32.8	31.5	20.9	15.5	3.3	13.8
New Jersey Bus Total	**-353.3**	**-369.2**	**-397.9**	**-422.0**	**-366.7**	**-383.8**	**-410.4**	**-438.6**	**-479.2**	**-517.6**
NJ Rail Rapid Transit										
PATH	58.9	114.3	34.9	47.9	72.2	77.6	-50.7	-70.2	-133.9	-19.9
Light Rail/ Newark City Subway	-86.1	-89.1	-91.6	-90.6	-89.8	-106.3	-109.1	-105.4	-111.9	-105.5
NJ Rail Rapid Transit Total	**-27.2**	**25.2**	**-56.6**	**-42.7**	**-17.6**	**-28.7**	**-159.8**	**-175.6**	**-245.8**	**-125.4**
NJ Suburban Rail										
NJ Suburban Rail Total	-275.5	-247.4	-308.1	-361.5	-299.1	-309.4	-352.8	-362.0	-376.1	-382.9
New Jersey Total	**-656.0**	**-591.3**	**-762.6**	**-826.2**	**-683.4**	**-721.9**	**-922.9**	**-976.2**	**-1,101.1**	**-1,025.9**
CT Bus										
CT Transit Bus	-24.8	-26.9	-35.1	-34.2	-38.9	-40.8	-43.4	-44.2	-43.7	-48.5
CT Private Bus	-17.1	-19.1	-21.6	-23.0	-23.8	-24.4	-25.0	-25.8	-25.5	-26.1
Connecticut Total	**-41.9**	**-46.0**	**-56.8**	**-57.2**	**-62.7**	**-65.2**	**-68.4**	**-70.0**	**-69.2**	**-74.6**
NY-NJ-CT Region Total	**-3,922.1**	**-4,504.6**	**-4,670.6**	**-4,762.6**	**-4,321.2**	**-4,598.8**	**-5,957.4**	**-6,194.8**	**-6,600.7**	**-7,052.9**

Source: New York Metropolitan Transportation Council
n/a: Not available

Regional Transportation Statistical Report

TABLE A-9 PUBLIC TRANSIT FLEET CHARACTERISTICS

Number of Vehicles Available for Maximum Service

Mode \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
NY Bus										
MTA NYC Transit	4,576	4,560	4,538	4,406	4,344	4,431	4,439	4,365	4,466	4,457
MTA Bus Company	1,354	1,325	1,347	1,245	1,270	1,264	1,273	1,271	1,272	1,283
New York City Bus Total	**5,930**	**5,885**	**5,885**	**5,651**	**5,614**	**5,695**	**5,712**	**5,636**	**5,738**	**5,740**
New York Suburban Bus Total	**1,174**	**1,133**	**1,096**	**1,054**	**1,040**	**1,036**	**1,043**	**978**	**1,035**	**1,039**
Total Downstate NY Bus	**7,104**	**7,018**	**6,981**	**6,705**	**6,654**	**6,731**	**6,755**	**6,614**	**6,773**	**6,779**
NY Rail Rapid Transit										
NYC Rapid Rail Transit Total	**6,452**	**6,474**	**6,380**	**6,438**	**6,345**	**5,406**	**5,363**	**5,386**	**5,428**	**5,426**
NY Suburban Rail										
MTA Metro North	1,105	1,114	1,103	1,101	1,167	1,217	1,297	1,341	1,228	1,206
MTA Long Island Rail Road	1,185	1,185	1,185	1,185	1,186	1,185	1,184	1,185	1,185	1,185
NY Suburban Rail Total	**2,290**	**2,299**	**2,288**	**2,286**	**2,353**	**2,402**	**2,481**	**2,526**	**2,413**	**2,391**
New York Total	**15,846**	**15,791**	**15,649**	**15,429**	**15,352**	**14,539**	**14,599**	**14,526**	**14,614**	**14,596**
NJ Bus										
New Jersey Bus Total	**3,619**	**3,583**	**3,640**	**3,497**	**3,508**	**3,461**	**3,363**	**3,397**	**3,243**	**3,327**
NJ Rail Rapid Transit										
NJ Rail Rapid Transit Total	**419**	**419**	**476**	**468**	**433**	**443**	**443**	**438**	**433**	**443**
NJ Suburban Rail										
NJ Suburban Rail Total	**1,143**	**1,198**	**1,302**	**1,332**	**1,370**	**1,308**	**1,380**	**1,336**	**1,350**	**1,350**
New Jersey Total	**5,181**	**5,200**	**5,418**	**5,297**	**5,311**	**5,212**	**5,186**	**5,171**	**5,026**	**5,120**
NY-NJ-CT Region Total	**21,027**	**20,991**	**21,067**	**20,726**	**20,663**	**19,751**	**19,785**	**19,697**	**19,640**	**19,716**
Total Bus	**10,723**	**10,601**	**10,621**	**10,202**	**10,162**	**10,192**	**10,118**	**10,011**	**10,016**	**10,106**
Total Rail Cars	**10,304**	**10,390**	**10,446**	**10,524**	**10,501**	**9,559**	**9,667**	**9,686**	**9,624**	**9,610**

Source: National Transit Database - Federal Transit Administration

TABLE A-10   REGIONAL BUS AND RAIL EQUIPMENT CHARACTERISTICS 2016

Average Fleet Age

Agencies	Vehicles	Average Age
NY Bus		
MTA NYC Transit	4,457	6.7
MTA Bus Company	1,283	8.0
New York City Bus	**5,740**	**7.0**
NICE Bus	315	5.4
Long Island Remainder	178	8.3
Westchester	329	10.0
Mid-Hudson New York	217	10.0
New York Suburban Bus	**1,039**	**8.3**
Downstate NY Bus	**6,779**	**7.2**
NY Rail Rapid Transit		
MTA NYC Transit	5,365	22.5
MTA Staten Island Railway	61	45.0
NYC Rapid Rail Transit	**5,426**	**22.8**
NY Suburban Rail		
MTA Metro North	1,206	14.7
MTA Long Island Rail Road	1,185	14.7
NY Suburban Rail	**2,391**	**14.7**
NY Ferries		
Staten Island Ferry	5	27.5
NJ Bus		
New Jersey Transit Bus	2,437	8.3
NJ Independents	890	9.2
New Jersey Bus	**3,327**	**8.5**
NJ Rail Rapid Transit		
PATH	350	5.8
Light Rail/ Newark City Subway	93	14.1
NJ Rail Rapid Transit	**443**	**7.5**
NJ Suburban Rail		
New Jersey Transit	**1,350**	**17.6**
CT Bus		
CT Transit Bus	201	8.6
CT Private Bus	176	8.2
CT Bus	**377**	**8.4**

Source: National Transit Database - Federal Transit Administration

TABLE A-11   ANNUAL PUBLIC TRANSIT FAREBOX RECOVERY RATIO

Mode \ Year	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
NY Bus												
MTA NYC Transit	40.4%	40.5%	36.9%	35.0%	35.9%	36.6%	36.1%	34.8%	34.2%	32.8%	32.7%	30.9%
MTA Bus Company	35.3%	n/a	n/a	29.7%	31.6%	30.1%	33.8%	34.6%	35.5%	31.7%	32.7%	30.9%
New York City Bus Total	**39.8%**	**46.0%**	**43.6%**	**34.0%**	**35.1%**	**35.4%**	**35.7%**	**34.8%**	**34.4%**	**32.6%**	**32.7%**	**30.9%**
NICE Bus	36.2%	36.5%	34.9%	33.5%	36.1%	35.5%	35.2%	41.9%	44.3%	42.5%	40.5%	39.5%
Long Island Remainder	18.3%	19.8%	19.1%	18.3%	17.6%	17.0%	16.6%	19.8%	19.9%	18.4%	17.3%	15.6%
Westchester	32.5%	40.2%	36.2%	36.3%	34.9%	37.5%	38.5%	37.6%	38.8%	38.0%	37.4%	37.3%
Mid-Hudson New York	25.5%	56.1%	57.8%	46.5%	48.8%	47.3%	47.0%	50.0%	48.8%	47.1%	44.4%	50.5%
New York Suburban Bus Total	**30.8%**	**38.6%**	**36.7%**	**34.5%**	**35.0%**	**35.4%**	**35.4%**	**38.3%**	**39.3%**	**37.9%**	**36.6%**	**36.6%**
Total Downstate NY Bus	**38.7%**	**45.0%**	**42.7%**	**34.1%**	**35.1%**	**35.4%**	**35.7%**	**35.1%**	**34.8%**	**33.1%**	**33.1%**	**31.4%**
NY Rail Rapid Transit												
MTA NYC Transit	68.3%	71.9%	67.0%	67.0%	67.8%	67.1%	76.6%	73.2%	63.6%	63.2%	63.7%	60.3%
MTA Staten Island Railway	16.8%	18.4%	16.4%	19.7%	14.3%	18.3%	21.8%	17.4%	17.0%	15.7%	16.3%	13.1%
NYC Rapid Rail Transit Total	**67.8%**	**71.4%**	**66.5%**	**66.5%**	**67.1%**	**66.6%**	**76.0%**	**72.6%**	**63.2%**	**62.7%**	**63.3%**	**59.7%**
NY Suburban Rail												
MTA Metro North	61.3%	60.7%	59.3%	58.6%	58.5%	59.3%	62.3%	62.5%	57.8%	56.3%	58.8%	59.9%
MTA Long Island Rail Road	46.8%	46.9%	46.3%	48.0%	46.1%	48.7%	53.4%	50.0%	51.9%	50.7%	54.3%	54.9%
NY Suburban Rail Total	**53.0%**	**52.9%**	**52.0%**	**52.7%**	**51.5%**	**53.5%**	**57.5%**	**55.6%**	**54.6%**	**53.3%**	**56.4%**	**57.3%**
NY Ferries												
Staten Island Ferry	0.4%	0.0%	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
New York Total	**53.3%**	**57.1%**	**54.3%**	**50.4%**	**50.9%**	**51.1%**	**56.0%**	**54.3%**	**51.1%**	**50.0%**	**51.0%**	**49.1%**
NJ Bus												
New Jersey Transit Bus	40.2%	41.0%	40.2%	41.8%	38.8%	40.5%	44.9%	44.1%	42.8%	41.7%	42.4%	40.4%
NJ Independents	94.9%	92.6%	92.8%	90.5%	93.2%	91.2%	98.3%	106.7%	101.7%	96.2%	93.1%	97.3%
New Jersey Bus Total	**52.6%**	**52.7%**	**51.9%**	**52.6%**	**49.3%**	**50.8%**	**55.4%**	**56.4%**	**54.2%**	**52.7%**	**52.0%**	**50.3%**
NJ Rail Rapid Transit												
PATH	46.5%	44.9%	41.4%	47.2%	43.3%	35.1%	36.2%	40.4%	42.8%	40.3%	44.7%	43.1%
Light Rail/ Newark City Subway	33.7%	15.9%	16.2%	18.2%	17.9%	18.5%	19.6%	17.5%	16.3%	16.6%	16.1%	17.9%
NJ Rail Rapid Transit Total	**44.8%**	**35.9%**	**33.2%**	**37.4%**	**34.7%**	**30.5%**	**31.8%**	**33.6%**	**35.1%**	**34.4%**	**37.3%**	**37.0%**
NJ Suburban Rail												
NJ Suburban Rail Total	45.1%	51.3%	51.5%	55.5%	49.6%	51.0%	59.1%	58.1%	53.6%	54.2%	57.4%	56.9%
New Jersey Total	**48.6%**	**49.6%**	**48.6%**	**51.2%**	**47.1%**	**47.1%**	**52.3%**	**52.7%**	**50.3%**	**49.5%**	**51.0%**	**50.1%**
CT Bus												
CT Transit Bus	29.5%	29.8%	28.4%	27.7%	23.5%	23.8%	22.8%	23.5%	22.9%	22.3%	22.2%	19.3%
CT Private Bus	25.4%	31.4%	30.2%	27.9%	26.6%	25.7%	26.7%	26.7%	25.4%	26.9%	26.7%	24.8%
Connecticut Total	**27.5%**	**30.4%**	**29.1%**	**27.8%**	**24.8%**	**24.6%**	**24.4%**	**24.7%**	**23.8%**	**24.1%**	**23.9%**	**21.3%**
NY-NJ-CT Region Total	**52.2%**	**55.3%**	**52.9%**	**50.4%**	**49.9%**	**50.1%**	**55.1%**	**53.8%**	**50.8%**	**49.8%**	**50.8%**	**49.1%**

Source: New York Metropolitan Transportation Council
n/a: Not available

B1

Appendix B

MOTOR VEHICLES
and
RIVER CROSSINGS

TABLE B-1   REGISTERED VEHICLES BY COUNTY

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	241,870	246,190	249,124	248,881	246,748	251,398	254,752	261,610	272,483	284,084
Kings	424,436	436,661	442,925	447,791	448,510	452,775	466,646	481,360	498,282	512,374
New York	249,363	250,915	249,810	249,952	248,410	250,510	251,751	251,822	254,159	256,017
Queens	735,098	747,403	766,984	772,027	752,933	758,587	774,517	793,422	808,122	830,603
Richmond	259,350	263,633	263,522	264,590	264,727	265,122	268,492	269,219	274,275	279,271
New York City	**1,910,117**	**1,944,802**	**1,972,365**	**1,983,241**	**1,961,328**	**1,978,392**	**2,016,158**	**2,057,433**	**2,107,321**	**2,162,349**
Dutchess	243,672	243,530	241,925	240,915	239,426	239,562	239,529	240,315	242,965	245,476
Nassau	966,749	968,902	965,089	972,246	972,968	974,061	987,914	966,701	1,009,891	1,017,835
Orange	286,495	288,324	285,294	284,763	282,809	283,967	285,031	286,763	291,506	294,485
Putnam	90,926	90,808	90,253	90,167	89,648	91,614	89,936	90,458	91,641	92,260
Rockland	210,377	211,399	210,207	210,995	211,312	213,166	214,264	216,192	218,941	220,834
Suffolk	1,210,130	1,212,578	1,205,557	1,212,636	1,213,216	1,222,162	1,235,945	1,246,754	1,265,038	1,277,051
Westchester	650,976	652,721	649,135	650,247	649,406	652,686	657,731	663,392	671,942	676,971
New York Suburban	**3,659,325**	**3,668,262**	**3,647,460**	**3,661,969**	**3,658,785**	**3,677,218**	**3,710,350**	**3,710,575**	**3,791,924**	**3,824,912**
New York Downstate Total	**5,569,442**	**5,613,064**	**5,619,825**	**5,645,210**	**5,620,113**	**5,655,610**	**5,726,508**	**5,768,008**	**5,899,245**	**5,987,261**
Percentage to U.S. Total	**2.4%**	**2.3%**	**2.3%**	**2.2%**	**2.2%**	**2.2%**	**2.2%**	**2.2%**	**2.2%**	**2.2%**
Bergen	768,126	723,582	709,963	717,541	721,117	720,244	722,208	741,600	758,195	765,758
Essex	611,630	553,952	542,941	549,111	546,534	542,912	550,910	564,675	580,167	593,457
Hudson	347,248	310,716	307,448	314,382	317,007	317,376	320,376	328,689	340,433	345,759
Middlesex	698,138	650,693	642,369	651,686	648,425	638,375	648,409	655,796	675,762	681,313
Monmouth	595,167	542,689	536,599	547,516	549,097	543,746	545,668	557,099	571,232	574,036
Morris	470,647	454,993	447,911	457,680	459,598	450,160	464,792	474,692	493,240	479,925
Passaic	464,751	402,749	388,466	370,341	359,977	355,756	360,973	372,558	383,618	388,257
Somerset	296,889	279,790	276,350	280,402	282,235	279,969	281,189	287,430	295,090	297,704
Union	465,534	410,927	403,969	409,487	409,331	404,955	409,599	420,042	431,854	437,857
New Jersey Total	**4,718,130**	**4,330,091**	**4,256,016**	**4,298,146**	**4,293,321**	**4,253,493**	**4,304,124**	**4,402,581**	**4,529,591**	**4,564,066**
Percentage to U.S. Total	**2.0%**	**1.7%**	**1.7%**	**1.7%**	**1.7%**	**1.7%**	**1.7%**	**1.7%**	**1.7%**	**1.7%**
U.S. Total	**233,853,521**	**248,164,738**	**246,282,886**	**254,876,717**	**253,215,681**	**253,639,386**	**255,876,822**	**260,350,938**	**263,610,219**	**268,799,083**

Sources: New York State Department of Motor Vehicles
R.L Polk

TABLE B-2   REGISTERED PASSENGER VEHICLES BY COUNTY

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	225,024	227,231	228,207	227,955	224,051	227,105	229,628	233,854	241,115	247,957
Kings	387,328	394,044	398,696	403,811	404,389	408,007	419,264	429,873	442,691	453,515
New York	225,047	223,700	220,822	221,048	220,511	221,916	223,089	224,995	226,785	227,709
Queens	657,196	661,228	663,487	667,643	668,190	671,816	684,826	696,009	711,553	722,850
Richmond	244,375	245,302	245,651	246,634	247,099	247,692	251,231	253,310	257,320	261,632
New York City	**1,738,970**	**1,751,505**	**1,756,863**	**1,767,091**	**1,764,240**	**1,776,536**	**1,808,038**	**1,838,041**	**1,879,464**	**1,913,663**
Dutchess	210,144	210,139	209,345	209,360	208,538	209,164	209,482	210,336	212,262	215,054
Nassau	899,428	899,843	898,417	904,323	905,108	905,786	918,383	925,198	936,087	943,029
Orange	242,845	244,380	244,020	243,669	242,687	244,303	245,955	247,454	250,922	253,840
Putnam	79,537	79,487	79,090	79,187	78,875	79,229	79,430	79,800	80,536	81,115
Rockland	192,570	193,033	192,411	193,069	193,473	195,026	196,175	197,576	199,390	201,022
Suffolk	1,058,498	1,061,407	1,060,842	1,067,748	1,070,893	1,080,010	1,092,186	1,101,082	1,115,124	1,126,036
Westchester	600,062	600,346	597,420	598,150	597,387	601,162	605,287	610,267	617,180	622,066
New York Suburban	**3,283,084**	**3,288,635**	**3,281,545**	**3,295,506**	**3,296,961**	**3,314,680**	**3,346,898**	**3,371,713**	**3,411,501**	**3,442,162**
New York Downstate Total	**5,022,054**	**5,040,140**	**5,038,408**	**5,062,597**	**5,061,201**	**5,091,216**	**5,154,936**	**5,209,754**	**5,290,965**	**5,355,825**

Source: New York State Department of Motor Vehicles

Table B-3   Passenger Vehicles Registration Per 100 Population

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	16.4	16.3	16.3	16.4	16.1	16.1	16.2	16.5	16.9	17.0
Kings	15.3	15.4	15.5	16.1	16.0	15.9	16.2	16.7	17.1	17.2
New York	13.9	13.7	13.6	13.9	13.8	13.7	13.7	13.9	13.9	13.9
Queens	28.9	28.8	28.8	29.9	29.7	29.6	29.8	30.5	30.9	31.0
Richmond	50.7	50.3	50.0	52.5	52.5	52.6	53.2	53.7	54.5	55.0
New York City	**25.1**	**24.9**	**24.8**	**25.8**	**25.6**	**25.6**	**25.8**	**26.3**	**26.6**	**22.4**
Dutchess	71.8	71.7	71.3	70.4	70.0	70.3	70.6	70.7	71.5	73.0
Nassau	68.8	66.6	66.2	67.4	67.3	67.1	67.9	68.5	69.1	69.3
Orange	64.4	64.4	63.6	65.3	64.7	65.2	65.5	66.1	66.8	66.9
Putnam	79.9	80.1	79.7	79.4	78.9	79.5	79.7	80.0	81.0	82.0
Rockland	65.0	64.7	64.1	61.8	61.4	61.4	61.1	62.1	62.2	61.5
Suffolk	72.8	70.2	69.9	71.4	71.4	72.0	72.8	73.4	74.3	75.4
Westchester	63.1	62.9	62.5	62.9	62.5	62.5	62.5	63.4	63.8	63.8
New York Suburban	**69.4**	**68.7**	**68.2**	**68.4**	**68.0**	**68.3**	**68.6**	**69.2**	**69.8**	**69.8**
New York Downstate Total	**47.2**	**46.8**	**46.5**	**47.1**	**46.8**	**46.9**	**47.2**	**47.7**	**48.2**	**39.8**

Sources: New York State Department of Motor Vehicles
        American Community Survey - US Census Bureau

TABLE B-4 ANNUAL MOTOR VEHICLE REGISTRATIONS IN NEW YORK COUNTIES

County \ Vehicle Type	Passenger	Commercial	Trailer	Motorcycle	Moped	Bus	Taxi	Ambulance	Rental	Farm	County Total
Bronx	247,957	9,151	1,352	4,719	185	514	19,675	283	248	0	284,084
Kings	453,515	16,997	1,964	11,529	715	4,653	21,067	985	947	2	512,374
New York	227,709	10,877	1,084	8,168	381	328	6,923	170	373	4	256,017
Queens	722,850	31,692	4,123	14,042	766	2,035	35,189	246	19,619	41	830,603
Richmond	261,632	5,662	2,241	5,982	125	957	2,343	165	164	0	279,271
New York City	**1,913,663**	**74,379**	**10,764**	**44,440**	**2,172**	**8,487**	**85,197**	**1,849**	**21,351**	**47**	**2,162,349**
Dutchess	215,054	13,549	7,266	8,551	158	198	344	29	214	113	245,476
Nassau	943,029	33,761	12,247	18,451	633	2,015	4,992	281	2,416	10	1,017,835
Orange	253,840	17,600	9,730	10,339	140	870	858	158	511	439	294,485
Putnam	81,115	4,475	2,836	3,495	56	9	206	16	37	15	92,260
Rockland	201,022	8,255	3,795	4,813	131	863	1,295	213	442	5	220,834
Suffolk	1,126,036	72,543	35,299	32,267	1,096	4,093	3,444	250	1,597	426	1,277,051
Westchester	622,066	26,198	7,575	13,800	503	1,442	4,319	182	875	11	676,971
New York Suburban	**3,442,162**	**176,381**	**78,748**	**91,716**	**2,717**	**9,490**	**15,458**	**1,129**	**6,092**	**1,019**	**3,824,912**
Grand Total	**5,355,825**	**250,760**	**89,512**	**136,156**	**4,889**	**17,977**	**100,655**	**2,978**	**27,443**	**1,066**	**5,987,261**

Source: New York State Department of Motor Vehicles

TABLE B-5   MAJOR VEHICULAR RIVER CROSSINGS DAILY TRAFFIC

Bridge \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Kingston-Rhinecliff Bridge	20,986	20,814	20,640	21,611	21,310	21,180	21,088	21,183	21,625	22,518
Mid-Hudson Bridge	38,478	37,636	36,862	38,456	37,814	37,909	37,868	37,852	39,021	40,294
Newburgh-Beacon Bridge	69,998	67,948	64,857	68,930	67,850	67,706	67,908	67,696	68,594	73,526
Bear Mountain Bridge	17,716	17,851	17,096	18,071	18,154	18,880	18,810	19,147	20,374	21,960
Tappan Zee Bridge	137,933	133,289	131,673	134,470	131,605	133,964	136,953	138,548	138,586	145,680
Verrazano-Narrows Bridge	192,827	188,722	187,945	186,568	180,937	193,100	192,033	187,438	198,123	202,523
New York <-> New York	**477,938**	**466,260**	**459,073**	**468,106**	**457,670**	**472,739**	**474,660**	**471,864**	**486,323**	**506,501**
George Washington Bridge	295,650	289,328	285,618	280,720	276,150	276,648	277,645	280,784	295,120	289,827
Lincoln Tunnel	119,678	114,408	110,950	110,760	108,654	113,166	112,162	109,796	113,783	112,995
Holland Tunnel	95,060	92,188	91,006	93,356	90,904	92,743	90,012	87,232	89,367	89,792
New Jersey <-> New York	**510,388**	**495,924**	**487,574**	**484,836**	**475,708**	**482,557**	**479,819**	**477,812**	**498,270**	**492,614**
Hudson River Total	**988,326**	**962,184**	**946,647**	**952,942**	**933,378**	**955,296**	**954,479**	**949,676**	**984,593**	**999,115**
Bayonne Bridge	21,828	20,472	19,252	19,420	19,378	18,755	18,541	15,166	10,840	9,025
Goethals Bridge	77,932	77,092	77,708	78,290	77,688	73,135	72,986	70,419	78,605	82,852
Outerbridge Crossing	85,764	82,600	81,218	81,598	80,100	71,816	66,740	70,033	73,773	77,107
Arthur Kill/ Kill Van Kull Total	**185,524**	**180,164**	**178,178**	**179,308**	**177,166**	**163,706**	**158,267**	**155,618**	**163,218**	**168,984**
Hugh L. Carey Tunnel	49,695	46,299	43,559	44,099	45,398	54,299	55,145	54,007	57,299	54,076
Brooklyn Bridge	130,186	123,781	125,021	123,640	105,820	100,288	102,542	99,986	102,219	105,679
Manhattan Bridge	73,205	70,341	71,936	74,777	85,392	89,087	87,375	84,048	87,046	85,084
Williamsburg Bridge	110,545	106,783	108,194	111,189	103,590	112,696	115,674	111,634	105,206	105,645
Queens-Midtown Tunnel	80,481	78,411	75,897	77,968	78,106	87,937	86,737	86,081	86,217	73,470
Ed Koch Queensboro Bridge	181,365	176,306	180,162	177,695	183,401	178,188	171,556	174,239	174,447	170,277
RFK Bridge (Manhattan)	90,861	85,587	84,117	85,292	82,458	90,956	91,386	91,509	91,724	95,552
RFK Bridge (Bronx Plaza)	80,402	78,088	78,758	79,386	75,142	78,437	79,006	82,084	84,220	83,053
Bronx-Whitestone Bridge	116,155	117,270	116,919	112,467	103,200	105,718	104,511	104,509	109,862	124,337
Throgs Neck Bridge	114,880	110,936	106,986	107,895	110,752	108,858	110,753	112,548	116,658	119,249
East River Total	**1,027,775**	**993,802**	**991,549**	**994,408**	**973,259**	**1,006,464**	**1,004,685**	**1,000,645**	**1,014,898**	**1,016,422**
Willis Ave. Br. (Northbound)	56,552	62,167	58,548	56,934	57,710	62,062	65,216	67,951	63,912	62,293
Third Ave. Br. (Southbound)	48,254	58,510	59,039	60,549	59,603	59,053	60,120	58,447	55,988	55,096
Madison Avenue Bridge	38,953	41,740	43,480	42,966	41,423	41,782	47,046	41,340	40,432	44,338
145th Street Bridge	19,114	23,148	24,364	28,749	27,677	27,918	28,167	28,357	27,097	29,315
Macombs Dam Bridge	35,318	38,897	39,508	39,627	44,311	39,020	38,930	38,417	38,556	38,183
Alexander Hamilton Bridge	192,651	189,598	191,646	192,213	182,174	185,309	188,417	178,809	178,407	177,853
Washington Avenue Bridge	52,567	52,768	52,420	52,014	52,373	57,011	54,031	52,537	54,006	57,647
University Heights Bridge	36,724	39,340	39,165	39,230	43,601	39,641	40,774	37,791	38,513	40,078
Broadway Bridge	33,900	33,266	35,566	37,292	35,770	35,411	35,462	34,239	33,897	36,027
Henry Hudson Bridge	66,075	62,530	61,874	63,173	60,795	60,107	59,807	58,809	62,554	62,648
Harlem River Total	**580,108**	**601,964**	**605,610**	**612,747**	**605,437**	**607,314**	**617,970**	**596,697**	**593,362**	**603,478**
Grand Total	**2,781,733**	**2,738,114**	**2,721,984**	**2,739,405**	**2,689,240**	**2,732,780**	**2,735,401**	**2,702,636**	**2,756,071**	**2,787,999**

Sources: New York City Department of Transportation
Port Authority of New York and New Jersey,
Metropolitan Transportation Authority Bridges and Tunnels
New York State Department of Transportation
Data for Tappan Zee Bridge and Bear Mountain Bridge were collected from the Travel Patterns in the New
York Metropolitan Area Report from NYMTC

TABLE B-6 MAJOR RIVER CROSSING DAILY TRUCK TRAFFIC

Bridge \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Kingston-Rhinecliff Bridge	688	665	596	625	651	616	617	627	647	649
Mid-Hudson Bridge	1,324	1,288	1,172	1,151	1,150	1,108	1,112	1,099	1,135	1,154
Newburgh-Beacon Bridge	9,107	8,279	7,338	7,806	7,644	7,486	7,425	7,272	7,376	7,610
Bear Mountain Bridge	391	388	322	348	381	353	358	332	353	422
Tappan Zee Bridge	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10,194	10,790	n/a
Verrazano-Narrows Bridge	10,568	10,371	9,934	9,985	9,803	9,845	10,241	11,704	12,368	12,652
New York <-> New York	**22,078**	**20,991**	**19,362**	**19,915**	**19,629**	**19,408**	**19,753**	**31,228**	**32,668**	**22,487**
George Washington Bridge	23,862	23,416	21,476	20,622	20,790	19,882	19,774	27,998	31,828	30,192
Lincoln Tunnel	7,890	7,722	6,802	5,702	5,640	5,464	11,660	5,716	7,103	8,523
Holland Tunnel	536	530	470	1,712	1,938	2,156	2,342	2,444	3,924	3,695
New Jersey <-> New York	**32,288**	**31,668**	**28,748**	**28,036**	**28,368**	**27,502**	**33,776**	**36,158**	**42,855**	**42,410**
Hudson River Total	**54,366**	**52,659**	**48,110**	**47,951**	**47,997**	**46,910**	**53,529**	**67,386**	**75,523**	**64,897**
Bayonne Bridge	2,034	1,864	1,732	1,792	1,674	1,560	1,414	1,228	503	500
Goethals Bridge	7,256	7,578	6,904	7,190	7,080	6,716	6,552	6,288	8,733	8,457
Outerbridge Crossing	5,086	4,746	4,398	4,640	4,582	4,658	4,164	4,308	5,159	5,065
Arthur Kill/ Kill Van Kull Total	**14,376**	**14,188**	**13,034**	**13,622**	**13,336**	**12,934**	**12,130**	**11,824**	**14,395**	**14,022**
Hugh L. Carey Tunnel	2,448	2,349	2,085	2,119	2,008	1,818	749	750	773	747
Queens-Midtown Tunnel	5,968	5,788	5,337	5,330	5,394	2,440	2,404	2,409	2,435	2,105
RFK Bridge (Bronx & Manhattan)	11,848	11,774	11,599	11,485	11,226	11,259	11,725	12,427	13,379	13,551
Bronx-Whitestone Bridge	7,898	7,848	7,526	7,191	7,054	7,119	7,160	7,208	7,918	8,926
Throgs Neck Bridge	12,147	11,565	10,393	10,552	10,540	10,387	12,954	13,302	13,929	14,178
East River Total	**40,309**	**39,324**	**36,940**	**36,677**	**36,222**	**33,023**	**34,992**	**36,096**	**38,434**	**39,507**
Grand Total	**109,051**	**106,171**	**98,084**	**98,250**	**97,555**	**92,867**	**100,651**	**115,306**	**128,352**	**118,426**

Sources: New York City Department of Transportation
Port Authority of New York and New Jersey
Metropolitan Transportation Authority Bridges and Tunnels
New York State Department of Transportation

n/a Not available

TABLE B-7 ANNUAL AVERAGE DAILY TRAFFIC VOLUMES FOR NYCDOT MONITORED BRIDGES

Bridge \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Brooklyn	131,551	123,781	125,021	123,640	105,820	100,288	102,542	99,986	102,219	105,679
Manhattan	73,205	70,341	71,963	74,777	85,392	89,087	87,357	84,048	87,046	85,084
Ed Koch Queensboro	181,365	176,306	180,162	177,695	183,401	178,188	171,556	174,239	174,447	170,277
Williamsburg	110,545	106,783	108,194	111,189	103,590	112,696	115,674	111,634	105,206	105,645
East River Bridges Total	**496,666**	**477,211**	**485,340**	**487,301**	**478,203**	**480,259**	**477,129**	**469,907**	**468,918**	**466,685**
Alexander Hamilton	192,651	189,598	191,646	192,213	182,174	185,309	188,417	178,809	178,407	177,853
Broadway	35,523	33,266	35,566	37,292	35,770	35,411	35,462	34,239	33,897	36,027
Macombs Dam	40,749	38,897	39,508	39,627	44,311	39,020	38,930	38,417	38,556	38,183
Madison Avenue	44,663	41,740	43,480	42,966	41,423	41,782	47,046	41,340	40,432	44,338
Third Avenue	59,712	58,510	59,039	60,549	59,603	59,053	60,120	58,447	55,988	55,096
University Heights	41,422	39,340	39,165	39,230	43,601	39,641	40,774	37,791	38,513	40,078
Washington	56,945	52,768	52,420	52,014	52,373	57,011	54,031	52,537	54,006	57,647
Willis Avenue	65,113	62,167	58,548	56,934	57,710	62,062	65,216	67,951	63,912	62,293
145th Street	21,147	23,148	24,364	28,749	27,677	27,918	28,167	28,357	27,097	29,315
Harlem River Bridges Total	**557,925**	**539,434**	**543,736**	**549,574**	**544,642**	**547,207**	**558,163**	**537,888**	**530,808**	**540,830**
Grand Street	12,585	13,031	12,576	12,662	12,320	12,595	13,843	13,662	12,546	10,213
J.J. Byrne Memorial Bridge	27,027	26,926	26,637	26,716	25,709	26,379	25,701	27,836	28,361	31,622
Kosciuszko	186,493	181,783	188,322	190,753	191,624	196,217	191,225	184,025	179,137	162,581
Pulaski	37,221	37,019	36,103	36,981	37,422	36,867	39,076	40,405	40,485	40,722
Brooklyn <-> Queens Total	**263,326**	**258,759**	**263,638**	**267,112**	**267,075**	**272,058**	**269,845**	**265,928**	**260,529**	**245,138**
City Island	15,188	15,955	14,313	15,380	14,480	16,424	16,431	15,915	15,292	14,473
East 174th Street	14,436	14,158	14,130	16,499	15,940	15,534	15,273	16,144	16,556	17,701
Eastchester	21,431	20,842	20,329	25,374	21,292	21,483	21,393	24,071	22,317	21,761
Eastern Boulevard	180,128	174,597	176,800	174,168	175,020	168,451	175,436	176,945	177,999	183,090
Hutchinson River Pky	117,660	121,499	119,285	122,416	115,574	118,000	120,999	121,281	124,390	126,171
Pelham	19,041	19,131	17,521	17,159	16,966	17,668	18,330	18,117	17,241	16,840
Unionport	59,906	62,342	61,700	64,098	61,619	62,845	61,892	62,715	62,410	63,024
Westchester Avenue	25,846	25,789	25,131	25,978	26,287	27,408	26,976	25,204	26,011	24,747
Bronx Bridges Total	**453,636**	**454,313**	**449,209**	**461,072**	**447,178**	**447,813**	**456,730**	**460,392**	**462,216**	**467,807**
Carroll Street	1,116	1,103	956	994	992	1,136	1,072	1,106	1,238	1,142
Cropsey Avenue	36,395	35,881	36,379	37,411	31,643	34,998	34,062	33,373	33,433	35,557
Hamilton Avenue	54,632	52,731	55,577	55,252	54,663	55,797	52,321	54,250	55,266	55,584
Metropolitan Avenue	37,332	38,587	37,557	38,279	38,613	38,262	37,437	39,620	38,191	35,687
Mill Basin	148,802	144,010	144,536	140,800	139,835	136,875	148,084	141,150	141,303	137,226
Ninth Street	11,903	13,362	13,251	12,567	12,404	13,321	12,136	11,020	11,549	10,441
Stillwell Avenue	10,085	10,197	10,302	9,884	7,548	8,827	8,519	8,569	8,917	9,353
Third Avenue	19,410	17,901	17,587	18,088	17,895	17,432	17,630	18,227	18,179	17,754
Third Street	9,937	9,482	10,028	10,390	9,776	10,579	10,611	10,299	11,160	10,467
Union Street	4,343	4,390	4,441	4,319	4,147	5,032	5,036	4,777	4,358	3,910
Brooklyn Bridges Total	**333,955**	**327,644**	**330,614**	**327,984**	**317,516**	**322,259**	**326,908**	**322,391**	**323,594**	**317,121**
Borden Avenue	15,747	15,002	n/a	n/a	8,696	13,396	12,265	13,274	13,615	14,863
Flushing	57,437	56,179	54,941	54,690	52,173	54,518	55,690	52,437	53,778	53,025
Hook Creek	77,759	75,460	75,108	74,064	74,717	76,023	77,868	73,993	75,001	75,716
Hunters Point	7,705	7,165	16,467	15,792	8,722	8,116	8,026	7,960	7,598	8,044
Joseph P. Addabbo	24,433	22,346	24,237	23,882	21,636	23,612	26,630	24,854	25,025	25,874
Little Neck	48,208	45,405	47,695	49,731	45,345	47,735	47,945	47,825	48,337	47,954
Midtown Highway	85,997	84,769	84,048	87,692	84,148	88,184	87,827	87,878	84,989	83,342
Rikers Island	13,496	15,621	15,436	13,186	12,580	12,265	14,065	13,578	13,780	14,817
Roosevelt Avenue	18,975	18,859	17,168	17,268	16,084	17,439	17,994	16,352	17,834	15,964
Roosevelt Island	9,895	10,161	9,454	9,800	9,103	9,516	9,550	8,212	8,583	8,393
Whitestone Expressway	202,410	193,122	198,124	192,092	199,803	204,909	205,790	204,401	208,962	218,227
Queens Bridges Total	**562,062**	**544,089**	**542,678**	**538,197**	**533,007**	**555,713**	**563,650**	**550,764**	**557,502**	**566,219**
Fresh Kills	68,997	64,724	64,490	65,612	60,678	58,026	60,240	59,602	57,538	60,684
Staten Island Bridge Total	**68,997**	**64,724**	**64,490**	**65,612**	**60,678**	**58,026**	**60,240**	**59,602**	**57,538**	**60,684**
Grand Total	**2,736,567**	**2,666,174**	**2,679,705**	**2,696,852**	**2,648,299**	**2,683,335**	**2,712,665**	**2,666,872**	**2,661,105**	**2,664,484**

Source: New York City Department of Transportation

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Appendix C

COMMUTING

TABLE C-1   SHARE OF TOTAL CENTRAL BUSINESS DISTRICT (CBD) ENTRIES BY MODE FOR MORNING PEAK HOUR AND PEAK PERIOD

YEAR	AUTO, TAXI, VAN, TRUCK		PUBLIC TRANS-PORTATION		TOTAL SHARE	
	8-9 AM	7-10 AM	8-9 AM	7-10 AM	8-9 AM	7-10 AM
1960	8.6%	23.1%	32.2%	59.4%	25.3%	48.5%
1963	8.8%	22.7%	31.2%	58.2%	25.1%	48.4%
1973	8.0%	22.2%	31.4%	60.6%	24.3%	48.6%
1974	8.1%	22.8%	31.6%	59.5%	24.8%	48.8%
1975	8.1%	22.4%	30.1%	59.0%	24.3%	48.4%
1976	8.1%	22.2%	31.9%	59.6%	24.5%	47.9%
1977	8.3%	22.9%	32.3%	60.6%	24.8%	48.8%
1978	8.0%	22.5%	30.6%	58.7%	23.5%	47.5%
1979	8.1%	22.4%	30.8%	59.0%	23.8%	47.7%
1980	8.5%	23.1%	31.7%	60.2%	24.6%	48.8%
1981	8.4%	23.4%	31.1%	60.0%	23.9%	48.8%
1982	8.5%	23.4%	30.9%	59.3%	23.7%	47.9%
1983	8.4%	23.5%	30.3%	59.0%	23.2%	47.0%
1984	8.2%	23.1%	31.1%	59.9%	23.3%	47.4%
1985	7.9%	22.2%	30.5%	59.9%	22.6%	46.7%
1986	7.8%	22.1%	27.7%	56.7%	21.0%	45.1%
1987	7.8%	22.0%	26.6%	56.3%	20.2%	44.6%
1988	7.7%	21.6%	26.4%	56.0%	20.1%	44.5%
1989	7.6%	21.6%	27.1%	56.6%	20.8%	45.2%
1990	7.0%	19.9%	25.6%	54.2%	19.4%	42.7%
1991	6.9%	19.8%	25.9%	54.1%	19.6%	42.6%
1992	6.8%	19.5%	25.2%	53.9%	18.9%	42.1%
1993	6.6%	19.2%	24.8%	52.8%	18.7%	41.5%
1994	6.7%	19.5%	24.0%	52.0%	18.3%	41.3%
1995	6.7%	19.3%	23.8%	51.3%	18.1%	40.6%
1996	7.0%	19.9%	23.8%	50.9%	18.2%	40.6%
1997	7.3%	19.9%	23.3%	50.3%	17.6%	39.3%
1998	7.1%	20.0%	22.8%	48.9%	17.2%	38.5%
2000	7.4%	20.2%	22.0%	49.4%	17.0%	39.5%
2001	6.2%	17.9%	21.5%	48.1%	17.1%	39.4%
2002	6.6%	19.3%	21.3%	47.2%	16.8%	38.5%
2003	7.0%	20.2%	21.5%	47.2%	16.7%	38.3%
2004	6.6%	19.5%	20.8%	45.6%	16.2%	37.3%
2005	6.6%	19.0%	19.9%	45.2%	16.1%	37.7%
2006	6.6%	19.1%	19.5%	43.9%	15.8%	36.8%
2007	6.4%	18.8%	20.6%	45.6%	16.8%	38.4%
2008	6.7%	19.2%	20.0%	44.4%	16.7%	38.1%
2009	6.6%	18.9%	19.5%	43.5%	16.0%	36.9%
2010	6.7%	19.7%	19.1%	43.2%	15.7%	36.7%
2011	6.6%	19.0%	19.7%	44.0%	16.3%	37.4%
2012	6.4%	18.7%	19.3%	43.5%	16.0%	37.3%
2013	6.5%	18.5%	19.6%	43.5%	16.3%	37.3%
2014	6.3%	18.3%	19.1%	43.5%	16.0%	37.4%
2015	6.3%	18.2%	18.9%	42.8%	16.0%	37.0%
2016	6.1%	17.8%	19.0%	42.9%	16.0%	37.1%

Source: Hub Bound Travel Data - NYMTC

*   Data for 1999 were lost following the events of 9/11/01

*   Percentages are expressed as Peak Period share of Motor Vehicle Riders to 24 hour Rider count and Peak Period share of Passengers via Public Transportstion to 24 hour Passenger count

TABLE C-2   TOTAL PEOPLE ENTERING THE CBD DURING PEAK HOURS AND CBD EMPLOYMENT

YEAR	24 HOURS	PEAK PERIOD 7-10 AM	PEAK HOUR 8-9 AM	CBD EMPLOYMENT*
1960	3,349,000	1,627,000	848,000	2,007,000
1971	3,179,000	1,574,700	805,300	1,913,000
1976	2,852,300	1,367,300	699,600	1,689,000
1977	2,862,300	1,395,600	708,600	1,673,000
1978	2,870,300	1,360,400	675,700	1,722,000
1979	2,931,000	1,417,200	705,600	1,758,000
1980	3,013,000	1,467,300	739,200	1,777,000
1981	3,074,600	1,489,500	735,300	1,835,000
1982	3,233,400	1,509,500	749,100	1,852,000
1983	3,267,700	1,521,800	751,700	1,876,000
1984	3,274,100	1,551,100	763,300	1,915,000
1985	3,361,600	1,569,600	758,600	1,942,000
1986	3,392,300	1,530,100	713,000	1,964,000
1987	3,415,300	1,524,600	691,200	2,009,000
1988	3,474,500	1,547,400	700,300	1,987,000
1989	3,482,200	1,574,600	724,900	1,989,000
1990	3,321,700	1,418,200	642,800	1,967,000
1991	3,331,600	1,420,300	652,700	1,858,000
1992	3,336,000	1,404,000	629,400	1,810,000
1993	3,330,000	1,380,800	622,000	1,805,000
1994	3,382,500	1,396,200	619,800	1,821,000
1995	3,410,200	1,384,100	616,500	1,828,000
1996	3,455,700	1,403,800	629,600	1,850,000
1997	3,545,460	1,412,700	638,100	1,879,600
1998	3,670,000	1,415,000	630,900	1,940,000
1999	3,790,000	n/a	n/a	2,005,000
2000	3,840,000	1,524,000	661,680	2,152,000
2001	3,471,000	1,367,200	593,500	2,128,000
2002	3,658,919	1,461,540	633,000	1,971,000
2003	3,620,813	1,384,803	602,987	2,010,000
2004	3,682,207	1,372,142	598,138	2,064,000
2005	3,568,742	1,345,676	574,161	2,217,000
2006	3,599,747	1,326,241	569,355	2,241,000
2007	3,739,966	1,459,848	639,984	2,265,000
2008	3,798,984	1,445,679	633,704	2,288,477
2009	3,598,327	1,327,128	575,127	2,275,090
2010	3,688,432	1,352,456	580,733	2,259,803
2011	3,661,557	1,367,959	593,517	1,898,000
2012	3,754,511	1,397,355	600,132	1,910,000
2013	3,816,493	1,422,360	622,269	1,928,000
2014	3,821,297	1,426,496	611,738	1,943,000
2015	3,930,753	1,451,984	625,817	1,954,000
2016	3,909,998	1,448,039	625,878	1,970,000

Sources: NYMTC Estimate: based on Traffic Analysis Zones (TAZ) forecast data interpolated to year 2016.

*   2011-2016 Employment data have been revised due to some changes in estimate's methodology and therefore it may not be comparable with previous years.

n/a -   Not available. Data for 1999 were lost following the events of 9/11/01

TABLE C-3 COMMUTING TO WORK BY MODE

In Percentage

Mode	Year	Bronx	Kings	New York	Queens	Richmond	Dutchess	Nassau	Putnam	Orange	Rockland	Suffolk	Westchester
Drive alone	2007	25.0	20.8	7.1	32.1	53.4	76.9	68.5	78.2	73.1	72.8	79.4	59.9
	2008	26.0	19.3	7.4	32.0	54.2	78.0	68.6	76.3	71.9	71.4	78.8	59.0
	2009	24.3	20.7	7.1	32.6	54.6	76.2	71.5	72.7	71.2	70.9	80.2	60.0
	2010	23.0	19.0	6.7	32.8	56.4	78.6	70.0	n/a	69.9	74.1	79.6	61.0
	2011	22.6	18.7	6.6	31.1	56.2	73.2	70.4	80.1	70.2	70.5	79.5	60.5
	2012	22.6	19.5	6.7	31.9	56.9	76.6	68.2	75.6	73.8	71.3	78.6	59.5
	2013	22.4	17.9	5.5	30.6	55.3	74.6	69.0	73.1	74.8	70.1	80.0	57.4
	2014	22.7	18.9	6.3	31.8	56.5	75.8	69.6	76.0	73.1	71.5	79.3	59.3
	2015	22.5	18.6	6.1	31.6	56.4	75.1	69.2	76.3	74.1	70.7	79.3	58.5
	2016	22.7	18.5	6.0	31.6	56.4	75.6	68.7	74.9	74.4	70.3	79.3	58.0
Carpooled	2007	6.2	5.4	2.6	7.9	8.5	9.0	7.8	9.7	10.3	9.8	8.6	8.2
	2008	6.2	5.4	1.6	7.1	6.9	8.0	7.9	8.0	12.0	9.5	9.1	7.9
	2009	5.6	4.9	2.2	7.0	9.3	9.5	7.3	10.2	12.3	9.9	7.9	7.7
	2010	5.4	4.5	2.0	7.2	8.2	7.8	7.2	n/a	11.6	9.8	8.1	7.1
	2011	5.0	4.4	2.4	5.8	8.7	9.0	6.9	6.5	11.1	11.0	7.5	7.7
	2012	5.4	4.3	2.0	6.2	8.4	7.3	8.4	10.4	10.4	10.8	8.4	6.6
	2013	4.9	4.7	1.7	7.0	8.3	8.7	6.8	11.1	9.9	11.6	7.8	8.4
	2014	4.9	4.5	1.9	6.6	8.3	8.2	7.1	8.8	11.1	10.5	8.0	7.7
	2015	4.7	4.4	1.9	6.4	8.1	8.2	7.1	8.8	10.1	11.0	7.9	7.9
	2016	4.6	4.3	1.8	6.6	7.7	7.8	7.2	9.4	10.0	11.3	8.0	7.8
Public Transportation	2007	57.0	59.9	57.4	50.2	32.4	4.9	16.4	6.1	4.8	8.2	6.1	19.7
	2008	55.3	60.8	57.6	51.5	30.0	4.3	15.8	8.2	5.7	10.1	6.2	22.3
	2009	57.8	59.6	57.5	51.3	31.3	4.1	15.1	8.9	4.7	9.0	6.0	19.7
	2010	59.5	61.2	59.0	50.4	29.2	3.9	15.3	n/a	5.5	7.8	5.8	20.6
	2011	58.0	61.8	59.0	53.0	29.0	4.7	15.5	7.6	4.6	7.5	6.3	19.8
	2012	59.9	60.8	58.7	51.8	29.3	4.4	15.8	7.9	5.0	9.4	6.5	21.2
	2013	59.0	62.2	59.7	52.2	30.8	5.0	17.0	9.4	4.9	8.5	6.3	22.6
	2014	59.3	61.5	59.1	51.9	29.2	4.9	15.8	8.6	5.1	8.6	6.4	21.3
	2015	59.7	61.7	59.2	52.3	29.8	5.0	16.3	8.3	5.1	8.6	6.5	21.8
	2016	60.2	61.8	59.2	52.0	30.1	5.1	16.6	8.5	5.2	8.7	6.4	22.4
Work at Home	2007	2.9	3.5	6.5	2.7	2.4	4.3	3.2	3.7	4.9	4.2	3.4	5.2
	2008	2.9	3.6	6.7	2.6	2.8	4.5	3.7	5.1	4.5	4.4	3.7	4.9
	2009	3.2	4.1	6.1	2.3	1.9	4.8	3.2	4.3	5.0	4.6	3.4	5.3
	2010	2.9	4.7	6.6	2.5	2.2	5.3	3.6	n/a	6.3	4.3	3.5	4.6
	2011	3.6	3.8	6.4	2.3	2.3	6.2	3.8	4.2	5.3	4.7	3.7	4.5
	2012	3.1	3.9	7.5	2.4	2.0	6.0	3.5	4.1	4.5	3.7	3.9	5.0
	2013	3.2	4.1	6.8	2.8	2.5	5.2	3.4	4.8	5.1	4.5	3.6	5.1
	2014	3.3	4.1	6.7	2.5	2.3	5.5	3.6	4.6	4.8	4.4	3.6	4.8
	2015	3.3	3.9	6.8	2.4	2.3	5.5	3.6	4.5	4.9	4.7	3.5	5.0
	2016	3.2	4.1	6.9	2.5	2.5	5.7	3.8	5.2	4.9	4.8	3.6	5.1
Taxicab, Motorcycle	2007	1.9	1.1	5.0	1.0	0.8	0.8	1.0	1.3	2.2	1.7	0.8	1.9
	2008	1.4	1.1	3.8	1.0	0.7	0.5	0.9	1.3	1.2	1.2	0.7	1.3
	2009	1.4	0.9	4.3	0.8	0.9	0.7	0.6	1.0	2.3	1.0	0.9	1.6
	2010	1.3	0.9	3.6	1.1	1.0	0.8	0.8	n/a	1.5	1.0	1.3	2.1
	2011	2.1	1.1	3.8	1.1	0.6	0.8	0.8	1.0	2.1	1.9	1.1	1.6
	2012	1.1	1.1	3.9	1.2	0.5	1.0	0.9	0.8	1.8	1.2	0.9	2.1
	2013	1.4	0.9	3.9	1.0	0.8	0.6	1.0	0.5	1.7	1.5	0.7	1.3
	2014	1.5	1.0	3.7	1.0	0.7	0.8	0.9	0.7	1.7	1.3	1.0	1.6
	2015	1.5	1.0	3.7	1.0	0.7	0.8	0.9	0.6	1.7	1.3	0.9	1.5
	2016	1.4	1.0	3.6	1.0	0.8	0.8	0.9	0.5	1.7	1.5	0.9	1.4

Source: American Community Survey - US Census Bureau

n/a - Not available

TABLE C-4   NUMBER OF VEHICLES IN FAMILY 2016

	0 Vehicle	1 Vehicle	2 Vehicles	3 or More
Bronx	46.9%	35.0%	14.4%	3.8%
Kings	46.9%	37.4%	12.4%	3.2%
New York	72.5%	23.7%	3.1%	0.7%
Queens	30.1%	38.0%	22.4%	9.5%
Richmond	8.6%	27.9%	39.6%	23.9%
New York City	**41.0%**	**32.4%**	**18.4%**	**8.2%**
Dutchess	3.8%	19.7%	40.5%	35.9%
Nassau	3.4%	16.4%	42.4%	37.7%
Orange	5.1%	18.4%	41.0%	35.5%
Putnam	2.7%	13.8%	41.0%	42.5%
Rockland	6.1%	18.1%	41.8%	34.0%
Suffolk	2.2%	13.4%	39.1%	45.3%
Westchester	8.4%	25.6%	39.9%	26.1%
New York Suburbs	**4.5%**	**17.9%**	**40.8%**	**36.7%**

Source: American Community Survey - US Census Bureau

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Appendix D

SAFETY

TABLE D-1 — MOTOR VEHICLE CRASHES RESULTING IN FATALITIES IN NEW YORK COUNTIES

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	28	40	43	48	48	43	49	33	35	47
Kings	94	91	66	75	78	75	83	75	69	50
New York	57	55	46	44	45	42	46	40	29	48
Queens	68	76	83	70	67	73	92	79	74	59
Richmond	17	16	18	24	12	20	11	12	25	17
New York City	**264**	**278**	**256**	**261**	**250**	**253**	**281**	**239**	**232**	**221**
Dutchess	22	17	21	12	27	12	27	21	24	20
Nassau	90	93	83	98	87	87	80	69	92	73
Orange	38	40	35	35	32	36	32	34	26	26
Putnam	14	10	11	3	10	10	5	5	9	4
Rockland	17	16	5	18	17	15	16	16	14	11
Suffolk	157	153	138	130	139	137	140	116	158	121
Westchester	36	48	36	34	31	34	47	26	41	32
New York Suburban	**374**	**377**	**329**	**330**	**343**	**331**	**347**	**287**	**364**	**287**
New York Downstate Total	638	655	585	591	593	584	628	526	596	508
New York State Total	1,220	1,160	1,060	1,119	1,077	1,082	1,109	966	1,045	969
Percentage to State Total	52.3%	56.5%	55.2%	52.8%	55.1%	54.0%	56.6%	54.5%	57.0%	52.4%
U.S. Total	37,435	34,172	30,862	30,196	29,757	30,800	30,202	30,056	32,539	34,439
Percentage to U.S. Total	1.7%	1.9%	1.9%	2.0%	2.0%	1.9%	2.1%	1.8%	1.8%	1.5%

Source: Traffic Safety Statistical Repository - Institute for Traffic Safety Management and Research (ITSMR)

TABLE D-2 TOTAL MOTOR VEHICLE CRASHES IN NEW YORK COUNTIES

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	12,681	11,892	12,367	12,599	10,305	10,265	11,109	10,839	10,094	11,478
Kings	22,682	23,070	23,146	24,079	21,990	20,011	20,732	19,740	17,884	20,987
New York	15,780	14,115	12,790	13,502	14,176	13,149	13,160	11,833	11,448	12,471
Queens	23,291	22,634	22,648	23,306	21,530	20,377	20,774	19,976	18,226	21,673
Richmond	5,076	4,775	4,588	4,857	5,059	5,002	4,628	4,166	3,454	3,866
New York City	**79,510**	**76,486**	**75,539**	**78,343**	**73,060**	**68,804**	**70,403**	**66,554**	**61,106**	**70,475**
Dutchess	6,755	6,635	6,641	6,482	5,985	5,873	6,174	5,798	5,733	5,650
Nassau	34,189	32,357	32,506	33,486	33,927	33,080	33,517	33,176	33,008	32,800
Orange	10,000	9,914	10,472	9,951	9,898	9,084	9,796	9,794	9,619	9,447
Putnam	2,714	2,588	2,483	2,408	2,338	2,220	2,274	2,260	2,240	2,180
Rockland	6,523	6,182	6,275	6,410	6,437	6,211	6,107	6,476	6,755	6,523
Suffolk	31,991	31,239	30,944	27,428	30,477	29,124	30,404	30,897	32,249	32,821
Westchester	16,660	15,419	15,630	15,273	15,250	14,022	14,373	14,210	15,018	15,108
New York Suburban	**108,832**	**104,334**	**104,951**	**101,438**	**104,312**	**99,614**	**102,645**	**102,611**	**104,622**	**104,529**
New York Downstate Total	**188,342**	**180,820**	**180,490**	**179,781**	**177,372**	**168,418**	**173,048**	**169,165**	**165,728**	**175,004**
New York State Total	**323,106**	**316,231**	**314,974**	**315,377**	**307,550**	**294,757**	**304,804**	**299,452**	**294,556**	**301,908**
Percentage to State Total	**58.3%**	**57.2%**	**57.3%**	**57.0%**	**57.7%**	**57.1%**	**56.8%**	**56.5%**	**56.3%**	**58.0%**

Source: Traffic Safety Statistical Repository - Institute for Traffic Safety Management and Research (ITSMR)

TABLE D-3   MOTOR VEHICLE CRASH INJURIES IN NEW YORK COUNTIES

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	8,760	8,259	8,789	9,108	7,248	7,522	8,058	7,800	7,161	8,409
Kings	16,047	16,345	16,501	17,436	16,095	14,780	15,406	14,405	12,703	15,255
New York	10,051	9,105	8,406	8,950	9,298	8,764	8,766	7,519	7,097	8,137
Queens	14,978	14,840	14,878	15,256	13,991	13,423	13,882	13,074	11,793	14,690
Richmond	2,875	2,797	2,660	2,859	3,002	2,978	2,798	2,517	2,073	2,372
New York City	**52,711**	**51,346**	**51,234**	**53,609**	**49,634**	**47,467**	**48,910**	**45,315**	**40,827**	**48,863**
Dutchess	2,236	2,101	2,062	2,151	1,936	2,031	1,999	1,831	1,871	1,835
Nassau	13,590	13,010	13,123	13,086	12,941	12,615	12,464	11,911	11,771	12,357
Orange	3,246	3,152	3,164	3,039	2,857	2,686	2,876	2,679	2,727	2,742
Putnam	849	769	717	712	645	649	646	631	632	672
Rockland	2,410	2,286	2,290	2,300	2,263	2,168	2,073	2,154	2,285	2,262
Suffolk	13,743	13,662	13,277	11,436	12,468	12,075	12,166	12,334	12,150	12,360
Westchester	6,459	5,933	5,984	5,806	5,754	5,392	5,518	5,252	5,544	5,678
New York Suburban	**42,533**	**40,913**	**40,617**	**38,530**	**38,864**	**37,616**	**37,742**	**36,792**	**36,980**	**37,906**
New York Downstate Total	**95,244**	**92,259**	**91,851**	**92,139**	**88,498**	**85,083**	**86,652**	**82,107**	**77,807**	**86,769**
New York State Total	**139,117**	**134,894**	**133,888**	**134,151**	**128,036**	**123,296**	**124,505**	**118,465**	**113,396**	**123,057**
Percentage to State Total	**68.5%**	**68.4%**	**68.6%**	**68.7%**	**69.1%**	**69.0%**	**69.6%**	**69.3%**	**68.6%**	**70.5%**

Source: Traffic Safety Statistical Repository - Institute for Traffic Safety Management and Research (ITSMR)

TABLE D-4   MOTOR VEHICLE CRASH PROPERTY DAMAGE IN DOWNSTATE NEW YORK

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	3,893	3,593	3,535	3,443	3,009	2,700	3,002	3,006	2,898	3,022
Kings	6,541	6,634	6,579	6,568	5,817	5,156	5,243	5,260	5,112	5,682
New York	5,672	4,955	4,338	4,508	4,833	4,343	4,348	4,274	4,322	4,286
Queens	8,245	7,718	7,687	7,980	7,472	6,881	6,800	6,823	6,359	6,924
Richmond	2,184	1,962	1,910	1,974	2,045	2,004	1,819	1,637	1,356	1,477
New York City	**26,535**	**24,862**	**24,049**	**24,473**	**23,176**	**21,084**	**21,212**	**21,000**	**20,047**	**21,391**
Dutchess	4,497	4,517	4,558	4,319	4,022	3,830	4,148	3,946	3,838	3,795
Nassau	20,509	19,254	19,300	20,302	20,899	20,378	20,973	21,196	21,145	20,370
Orange	6,716	6,722	7,273	6,877	7,009	6,362	6,888	7,081	6,866	6,679
Putnam	1,851	1,809	1,755	1,693	1,683	1,561	1,623	1,624	1,599	1,504
Rockland	4,096	3,880	3,980	4,092	4,157	4,028	4,018	4,306	4,456	4,250
Suffolk	18,091	17,424	17,529	15,862	17,870	16,912	18,098	18,447	19,941	20,340
Westchester	10,165	9,438	9,610	9,433	9,465	8,596	8,808	8,932	9,433	9,398
New York Suburban	**65,925**	**63,044**	**64,005**	**62,578**	**65,105**	**61,667**	**64,556**	**65,532**	**67,278**	**66,336**
New York Downstate Total	**92,460**	**87,906**	**88,054**	**87,051**	**88,281**	**82,751**	**85,768**	**86,532**	**87,325**	**87,727**
New York State Total	**182,769**	**180,177**	**180,026**	**180,107**	**178,437**	**170,379**	**179,190**	**180,021**	**180,115**	**177,882**
Percentage to State Total	**50.6%**	**48.8%**	**48.9%**	**48.3%**	**49.5%**	**48.6%**	**47.9%**	**48.1%**	**48.5%**	**49.3%**

Source: Traffic Safety Statistical Repository - Institute for Traffic Safety Management and Research (ITSMR)

TABLE D-5   MOTOR VEHICLE CRASH BY CONTRIBUTING HUMAN FACTORS

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	4,526	4,070	4,395	5,062	4,263	4,423	5,285	5,117	4,605	7,393
Kings	9,600	9,606	9,582	11,035	11,410	11,003	11,958	11,396	9,700	15,454
New York	6,971	6,168	5,243	6,156	7,615	7,350	7,408	6,631	6,378	9,634
Queens	7,456	7,288	7,431	9,409	10,479	10,556	11,256	10,650	9,157	15,246
Richmond	1,905	1,654	1,522	1,880	2,441	2,691	2,560	2,221	1,788	2,674
New York City	**30,458**	**28,786**	**28,173**	**33,542**	**36,208**	**36,023**	**38,467**	**36,015**	**31,628**	**50,401**
Dutchess	4,299	4,325	4,258	4,350	3,985	3,982	4,109	3,907	4,105	5,446
Nassau	25,504	24,338	24,930	27,265	28,312	28,495	28,978	28,454	28,287	33,877
Orange	6,543	6,533	6,941	6,607	6,478	6,118	6,587	6,618	6,879	8,928
Putnam	1,875	1,789	1,733	1,707	1,611	1,609	1,624	1,648	1,716	2,110
Rockland	4,585	4,607	4,709	4,877	4,986	4,915	4,777	5,041	5,356	6,593
Suffolk	22,414	22,309	21,951	18,489	22,500	22,388	23,144	23,409	25,380	35,731
Westchester	9,352	9,009	9,205	9,168	9,662	9,334	9,636	9,589	10,437	14,102
New York Suburban	**74,572**	**72,910**	**73,727**	**72,463**	**77,534**	**76,841**	**78,855**	**78,666**	**82,160**	**106,787**
New York Downstate Total	**105,030**	**101,696**	**101,900**	**106,005**	**113,742**	**112,864**	**117,322**	**114,681**	**113,788**	**157,188**
New York State Total	**189,963**	**188,061**	**189,220**	**194,105**	**198,818**	**196,395**	**203,457**	**200,052**	**200,691**	**272,511**
Percentage to State Total	**55.3%**	**54.1%**	**53.9%**	**54.6%**	**57.2%**	**57.5%**	**57.7%**	**57.3%**	**56.7%**	**57.7%**

Source: Traffic Safety Statistical Repository - Institute for Traffic Safety Management and Research (ITSMR)

TABLE D-6   MOTOR VEHICLE CRASHES BY CONTRIBUTING VEHICULAR FACTORS

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	554	498	495	690	521	483	530	583	520	564
Kings	961	1,089	996	1,078	922	846	941	875	636	731
New York	587	497	434	505	627	537	506	499	457	517
Queens	802	853	784	732	780	749	669	739	627	601
Richmond	164	156	114	168	220	229	221	149	92	103
New York City	**3,068**	**3,093**	**2,823**	**3,173**	**3,070**	**2,844**	**2,867**	**2,845**	**2,332**	**2,516**
Dutchess	231	228	229	213	207	214	207	204	194	208
Nassau	762	693	673	818	863	800	820	755	768	743
Orange	395	369	381	424	359	308	336	331	371	304
Putnam	92	79	77	72	89	88	69	92	68	70
Rockland	216	185	177	206	184	178	183	177	203	198
Suffolk	859	855	876	795	836	849	873	845	857	1,015
Westchester	528	493	476	520	515	500	524	546	454	578
New York Suburban	**3,083**	**2,902**	**2,889**	**3,048**	**3,053**	**2,937**	**3,012**	**2,950**	**2,915**	**3,116**
New York Downstate Total	**6,151**	**5,995**	**5,712**	**6,221**	**6,123**	**5,781**	**5,879**	**5,795**	**5,247**	**5,632**
New York State Total	**10,616**	**10,585**	**10,270**	**11,108**	**10,748**	**10,334**	**10,101**	**10,006**	**9,505**	**9,840**
Percentage to State Total	**57.9%**	**56.6%**	**55.6%**	**56.0%**	**57.0%**	**55.9%**	**58.2%**	**57.9%**	**55.2%**	**57.2%**

Sources: Traffic Safety Statistical Repository - Institute for Traffic Safety Management and Research (ITSMR)

TABLE D-7   MOTOR VEHICLE CRASHES BY CONTRIBUTING ENVIRONMENTAL FACTORS

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	623	510	564	527	515	433	482	554	518	406
Kings	1,149	1,050	1,062	1,120	1,090	892	936	945	713	690
New York	608	541	496	461	623	425	435	459	372	340
Queens	1,211	1,053	1,122	1,113	1,269	1,045	1,027	995	786	748
Richmond	327	309	275	282	400	351	327	263	175	200
New York City	**3,918**	**3,463**	**3,519**	**3,503**	**3,897**	**3,146**	**3,207**	**3,216**	**2,564**	**2,384**
Dutchess	1,844	1,985	1,957	1,725	1,636	1,558	1,699	1,602	1,486	1,375
Nassau	3,651	3,283	3,634	3,190	3,646	3,131	3,103	3,209	3,094	2,249
Orange	2,933	3,054	3,184	2,892	3,016	2,607	2,818	2,885	2,704	2,483
Putnam	783	788	780	691	710	545	675	661	588	524
Rockland	1,289	1,234	1,258	1,265	1,263	1,138	1,120	1,217	1,265	1,114
Suffolk	4,714	4,519	4,757	3,454	4,550	3,906	3,997	4,502	4,695	4,109
Westchester	2,591	2,517	2,575	2,225	2,363	2,136	2,179	2,228	2,339	1,986
New York Suburban	**17,805**	**17,380**	**18,145**	**15,442**	**17,184**	**15,021**	**15,591**	**16,304**	**16,171**	**13,840**
New York Downstate Total	**21,723**	**20,843**	**21,664**	**18,945**	**21,081**	**18,167**	**18,798**	**19,520**	**18,735**	**16,224**
New York State Total	**60,246**	**61,528**	**58,164**	**56,147**	**57,869**	**52,102**	**56,884**	**58,131**	**54,663**	**51,060**
Percentage to State Total	**36.1%**	**33.9%**	**37.2%**	**33.7%**	**36.4%**	**34.9%**	**33.0%**	**33.6%**	**34.3%**	**31.8%**

Sources: Traffic Safety Statistical Repository - Institute for Traffic Safety Management and Research (ITSMR)
        County Crash Summary - Crash contributing factors (Police Reported)

TABLE D-8   VEHICLE CRASHES WITH ALCOHOL INVOLVEMENT

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	192	199	163	180	135	171	187	183	182	242
Kings	332	331	323	340	316	371	350	361	296	386
New York	221	192	159	177	190	214	227	189	149	223
Queens	323	286	302	310	314	341	382	335	328	410
Richmond	82	71	68	77	99	118	96	98	75	92
New York City	**1,150**	**1,079**	**1,015**	**1,084**	**1,054**	**1,215**	**1,242**	**1,166**	**1,030**	**1,353**
Dutchess	226	215	198	172	202	161	165	161	159	190
Nassau	656	644	591	609	571	571	513	563	573	572
Orange	270	257	265	223	231	250	263	248	245	251
Putnam	121	113	80	83	75	97	80	86	81	80
Rockland	165	151	140	147	148	155	147	141	146	151
Suffolk	954	944	909	741	823	803	795	829	866	902
Westchester	404	403	387	351	350	364	336	356	349	419
New York Suburban	**2,796**	**2,727**	**2,570**	**2,326**	**2,400**	**2,401**	**2,299**	**2,384**	**2,419**	**2,565**
New York Downstate Total	**3,946**	**3,806**	**3,585**	**3,410**	**3,454**	**3,616**	**3,541**	**3,550**	**3,449**	**3,918**
New York State Total	**9,026**	**8,722**	**8,439**	**8,108**	**7,934**	**8,138**	**7,857**	**7,849**	**7,464**	**7,591**
Percentage to State Total	**43.7%**	**43.6%**	**42.5%**	**42.1%**	**43.5%**	**44.4%**	**45.1%**	**45.2%**	**46.2%**	**51.6%**

Sources: Traffic Safety Statistical Repository - Institute for Traffic Safety Management and Research (ITSMR)
County Crash Summary - Crash contributing factors (Police Reported)

TABLE D-9   TOTAL PEDESTRIAN FATALITIES

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	13	22	25	27	28	17	38	16	19	29
Kings	53	52	44	39	46	41	45	46	47	32
New York	35	38	35	29	30	32	35	24	20	40
Queens	26	34	47	43	36	37	57	38	36	33
Richmond	8	5	7	11	3	8	8	6	10	7
New York City	**135**	**151**	**158**	**149**	**143**	**135**	**183**	**130**	**132**	**141**
Duchess	2	4	4	1	-	1	3	2	6	2
Nassau	27	27	33	32	19	39	34	22	36	25
Orange	2	5	6	3	5	3	2	5	6	6
Putnam	1	-	4	1	3	2	-	-	1	2
Rockland	3	2	2	4	3	4	3	5	4	4
Suffolk	29	32	29	34	47	41	42	31	53	40
Westchester	7	11	9	5	7	11	12	3	12	11
New York Suburban	**71**	**81**	**87**	**80**	**84**	**101**	**96**	**68**	**118**	**90**
New York Downstate Total	**206**	**232**	**245**	**229**	**227**	**236**	**279**	**198**	**250**	**231**
New York State Total	**272**	**302**	**307**	**311**	**296**	**312**	**344**	**269**	**316**	**320**
Percentage to State Total	**75.7%**	**76.8%**	**79.8%**	**73.6%**	**76.7%**	**75.6%**	**81.1%**	**73.6%**	**79.1%**	**72.2%**

Sources: Traffic Safety Statistical Repository - Institute for Traffic Safety Management and Research (ITSMR)
        County Crash Summary - Crash contributing factors (Police Reported)

TABLE D-10   BICYCLE/VEHICLE CRASH

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	309	317	291	349	253	315	366	388	397	458
Kings	1,065	1,086	1,110	1,477	1,459	1,447	1,545	1,372	1,134	1,600
New York	1,010	970	889	1,085	1,181	1,162	1,209	1,077	1,017	1,214
Queens	468	488	589	696	654	642	739	653	568	797
Richmond	39	48	45	54	66	56	52	60	44	73
New York City	**2,891**	**2,909**	**2,924**	**3,661**	**3,613**	**3,622**	**3,911**	**3,550**	**3,160**	**4,142**
Dutchess	28	37	34	45	38	39	50	29	37	32
Nassau	448	469	453	408	405	394	363	360	348	308
Orange	54	45	48	57	47	49	54	41	49	39
Putnam	1	6	8	7	7	5	4	4	9	6
Rockland	56	63	55	64	39	49	53	60	45	47
Suffolk	447	463	457	381	416	393	379	406	364	347
Westchester	138	108	121	116	106	105	99	98	113	125
New York Suburban	**1,172**	**1,191**	**1,176**	**1,078**	**1,058**	**1,034**	**1,002**	**998**	**965**	**904**
New York Downstate Total	**4,063**	**4,100**	**4,100**	**4,739**	**4,671**	**4,656**	**4,913**	**4,548**	**4,125**	**5,046**
New York State Total	**5,423**	**5,464**	**5,434**	**6,096**	**5,940**	**5,974**	**6,180**	**5,694**	**5,336**	**6,238**
Percentage to State Total	**74.9%**	**75.0%**	**75.5%**	**77.7%**	**78.6%**	**77.9%**	**79.5%**	**79.9%**	**77.3%**	**80.9%**

Sources: Traffic Safety Statistical Repository - Institute for Traffic Safety Management and Research (ITSMR)
County Crash Summary - Crash contributing factors (Police Reported)

TABLE D-11   NUMBER OF FEMALE DRIVERS INVOLVED IN CRASH

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	5,811	5,386	5,831	5,877	4,849	4,680	5,058	4,894	4,506	5,131
Kings	9,768	9,959	9,791	10,208	9,199	8,519	8,516	8,095	7,356	8,425
New York	4,595	4,110	3,778	3,917	3,985	3,654	3,660	3,108	3,118	3,415
Queens	12,067	11,604	11,563	11,961	10,809	10,345	10,495	9,983	9,056	10,493
Richmond	3,205	3,172	2,975	3,131	3,293	3,162	2,963	2,722	2,159	2,416
New York City	**35,446**	**34,231**	**33,938**	**35,094**	**32,135**	**30,360**	**30,692**	**28,802**	**26,195**	**29,880**
Dutchess	4,523	4,402	4,465	4,443	4,044	3,939	4,225	3,868	3,917	3,824
Nassau	25,870	24,927	24,693	25,697	26,135	25,582	25,928	25,051	24,937	25,274
Orange	6,226	6,208	6,552	6,230	6,183	5,702	6,083	6,119	6,035	5,936
Putnam	1,575	1,475	1,465	1,462	1,389	1,365	1,382	1,358	1,347	1,328
Rockland	4,485	4,157	4,217	4,366	4,374	4,227	4,134	4,264	4,446	4,410
Suffolk	23,285	22,867	22,742	20,087	22,139	21,504	22,527	22,575	23,471	24,065
Westchester	11,214	10,476	10,654	10,507	10,462	9,837	9,948	9,731	10,131	10,309
New York Suburban	**77,178**	**74,512**	**74,788**	**72,792**	**74,726**	**72,156**	**74,227**	**72,966**	**74,284**	**75,146**
New York Downstate Total	**112,624**	**108,743**	**108,726**	**107,886**	**106,861**	**102,516**	**104,919**	**101,768**	**100,479**	**105,026**

Sources: Traffic Safety Statistical Repository - Institute for Traffic Safety Management and Research (ITSMR)
County Crash Summary - Crash contributing factors (Police Reported)

TABLE D-12 NUMBER OF MALE DRIVERS INVOLVED IN CRASH

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	14,072	13,067	13,851	13,924	11,373	11,288	12,244	11,796	17,447	12,449
Kings	25,608	25,602	25,629	26,378	24,012	21,469	22,309	21,106	19,357	22,664
New York	18,537	16,447	14,901	15,519	16,253	14,983	15,060	13,507	13,192	14,166
Queens	26,167	25,182	25,020	25,759	23,585	22,359	22,561	21,840	20,005	24,146
Richmond	5,103	4,691	4,427	4,804	4,823	4,871	4,482	3,955	3,400	3,658
New York City	**89,487**	**84,989**	**83,828**	**86,384**	**80,046**	**74,970**	**76,656**	**72,204**	**73,401**	**77,083**
Dutchess	5,732	5,567	5,540	5,302	5,065	4,990	5,053	4,794	4,894	4,887
Nassau	34,194	31,800	32,085	32,715	32,936	32,463	32,710	32,227	32,262	32,319
Orange	8,936	8,631	9,201	8,710	8,508	7,837	8,439	8,510	8,488	8,440
Putnam	2,449	2,358	2,212	2,137	2,053	1,989	2,011	2,042	2,110	2,027
Rockland	6,516	6,237	6,158	6,307	6,391	6,137	5,959	6,507	6,993	6,703
Suffolk	31,237	30,223	29,679	26,161	29,408	28,288	29,183	29,730	31,158	31,728
Westchester	15,732	14,246	14,302	14,022	14,016	13,008	13,480	13,280	14,562	14,589
New York Suburban	**104,796**	**99,062**	**99,177**	**95,354**	**98,377**	**94,712**	**96,835**	**97,090**	**100,467**	**100,693**
New York Downstate Total	**194,283**	**184,051**	**183,005**	**181,738**	**178,423**	**169,682**	**173,491**	**169,294**	**173,868**	**177,776**

Sources: Traffic Safety Statistical Repository - Institute for Traffic Safety Management and Research (ITSMR)
County Crash Summary - Crash contributing factors (Police Reported)

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Appendix E

AIRPORTS

TABLE E-1   ANNUAL MAJOR AIRPORT ACTIVITY

In Thousands

Airport \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
John F. Kennedy										
Revenue Passengers	47,718	47,803	45,878	46,521	47,644	49,274	50,450	53,218	56,827	59,106
Aircraft Flights	434	430	408	389	401	392	397	412	427	440
Cargo Tonnage (Short Tons)	1,657	1,475	1,162	1,394	1,383	1,319	1,321	1,344	1,330	1,315
LaGuardia										
Revenue Passengers	25,026	23,073	22,153	23,983	24,123	25,708	26,681	26,972	28,438	29,787
Aircraft Flights	378	368	346	352	357	361	362	352	351	357
Cargo Tonnage (Short Tons)	10	9	7	8	7	7	7	7	8	8
Newark Liberty										
Revenue Passengers	36,367	35,361	33,360	33,194	33,698	33,984	35,016	35,611	37,495	40,563
Aircraft Flights	421	421	400	398	399	403	402	385	400	422
Cargo Tonnage (Short Tons)	954	870	762	861	812	743	663	667	705	747
Long Island MacArthur										
Revenue Passengers	2,372	2,098	1,898	1,746	1,582	1,356	1,222	1,310	1,223	1,192
Aircraft Flights	180	179	160	153	141	148	107	117	114	124
Cargo Tonnage (Short Tons)	3	n/a	1	1	1	0	1	0	0	1
Stewart										
Revenue Passengers	914	789	390	395	414	365	321	309	282	275
Aircraft Flights	16	14	8	8	8	9	8	7	7	6
Cargo Tonnage (Short Tons)	18	18	11	13	16	19	18	15	15	19
Westchester County										
Revenue Passengers	1,650	902	963	995	955	1,751	1,438	1,443	1,460	1,469
Aircraft Flights	177	38	35	36	34	32	27	25	23	23
Total Revenue Passengers	114,047	110,026	104,642	106,834	108,415	112,438	115,127	118,863	125,725	132,392
Total Aircraft Flights	1,606	1,450	1,357	1,335	1,339	1,345	1,302	1,298	1,321	1,373
Total Cargo Tonnage	2,642	2,371	1,943	2,276	2,220	2,089	2,009	2,034	2,058	2,089

Sources: Port Authority of New York and New Jersey
          Westchester County Airport
          Town of Islip
n/a - Not available

E2

Appendix F

SOCIOECONOMIC
and
DEMOGRAPHIC
DATA

TABLE F-1   EMPLOYMENT FOR NY-NJ-CT REGION

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	543,532	570,743	518,964	506,861	534,369	541,891	550,661	548,477	563,903	575,974
Kings	1,083,353	1,120,268	1,056,594	1,039,166	1,092,754	1,132,538	1,163,409	1,138,762	1,167,448	1,192,489
New York	866,787	874,617	837,540	814,118	844,764	867,170	878,397	868,961	884,457	892,817
Queens	1,097,018	1,133,191	1,053,874	1,000,743	1,056,776	1,086,224	1,098,023	1,083,846	1,104,930	1,120,583
Richmond	215,842	227,135	200,512	184,471	205,619	208,219	210,276	207,199	209,113	209,754
New York City	**3,806,532**	**3,925,954**	**3,667,484**	**3,545,359**	**3,734,282**	**3,836,042**	**3,900,766**	**3,847,245**	**3,929,851**	**3,991,617**
Dutchess	144,031	145,217	130,177	134,633	139,573	143,221	146,654	143,344	143,829	144,239
Nassau	636,678	684,041	630,222	609,803	643,726	654,409	661,194	656,248	666,184	672,155
Orange	178,326	187,723	166,587	155,221	169,154	168,952	173,724	170,479	171,651	172,106
Putnam	47,943	54,711	44,416	43,026	50,801	50,868	53,348	50,404	51,412	51,246
Rockland	137,538	146,179	133,297	133,208	142,671	143,217	146,028	144,787	146,049	147,646
Suffolk	712,124	764,721	695,088	679,981	722,042	724,626	734,458	731,119	735,010	737,128
Westchester	463,114	469,567	437,775	439,337	446,547	454,327	470,180	461,126	465,097	470,856
New York Suburban	**2,319,754**	**2,452,159**	**2,237,562**	**2,195,209**	**2,314,514**	**2,339,620**	**2,385,586**	**2,357,507**	**2,379,232**	**2,395,376**
New York Total	**6,126,286**	**6,378,113**	**5,905,046**	**5,740,568**	**6,048,796**	**6,175,662**	**6,286,352**	**6,204,752**	**6,309,083**	**6,386,993**
Bergen	456,633	470,481	436,441	423,589	445,855	450,369	452,274	451,145	459,612	465,821
Essex	356,060	365,183	331,805	327,335	342,078	346,429	354,509	353,763	358,229	361,748
Hudson	307,497	314,650	296,561	300,075	322,682	328,898	336,685	331,881	339,606	345,658
Middlesex	394,447	406,621	368,168	376,602	395,279	397,038	400,296	400,296	402,766	403,165
Monmouth	318,988	334,356	298,220	289,013	301,694	305,207	308,589	305,912	307,183	309,640
Morris	255,652	264,191	240,718	234,032	248,217	258,655	259,541	255,325	258,862	260,569
Passaic	227,755	231,509	211,164	217,152	218,572	228,235	230,149	228,233	229,762	234,313
Somerset	167,805	171,832	156,871	161,439	163,504	166,757	171,405	167,982	170,172	172,559
Union	252,838	265,723	241,520	242,351	257,648	261,426	265,949	264,233	267,803	271,895
New Jersey Total	**2,737,675**	**2,824,546**	**2,581,468**	**2,571,588**	**2,695,529**	**2,743,014**	**2,779,397**	**2,758,770**	**2,793,995**	**2,825,368**
Fairfield	442,381	442,829	423,234	420,302	448,190	456,529	463,442	455,515	463,610	468,570
New Haven	421,473	435,650	402,304	405,632	414,335	410,919	415,518	416,917	419,901	421,566
Litchfield	100,935	103,363	93,820	94,763	97,079	100,105	99,698	98,661	98,294	98,430
Connecticut Total	**964,789**	**981,842**	**919,358**	**920,697**	**959,604**	**967,553**	**978,658**	**971,093**	**981,805**	**988,566**
County \ Year	**2,007**	**2,008**	**2,009**	**2,010**	**2,011**	**2,012**	**2,013**	**2,014**	**2,015**	**2,016**
NY-NJ-CT Region Total	**9,828,750**	**10,184,501**	**9,405,872**	**9,232,853**	**9,703,929**	**9,886,229**	**10,044,407**	**9,934,615**	**10,084,883**	**10,200,927**
Percentage to U.S. Total	**6.9%**	**7.0%**	**6.7%**	**7.0%**	**6.9%**	**6.9%**	**6.9%**	**6.9%**	**6.9%**	**6.9%**
U.S. Total	**142,588,118**	**146,266,253**	**140,602,470**	**131,846,735**	**140,399,548**	**142,921,687**	**145,128,676**	**143,435,233**	**145,747,779**	**148,001,326**

Source: American Community Survey - US Census Bureau

TABLE F-2   TOTAL CIVILIAN LABOR FORCE

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	604,312	627,427	624,374	623,302	638,559	641,300	644,781	645,038	655,467	659,512
Kings	1,160,755	1,207,823	1,231,116	1,219,822	1,242,054	1,274,258	1,298,411	1,274,014	1,297,115	1,310,417
New York	929,943	937,059	954,259	924,189	927,996	951,013	949,550	946,480	956,034	958,676
Queens	1,174,874	1,219,075	1,221,843	1,178,901	1,173,740	1,201,695	1,205,352	1,197,419	1,208,386	1,214,854
Richmond	226,327	240,101	234,595	219,265	224,132	224,303	226,903	224,362	224,499	223,630
New York City	**4,096,211**	**4,231,485**	**4,266,187**	**4,165,479**	**4,206,481**	**4,292,569**	**4,324,997**	**4,287,313**	**4,341,501**	**4,367,089**
Dutchess	152,732	154,523	151,674	157,396	157,181	158,290	159,717	157,973	157,487	156,138
Nassau	669,114	716,832	718,209	698,629	696,964	705,874	707,844	706,342	712,003	713,590
Orange	188,186	200,060	193,234	182,132	184,776	185,679	188,802	185,244	185,121	184,383
Putnam	49,904	57,095	51,778	49,459	55,325	56,057	56,235	54,681	55,162	54,610
Rockland	142,583	152,867	150,987	151,568	157,800	156,105	160,895	157,567	158,611	158,770
Suffolk	746,169	801,512	791,364	786,438	778,739	781,677	788,597	786,822	785,594	784,771
Westchester	488,047	495,213	500,512	498,898	487,481	496,189	513,492	501,796	503,509	506,576
New York Suburban	**2,436,735**	**2,578,102**	**2,557,758**	**2,524,520**	**2,518,266**	**2,539,871**	**2,575,582**	**2,550,425**	**2,557,487**	**2,558,838**
New York Total	**6,532,946**	**6,809,587**	**6,823,945**	**6,689,999**	**6,724,747**	**6,832,440**	**6,900,579**	**6,837,738**	**6,898,988**	**6,925,927**
Bergen	476,798	491,863	484,262	478,892	483,642	485,599	487,057	486,823	491,436	494,631
Essex	386,683	394,279	397,845	400,523	400,515	409,551	411,346	409,923	411,643	411,464
Hudson	330,201	336,484	346,016	359,408	363,833	365,556	371,800	369,970	374,293	376,212
Middlesex	416,273	427,930	418,388	436,344	433,269	433,329	436,217	437,097	435,528	433,726
Monmouth	337,568	353,491	343,588	334,163	336,685	334,970	336,976	334,440	333,439	332,241
Morris	265,615	275,044	268,155	265,835	272,288	276,428	276,049	274,619	276,181	275,948
Passaic	241,708	245,268	242,535	251,834	250,538	255,189	250,782	253,029	251,460	252,067
Somerset	173,260	180,963	175,478	178,975	177,191	178,537	181,829	179,728	181,012	182,011
Union	270,450	283,965	282,277	291,560	292,759	295,280	295,458	295,972	296,786	297,092
New Jersey Total	**2,898,556**	**2,989,287**	**2,958,544**	**2,997,534**	**3,010,720**	**3,034,439**	**3,047,514**	**3,041,601**	**3,051,778**	**3,055,392**
Fairfield	468,715	474,938	481,339	483,986	500,288	504,317	512,094	503,867	509,408	510,491
New Haven	452,492	468,669	465,765	471,908	470,617	463,640	456,776	465,182	464,091	460,957
Litchfield	106,658	109,474	108,460	108,122	106,392	108,956	107,561	106,813	105,827	105,485
Connecticut Total	**1,027,865**	**1,053,081**	**1,055,564**	**1,064,016**	**1,077,297**	**1,076,913**	**1,076,431**	**1,075,862**	**1,079,326**	**1,076,933**
County \ Year	2,007	2,008	2,009	2,010	2,011	2,012	2,013	2,014	2,015	2,016
NY-NJ-CT Region Total	10,459,367	10,851,955	10,838,053	10,751,549	10,812,764	10,943,792	11,024,524	10,955,201	11,030,092	11,058,252
Percentage to U.S. Total	6.9%	6.9%	6.9%	6.9%	6.9%	6.9%	7.0%	6.9%	6.9%	6.9%
U.S. Total	152,211,303	156,225,077	156,044,453	155,917,013	156,460,172	157,703,368	158,498,347	157,940,014	158,897,824	159,807,099

Source: American Community Survey - US Census Bureau

TABLE F-3   RESIDENT UNEMPLOYED LABOR FORCE

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	60,780	56,684	83,204	98,354	104,190	99,409	94,120	96,561	91,564	83,538
Kings	77,402	87,555	123,031	132,715	149,300	141,720	135,002	135,252	129,667	117,928
New York	63,156	62,442	92,475	84,775	83,232	83,843	71,153	77,519	71,577	65,859
Queens	77,856	85,884	120,460	130,909	116,964	115,471	107,329	113,573	103,456	94,271
Richmond	10,485	12,966	16,454	19,938	18,513	16,084	16,627	17,163	15,386	13,876
New York City	**289,679**	**305,531**	**435,624**	**466,691**	**472,199**	**456,527**	**424,231**	**440,068**	**411,650**	**375,472**
Dutchess	8,701	9,306	12,654	15,835	17,608	15,069	13,063	14,629	13,658	11,899
Nassau	32,436	32,791	52,190	58,172	53,238	51,465	46,650	50,094	45,819	41,435
Orange	9,860	12,337	13,784	15,653	15,622	16,727	15,098	14,765	13,470	12,277
Putnam	1,961	2,384	3,391	4,491	4,524	5,189	2,887	4,277	3,750	3,364
Rockland	5,045	6,688	11,006	11,227	15,129	12,888	14,867	12,780	12,562	11,124
Suffolk	34,045	36,791	57,936	65,712	56,697	57,051	54,139	55,703	50,584	47,643
Westchester	24,933	25,646	42,381	42,959	40,934	41,862	43,312	40,670	38,412	35,720
New York Suburban	**116,981**	**125,943**	**193,342**	**214,049**	**203,752**	**200,251**	**190,016**	**192,918**	**178,255**	**163,462**
New York Total	**406,660**	**431,474**	**628,966**	**680,740**	**675,951**	**656,778**	**614,247**	**632,986**	**589,905**	**538,934**
Bergen	20,165	21,382	32,881	40,590	37,787	35,230	34,783	35,678	31,824	28,810
Essex	30,623	29,096	49,612	56,377	58,437	63,122	56,837	56,160	53,414	49,716
Hudson	22,704	21,834	37,141	46,928	41,151	36,658	35,115	38,089	34,687	30,554
Middlesex	21,826	21,309	39,111	43,690	37,990	36,291	35,921	36,801	32,762	30,561
Monmouth	18,580	19,135	29,356	28,991	34,991	29,763	28,387	28,528	26,256	22,601
Morris	9,963	10,853	18,595	23,073	24,071	17,773	16,508	19,294	17,319	15,379
Passaic	13,953	13,759	23,997	27,906	31,966	26,954	20,633	24,796	21,698	17,754
Somerset	5,455	9,131	14,132	12,805	13,687	11,780	10,424	11,746	10,840	9,752
Union	17,612	18,242	28,449	36,063	35,111	33,854	29,509	31,739	28,983	25,197
New Jersey Total	**160,881**	**164,741**	**273,274**	**316,423**	**315,191**	**291,425**	**268,117**	**282,831**	**257,783**	**230,324**
Fairfield	26,334	32,109	46,335	51,947	52,098	47,788	48,652	48,352	45,798	41,921
New Haven	31,019	33,019	46,743	51,477	56,282	52,721	41,258	48,265	31,824	7,055
Litchfield	5,723	6,111	10,436	10,590	9,313	8,851	7,863	8,152	7,533	39,391
Connecticut Total	**63,076**	**71,239**	**103,514**	**114,014**	**117,693**	**109,360**	**97,773**	**104,769**	**85,155**	**88,367**
County \ Year	**2,007**	**2,008**	**2,009**	**2,010**	**2,011**	**2,012**	**2,013**	**2,014**	**2,015**	**2,016**
NY-NJ-CT Region Total	**630,617**	**667,454**	**1,005,754**	**1,111,177**	**1,108,835**	**1,057,563**	**980,137**	**1,020,586**	**932,843**	**857,625**
Percentage to U.S. Total	**6.6%**	**6.7%**	**6.5%**	**6.6%**	**6.9%**	**7.2%**	**7.3%**	**7.0%**	**7.1%**	**7.3%**
U.S. Total	**9,623,185**	**9,958,824**	**15,441,983**	**16,883,085**	**16,060,624**	**14,781,681**	**13,369,671**	**14,504,781**	**13,150,045**	**11,805,773**

Source: American Community Survey - US Census Bureau

F4

TABLE F-4   UNEMPLOYMENT RATE

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	10.1%	9.0%	13.3%	15.8%	16.3%	15.5%	14.6%	15.0%	14.0%	12.7%
Kings	6.7%	7.2%	10.0%	10.9%	12.0%	11.1%	10.4%	10.6%	10.0%	9.0%
New York	6.8%	6.7%	9.7%	9.2%	9.0%	8.8%	7.5%	8.2%	7.5%	6.9%
Queens	6.6%	7.0%	9.9%	11.1%	10.0%	9.6%	8.9%	9.5%	8.6%	7.8%
Richmond	4.6%	5.4%	7.0%	9.1%	8.3%	7.2%	7.3%	7.6%	6.9%	6.2%
New York City Average	**7.1%**	**7.2%**	**10.2%**	**11.2%**	**11.2%**	**10.6%**	**9.8%**	**10.3%**	**9.5%**	**8.6%**
Dutchess	5.7%	6.0%	8.3%	10.1%	11.2%	9.5%	8.2%	9.3%	8.7%	7.6%
Nassau	4.8%	4.6%	7.3%	8.3%	7.6%	7.3%	6.6%	7.1%	6.4%	5.8%
Orange	5.2%	6.2%	7.1%	8.6%	8.5%	9.0%	8.0%	8.0%	7.3%	6.7%
Putnam	3.9%	4.2%	6.5%	9.1%	8.2%	9.3%	5.1%	7.8%	6.8%	6.2%
Rockland	3.5%	4.4%	7.3%	7.4%	9.6%	8.3%	9.2%	8.1%	7.9%	7.0%
Suffolk	4.6%	4.6%	7.3%	8.4%	7.3%	7.3%	6.9%	7.1%	6.4%	6.1%
Westchester	5.1%	5.2%	8.5%	8.6%	8.4%	8.4%	8.4%	8.1%	7.6%	7.1%
New York Suburban	4.8%	4.9%	7.6%	8.5%	8.1%	7.9%	7.4%	7.6%	7.0%	6.4%
New York Average	**6.2%**	**6.3%**	**9.2%**	**10.2%**	**10.1%**	**9.6%**	**8.9%**	**9.3%**	**8.6%**	**7.8%**
Bergen	4.2%	4.3%	6.8%	8.5%	7.8%	7.3%	7.1%	7.3%	6.5%	5.8%
Essex	7.9%	7.4%	12.5%	14.1%	14.6%	15.4%	13.8%	13.7%	13.0%	12.1%
Hudson	6.9%	6.5%	10.7%	13.1%	11.3%	10.0%	9.4%	10.3%	9.3%	8.1%
Middlesex	5.2%	5.0%	9.3%	10.0%	8.8%	8.4%	8.2%	8.4%	7.5%	7.0%
Monmouth	5.5%	5.4%	8.5%	8.7%	10.4%	8.9%	8.4%	8.5%	7.9%	6.8%
Morris	3.8%	3.9%	6.9%	8.7%	8.8%	6.4%	6.0%	7.0%	6.3%	5.6%
Passaic	5.8%	5.6%	9.9%	11.1%	12.8%	10.6%	8.2%	9.8%	8.6%	7.0%
Somerset	3.1%	5.0%	8.1%	7.2%	7.7%	6.6%	5.7%	6.5%	6.0%	5.4%
Union	6.5%	6.4%	10.1%	12.4%	12.0%	11.5%	10.0%	10.7%	9.8%	8.5%
New Jersey Average	**5.6%**	**5.5%**	**9.2%**	**10.6%**	**10.5%**	**9.6%**	**8.8%**	**9.3%**	**8.4%**	**7.5%**
Fairfield	5.6%	6.8%	9.6%	10.7%	10.4%	9.5%	9.5%	9.6%	9.0%	8.2%
New Haven	6.9%	7.0%	10.0%	10.9%	12.0%	11.4%	9.0%	10.4%	6.9%	8.5%
Litchfield	5.4%	5.6%	9.6%	9.8%	8.8%	8.1%	7.3%	7.6%	7.1%	6.7%
Connecticut Average	**6.1%**	**6.8%**	**9.8%**	**10.7%**	**10.9%**	**10.2%**	**9.1%**	**9.7%**	**7.9%**	**8.2%**
NY-NJ-CT Region	**6.0%**	**6.2%**	**9.3%**	**10.3%**	**10.3%**	**9.7%**	**8.9%**	**9.3%**	**8.5%**	**7.8%**
US Unemployment Rate	**6.3%**	**6.4%**	**7.5%**	**7.9%**	**8.7%**	**9.3%**	**9.7%**	**9.2%**	**8.3%**	**7.4%**

Source: American Community Survey - US Census Bureau

TABLE F-5　　　POPULATION

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	1,373,659	1,391,903	1,397,287	1,386,657	1,392,002	1,408,473	1,418,733	1,413,566	1,428,357	1,436,785
Kings	2,528,050	2,556,598	2,567,098	2,508,340	2,532,645	2,565,635	2,592,149	2,570,801	2,595,259	2,606,852
New York	1,620,867	1,634,795	1,629,054	1,586,698	1,601,948	1,619,090	1,626,159	1,618,398	1,629,507	1,634,989
Queens	2,270,338	2,293,007	2,306,712	2,233,841	2,247,848	2,272,771	2,296,175	2,280,602	2,301,139	2,310,011
Richmond	481,613	487,407	491,730	469,363	470,467	470,728	472,621	471,522	472,481	473,324
New York City	**8,274,527**	**8,363,710**	**8,391,881**	**8,184,899**	**8,244,910**	**8,336,697**	**8,405,837**	**8,354,889**	**8,426,743**	**8,461,961**
Dutchess	292,746	292,878	293,562	297,577	297,999	297,322	296,916	297,388	296,928	295,905
Nassau	1,306,533	1,351,625	1,357,429	1,341,245	1,344,436	1,349,233	1,352,146	1,350,601	1,354,612	1,356,801
Orange	377,169	379,647	383,532	373,355	374,872	374,512	375,592	374,518	375,384	376,242
Putnam	99,489	99,244	99,265	99,713	99,933	99,607	99,645	99,697	99,488	99,408
Rockland	296,483	298,545	300,173	312,183	315,158	317,757	320,903	318,186	320,688	322,642
Suffolk	1,453,229	1,512,224	1,518,475	1,494,434	1,498,816	1,499,273	1,499,738	1,500,373	1,501,373	1,498,130
Westchester	951,325	953,943	955,962	950,541	955,899	961,670	968,802	962,319	967,315	969,229
New York Suburban	**4,776,974**	**4,888,106**	**4,908,398**	**4,869,048**	**4,887,113**	**4,899,374**	**4,913,742**	**4,903,082**	**4,915,788**	**4,918,357**
New York Total	**13,051,501**	**13,251,816**	**13,300,279**	**13,053,947**	**13,132,023**	**13,236,071**	**13,319,579**	**13,257,971**	**13,342,531**	**13,380,318**
Bergen	895,744	894,840	895,250	906,541	911,004	918,888	925,328	920,456	926,330	930,310
Essex	776,087	770,675	769,644	784,228	785,137	787,744	789,565	789,616	791,609	792,586
Hudson	598,160	595,419	597,924	635,294	641,224	652,302	660,282	654,878	662,619	668,526
Middlesex	788,629	789,102	790,738	810,986	814,217	823,041	828,919	824,046	830,300	831,852
Monmouth	642,030	642,448	644,105	630,966	631,020	629,384	629,672	629,702	629,185	627,532
Morris	488,475	487,548	488,518	492,694	494,976	497,999	499,397	497,103	498,192	498,215
Passaic	492,115	490,948	491,778	501,860	502,007	502,885	505,672	505,403	507,574	507,204
Somerset	323,552	324,563	326,869	324,194	324,893	327,707	330,585	328,704	330,604	331,686
Union	524,658	523,249	526,426	537,661	539,494	543,976	548,256	545,236	548,744	550,436
New Jersey Total	**5,529,450**	**5,518,792**	**5,531,252**	**5,624,424**	**5,643,972**	**5,683,926**	**5,717,676**	**5,695,144**	**5,725,157**	**5,738,347**
Fairfield	895,015	895,030	901,208	918,714	925,899	933,835	939,904	934,215	939,983	941,618
New Haven	845,494	846,101	848,006	862,989	861,113	862,813	862,287	863,148	862,224	860,874
Litchfield	188,273	187,745	188,728	189,840	188,789	187,530	186,924	187,542	186,304	185,141
Connecticut Total	**1,928,782**	**1,928,876**	**1,937,942**	**1,971,543**	**1,975,801**	**1,984,178**	**1,989,115**	**1,984,905**	**1,988,511**	**1,987,633**
NY-NJ-CT Region Total	**20,509,733**	**20,699,484**	**20,769,473**	**20,649,914**	**20,751,796**	**20,904,175**	**21,026,370**	**20,938,020**	**21,056,199**	**21,106,298**
Percentage to U.S. Total	**6.8%**	**6.8%**	**6.9%**	**6.8%**	**6.8%**	**6.8%**	**6.7%**	**6.7%**	**6.7%**	**6.6%**
US Population	**301,621,159**	**304,059,728**	**301,461,533**	**303,965,272**	**306,603,772**	**309,138,711**	**311,536,594**	**314,107,084**	**316,515,021**	**318,558,162**

Source: American Community Survey - US Census Bureau

TABLE F-6   PUBLIC SCHOOL ENROLLMENT

County \ Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Bronx	318,735	323,947	319,552	326,013	321,952	327,417	331,477	330,701	344,046	342,715
Kings	480,464	485,493	483,660	481,369	472,957	478,530	481,009	468,831	480,314	460,688
New York	186,426	188,048	177,233	191,779	181,883	183,000	188,546	186,727	185,178	182,512
Queens	413,199	417,592	418,580	425,405	424,360	439,121	430,151	435,442	440,572	443,752
Richmond	89,172	94,857	91,722	94,044	91,055	94,786	93,014	90,388	89,867	92,788
New York City	**1,487,996**	**1,509,937**	**1,490,747**	**1,518,610**	**1,492,207**	**1,522,854**	**1,524,197**	**1,512,089**	**1,539,977**	**1,522,455**
Dutchess	59,530	60,060	58,591	59,957	58,752	59,537	56,541	57,965	55,905	54,045
Nassau	260,389	260,423	269,956	263,657	259,836	265,816	254,995	256,426	259,118	252,675
Orange	90,949	84,535	90,017	88,109	83,311	83,962	85,227	79,644	76,884	78,964
Putnam	19,874	19,842	21,728	20,442	21,574	21,210	20,752	19,748	18,399	19,667
Rockland	49,900	54,246	53,027	55,097	53,258	55,006	55,332	53,382	54,327	51,686
Suffolk	324,119	338,252	337,457	329,099	339,170	329,458	325,125	326,756	322,707	314,084
Westchester	186,148	188,167	186,062	186,483	191,520	197,604	192,852	186,189	186,727	185,844
New York Suburban	**990,909**	**1,005,525**	**1,016,838**	**1,002,844**	**1,007,421**	**1,012,593**	**990,824**	**980,110**	**974,067**	**956,965**
New York Total	**2,478,905**	**2,515,462**	**2,507,585**	**2,521,454**	**2,499,628**	**2,535,447**	**2,515,021**	**2,492,199**	**2,514,044**	**2,479,420**
Bergen	170,131	165,874	166,829	176,950	183,561	175,231	180,354	189,894	181,839	175,266
Essex	158,466	170,461	170,551	177,731	180,690	176,427	182,828	179,639	173,234	178,203
Hudson	115,103	109,073	109,772	124,260	118,000	127,862	122,188	130,363	121,553	126,239
Middlesex	177,255	170,418	171,492	188,741	182,078	189,607	187,277	188,405	189,179	191,560
Monmouth	132,976	134,237	131,666	127,703	128,320	131,654	128,279	130,063	120,417	124,020
Morris	96,145	97,330	96,408	99,175	98,300	99,074	102,851	97,419	99,340	96,826
Passaic	100,003	109,490	108,770	117,161	121,013	115,327	119,959	113,804	113,369	117,870
Somerset	67,922	66,497	68,389	67,809	69,702	67,390	67,724	69,174	65,142	71,584
Union	109,310	117,343	113,424	119,043	116,827	119,478	121,802	124,172	115,400	121,901
New Jersey Total	**1,127,311**	**1,140,723**	**1,137,301**	**1,198,573**	**1,198,491**	**1,202,050**	**1,213,262**	**1,222,933**	**1,179,473**	**1,203,469**
Fairfield	179,412	176,591	180,485	191,372	191,115	193,096	193,136	192,651	193,146	191,300
New Haven	176,269	170,086	168,172	174,829	173,605	174,555	172,773	170,989	166,392	166,745
Litchfield	35,343	36,216	36,135	37,382	36,872	34,818	32,221	32,638	32,940	33,733
Connecticut Total	**391,024**	**382,893**	**384,792**	**403,583**	**401,592**	**402,469**	**398,130**	**396,278**	**392,478**	**391,778**
County \ Year	**2,007**	**2,008**	**2,009**	**2,010**	**2,011**	**2,012**	**2,013**	**2,014**	**2,015**	**2,016**
NY-NJ-CT Region Total	**3,997,240**	**4,039,078**	**4,029,678**	**4,123,610**	**4,099,711**	**4,139,966**	**4,126,413**	**4,111,410**	**4,085,995**	**4,074,667**
Percentage to U.S. Total	**6.1%**	**6.1%**	**6.0%**	**6.0%**	**5.9%**	**6.0%**	**6.0%**	**6.0%**	**6.0%**	**6.0%**
U.S. Total	**65,814,490**	**65,990,517**	**67,308,847**	**69,183,599**	**69,538,443**	**69,529,393**	**69,229,354**	**68,921,593**	**68,485,068**	**68,445,638**

Source: American Community Survey - US Census Bureau

TABLE F-7 INFLATION RATE ALL URBAN CONSUMERS FOR NEW YORK - NORTHERN NEW JERSEY - LONG ISLAND AREA

Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
FOOD & BEVERAGES	3.9	5.6	2.3	0.9	3.2	2.8	1.1	1.8	2.0	0.4
Food at home	3.9	6.7	1.6	0.8	4.0	2.9	1.1	1.8	1.6	-1.7
Food Away from Home	4.1	4.6	3.1	1.0	2.5	2.8	1.2	2.2	2.6	3.3
HOUSING	3.5	3.6	0.8	0.6	1.3	1.2	2.1	2.2	1.0	1.9
Shelter	3.7	3.0	2.0	0.6	1.5	1.8	2.5	2.7	2.5	2.9
Rent, Residential	4.5	5.1	3.9	2.1	2.2	2.4	3.1	3.0	3.1	3.4
Homeowners' Cost	3.6	3.2	2.4	0.5	1.3	1.7	2.3	2.7	2.4	2.9
Fuel & Utilities	5.4	12.6	-6.0	0.5	1.3	-3.4	2.2	2.7	-8.9	-4.0
Furnishings & Operations	-0.9	-2.2	-2.0	-2.0	-1.1	0.6	-1.5	-2.5	-2.6	-2.7
APPAREL	-1.9	0.0	2.7	3.4	3.6	1.7	1.4	-0.5	3.0	-1.6
TRANSPORTATION	1.2	6.2	-6.1	6.8	9.9	2.5	1.2	-0.8	-7.1	-2.1
Private	1.3	6.2	-6.5	6.9	10.4	2.7	0.1	-0.7	-8.3	-2.4
Gasoline	5.7	17.5	-26.6	18.5	28.3	4.0	-3.2	-4.2	-29.4	-10.5
MEDICAL CARE	5.5	2.3	0.8	2.6	3.1	5.0	3.2	2.7	2.5	3.7
OTHER GOODS & SERVICES	1.3	3.3	3.7	4.3	2.0	2.1	0.9	1.1	1.3	2.5
All Items (Inflation Rate)	2.8	3.9	0.4	1.7	2.8	2.0	1.7	1.3	0.1	1.1
US All Items (Inflation Rate)	2.8	3.8	-0.4	1.6	3.2	2.1	1.5	1.6	0.1	1.3

Source: American Community Survey - US Census Bureau

TABLE F-8   GROSS DOMESTIC PRODUCT (GDP)   F9
FOR NEW YORK- NEWARK-JERSEY CITY AREA

In Millions of Dollars

Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Gross Domestic Product	1,272,799	1,259,995	1,277,702	1,340,859	1,365,795	1,440,989	1,478,671	1,537,140	1,602,705	1,657,457
Growth Rate	4.5	-1.0	1.4	4.9	1.9	5.5	2.6	4.0	4.3	3.4

Source: American Community Survey - US Census Bureau