



Federal Transit Administration
U.S. Department of Transportation

Office of Budget and Policy



2020

National Transit Database

National Transit Summaries & Trends

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Acronyms and Abbreviations

ADA	Americans with Disabilities Act
AR	Alaska Railroad
ARP	The American Rescue Plan Act of 2021
CARES	The Coronavirus Aid, Relief, and Economic Security Act
CRSAA	Coronavirus Response and Relief Supplemental Appropriations Act
CY	Calendar Year
FG	Fixed Guideway
FTA	The Federal Transit Administration
FY	Fiscal Year
HIB	High Intensity Busway
HOV	High Occupancy Vehicle
MB	Motorbus
MG	Monorail/Automated Guideway
NTD	The National Transit Database
NTST	National Transit Summaries and Trends
PMT	Passenger Miles Traveled
PPH	Passengers Per Hour
ROW	Right-of-Way
RY	Report Year
TNC	Transportation Network Company
ULB	Useful Life Benchmark
UPT	Unlinked Passenger Trips
U.S.	United States of America
USOA	Uniform System of Accounts
UZA	Urbanized Area
VRH	Vehicle Revenue Hours
VRM	Vehicle Revenue Miles

Preface

On March 13, 2020, Proclamation 9994 declared the novel coronavirus disease 2019 (COVID-19) a national emergency. The impacts of the emergency on data reported to the National Transit Database (NTD) are evident for Fiscal Year (FY) 2020. Most annual data reported to the NTD represents data collected during each reporting agency's fiscal year. Readers should take this into account when reviewing this document and when further analyzing differences in data values reported in the NTD annual datasets.

- 55 percent of agencies reporting to the NTD in 2020 began their fiscal year on July 1, 2019,
- 16 percent began on October 1, 2019,
- 26 percent began on January 1, 2020, and
- 3 percent began on various other dates in 2019.

A full list of agency fiscal years can be found in the 2020 Agency Information annual database file published on the [NTD data web page](#).

While this document does not explore local impacts of the emergency, data users are encouraged to evaluate trends online using the [Monthly Time Series](#) data publications, which present data by NTD reporter, mode, and type of service. Monthly service data has been important to the Federal Transit Administration (FTA) throughout the COVID-19 public health emergency to assess national impacts and has remained a requirement throughout the emergency. Monthly trends are summarized further beginning on page 5.

This document clearly shows that the 2020 fiscal year may not be suitable to use in annual time series analyses without qualifying the impact of the emergency.

Finally, time series exhibits in this document present actual data, unless estimates or transformations are indicated.

Introduction

General Information

FTA is pleased to publish the 2020 National Transit Summaries and Trends (NTST). This annual data publication summarizes data reported to the NTD. The NTST provides an overview of public transit in the United States (U.S.) according to the most recently completed NTD report year in an easy-to-read format.

This 2020 NTST discusses data from Report Years (RY) 2011 to 2020. Except for the exhibits in the “Rural Service” section and where explicitly noted, all data included in the NTST are from agencies operating within an Urbanized Area (UZA) and reporting to the urban module of the NTD. Throughout this document we will refer to such entities as “urban operators,” “urban services,” or “urban agencies.”

The exhibits only include data reported to the NTD.

What is the National Transit Database?

The NTD is the primary source for information and statistics on transit systems in the U.S. Congress requires FTA to collect financial and service information annually from public transportation agencies that benefit from FTA grants. Each year, FTA uses NTD data to apportion funding through funding programs such as §5307 (Urbanized Area Formula Grants), §5311 (Formula Grants for Rural Areas), §5329 (Transit Safety & Oversight Grants), and §5337 (State of Good Repair Grants).

Please see the [NTD Glossary](#) for definitions of the terms used in this document. For more information on the program in general, please visit the [NTD website](#).

Who reports data to the National Transit Database?

§5307 Program Recipients

Recipients or beneficiaries of FTA's Urbanized Area Formula Program (§5307) must file annual reports, monthly ridership reports, and safety and security reports with the NTD. The recipients or beneficiaries reporting this data are also called **Urban Reporters**. Beginning in FY 2011, transit agencies with 30 vehicles or less became eligible to report using reduced reporting requirements.

The reduced reporting requirements include:

- reporting exemptions for passenger miles
- mode-specific capital and operations costs
- employee counts
- maintenance performance
- energy consumption
- monthly ridership
- safety data

Some agencies that do not operate transit service report to the NTD. **Build Reporters** are agencies that benefit from Federal funding and are in the process of building transit infrastructure but do not yet operate service. **Planning Reporters** do not operate transit service but instead use the Federal funding for planning and programming transit projects.

§5311 Program Recipients

Recipients or beneficiaries of FTA's Formula Grants for Rural Areas Program (§5311) must file annual reports to the rural module of the NTD. These agencies are known as **Rural Reporters**. States and Indian Tribes submit rural reports directly to the NTD. States file reports on behalf of their subrecipient rural transit agencies, who do not report directly to the NTD.

Voluntary NTD Reporters

FTA accepts voluntary NTD reports from other transit systems, both public and private, that serve both UZAs and non-UZAs. **Voluntary Reporters** must provide public transportation services and meet the same reporting obligations as mandatory reporters.

What are the modes of transit?

Public transit includes buses, trains, ferryboats, paratransit services, and much more. Certain transportation services are specifically excluded, such as Intercity Bus service, Intercity Rail service, intra-facility transport (e.g., airport people movers,) and sightseeing rides. Different types of vehicles, technologies, and operational characteristics distinguish the modes of transit. Public transit modes are defined in a table in the “Introduction” section of the [2020 NTD Reporting Policy Manual](#).

What is an Urbanized Area?

The U.S. Census Bureau defines UZAs based on incorporated places (e.g., cities, towns, villages) and their adjacent areas. For more information, visit the [U.S. Census website](#).

In the NTD, transit providers indicate the UZA in which they operate most service as their “primary UZA.” For analysis purposes, the NTST groups UZAs into the following categories:

- **Small UZAs:** population of 50,000 to 200,000.
- **Medium UZAs:** population of 200,000 to 1 million.
- **Large UZAs:** population over 1 million.

Of all Urban Reporters, approximately 36 percent of agencies primarily serve a small UZA, 26 percent serve a medium UZA, and 38 percent serve a large UZA.

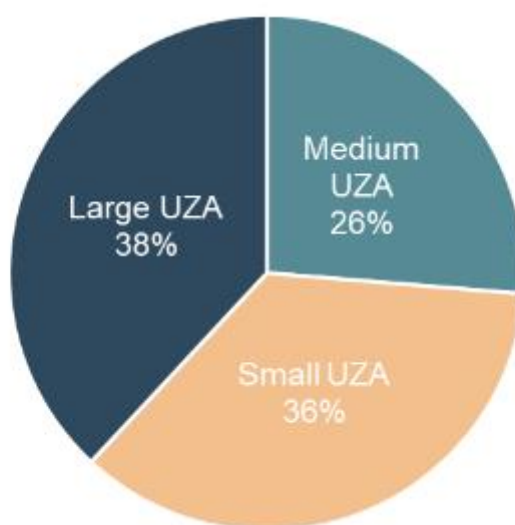


Exhibit 1. Agencies' Primary UZA by Urbanized Area Size

Transit Service Providers: Organization Type

Transit providers report their organization type in the NTD Annual Report.

City and county organizations are departments of local government. They make up 53 percent of urban transit providers.

Transit authorities are independent public agencies led by boards, focused on providing public transit. Transit authorities make up 29 percent of urban transit providers. City/county organizations and transit authorities comprise approximately 82 percent of urban transit providers.

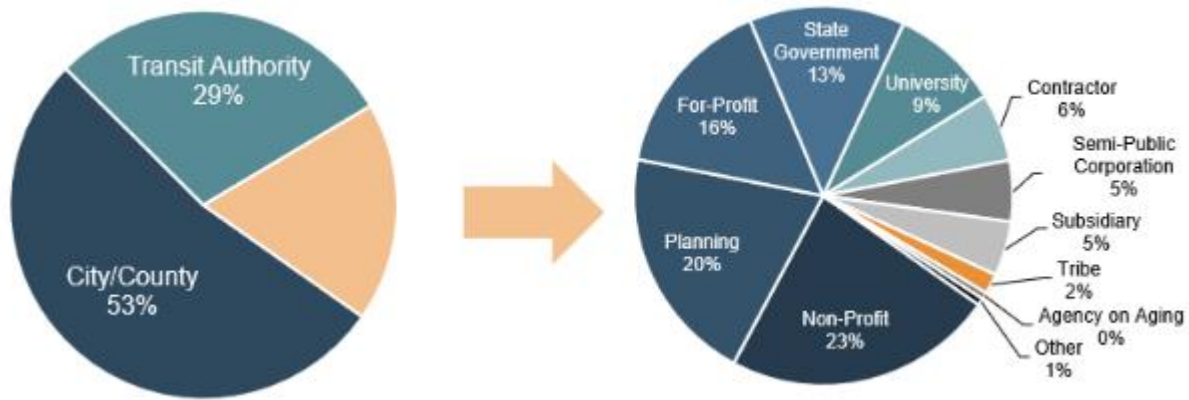


Exhibit 2. Transit Provider Organization Types

Monthly Reporting During the COVID-19 Public Health Emergency

What is monthly ridership reporting?

All NTD reporters operating more than 30 Vehicles in Maximum Service report service data totals by mode and type of service monthly on the Monthly Ridership (MR-20) form. The service data collected monthly includes Vehicles Operated in Maximum Service, Vehicle Revenue Hours (VRH), Vehicle Revenue Miles (VRM), and Unlinked Passenger Trips (UPT) for the given month. In 2019, Annual UPT reported by Reduced Reporters operating in UZAs accounted for only 0.9 percent of the national total UPT. Reduced Reporters are therefore excluded from this analysis.

According to the NTD, April 2020 is the lowest month on record (dating to 2002) for national urban public transportation ridership, with 158.5 million UPT taken. For contrast, 835.1 million UPT were taken in April 2019. This represents an 81.0 percent decrease in the year-over-year ridership measure. The decrease was driven primarily by two modes, Heavy Rail and Motorbus, which account for most of the national ridership (see Exhibit 3). The year-over-year decrease from December 2019 to December 2020 was 62.0 percent across all modes for UPT, 18.5 percent for VRM.

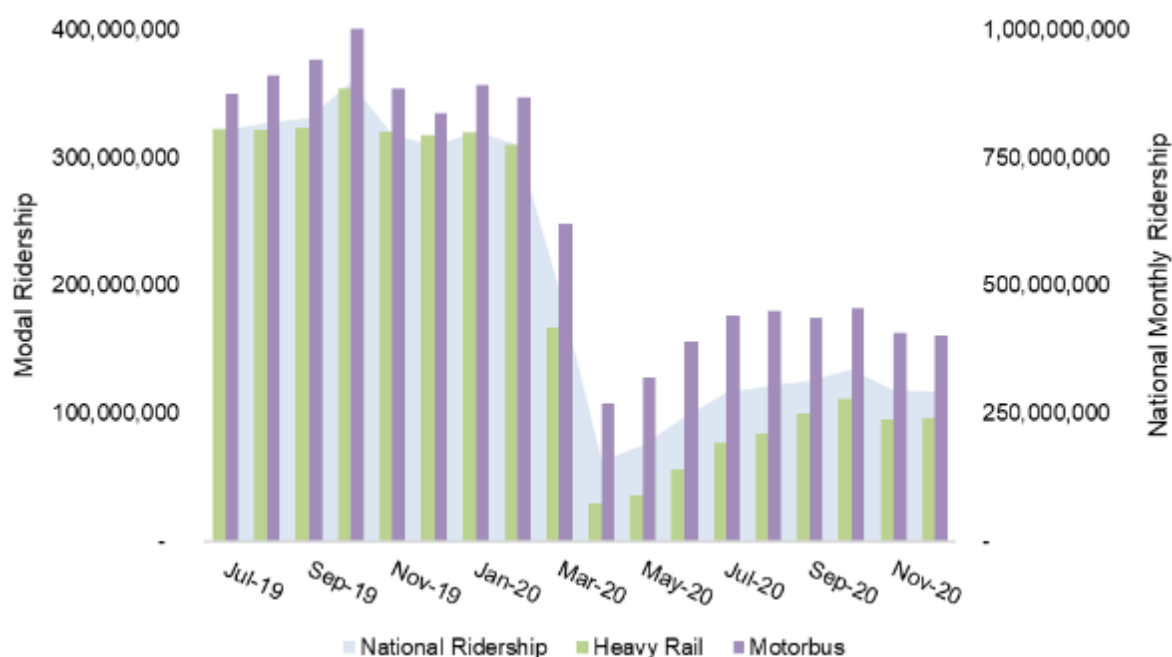


Exhibit 3. National Monthly Ridership for Heavy Rail vs. Motorbus (2019–2020)

Other modes also demonstrated large ridership decreases, especially at the onset of the COVID-19 public health emergency. Exhibit 4 shows that from January 2020 to April 2020, monthly Light Rail and Commuter Rail ridership decreased 76.1 percent and 93.4 percent, respectively. Demand Response and Ferryboat modes decreased 72.6 percent and 83.0 percent, respectively.

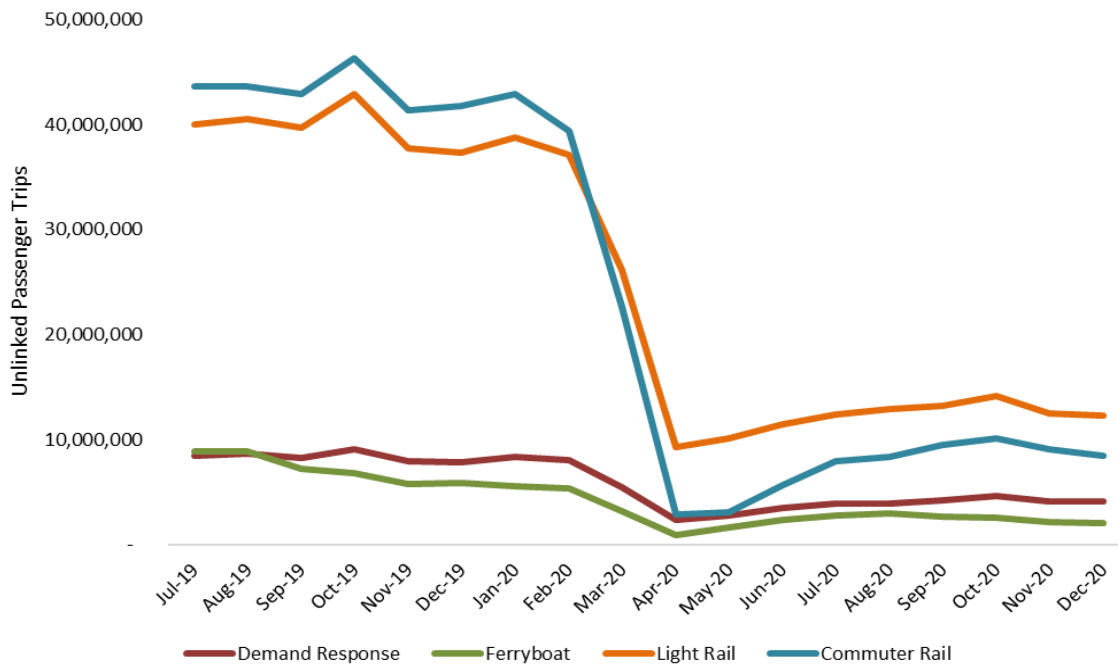


Exhibit 4. 2020 Monthly Ridership for Selected Modes

Spotlight: Demand Response Mode

The Demand Response mode operates on roadways in response to requests to the transit operator from passengers or their agents. Rides are grouped together, when possible, and the transit operator dispatches a vehicle to provide the rides. Vehicles do not operate over a fixed route or on a fixed schedule unless temporarily satisfying a special transit need. Many transit systems operate Demand Response service to meet the requirements of the Americans with Disabilities Act (ADA).

All exhibits in this section will spotlight the Demand Response mode and include data from both urban and rural public transportation operators. Demand Response service provided by Transportation Network Companies is excluded from this section as only six agencies nationwide reported this type of service in FY 2020.

Demand Response is nearly as prevalent as other modes that report to the NTD, as indicated by Exhibit 5.

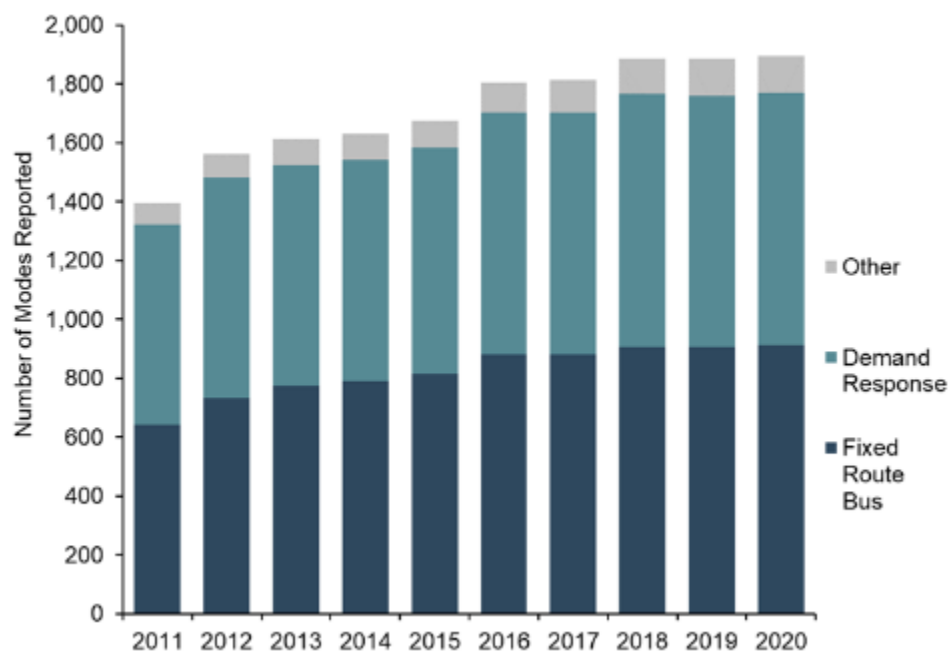


Exhibit 5. Demand Response Among the Most Prevalent Modes of Transportation (2011–2020)

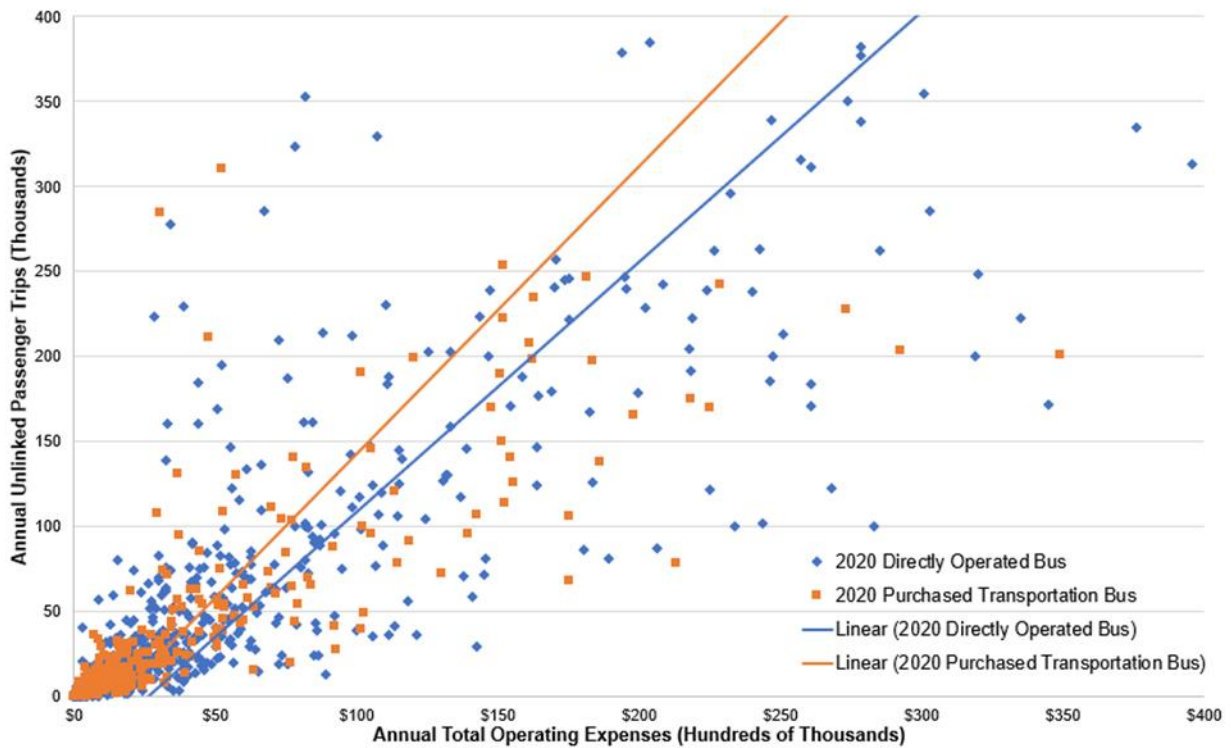


Exhibit 6. 2020 Total Ridership per Operating Expenses for All Agencies' Bus Services

The average Demand Response cost per trip across all urban and rural NTD reporters for FY 2020 was \$40.73 (standard deviation \$39.15). For Bus modes, the average cost per trip was \$20.48 (standard deviation \$36.66).

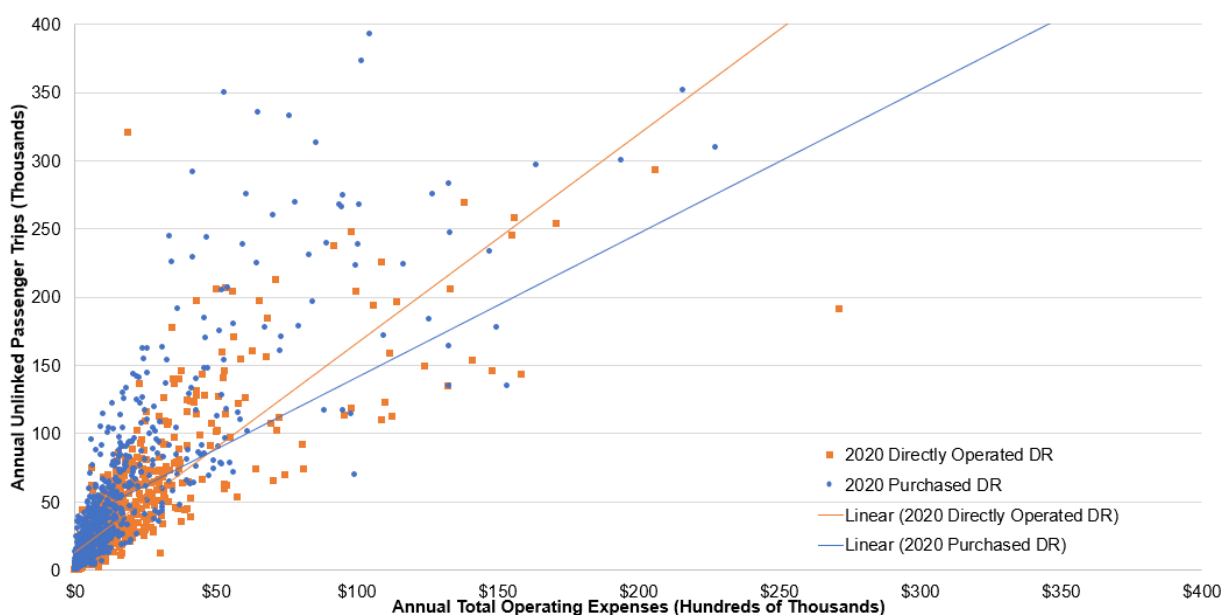


Exhibit 7. 2020 Total Ridership per Operating Expenses for All Agencies' Demand Response Services

Exhibits 7 (above) and 8 (below) present the relationship between annual Operating Expenses and annual UPT for Demand Response operators. Exhibit 8 highlights that the cost per UPT is lower for Demand Response Taxi service compared to Purchased Transportation service. Directly Operated service costs were higher in 2020.

As shown in Exhibit 8, shared-ride taxi services appear to be the most cost-effective form of Demand Response service. However, these services operate with lower seating capacity vehicles, such as sedans or minivans, compared with other Demand Response services, which generally use cutaways that potentially elevate the costs of Directly Operated and Purchased Transportation Demand Response.

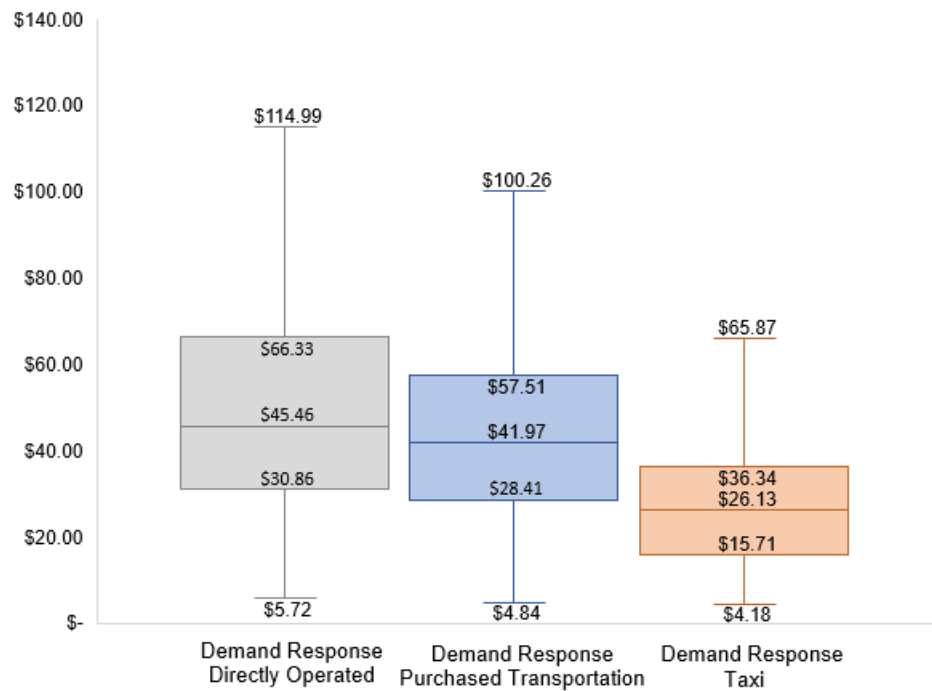


Exhibit 8. 2020 Cost per Unlinked Passenger Trip for Demand Response Service Type

Note that Exhibit 8 excludes Transportation Network Company (TNC) services due to the low number of reporters. Demand Response Directly Operated services include 500 reports, Demand Response Purchased Transportation service include 338, and there were 81 Demand Response Taxi providers, compared to 5 TNCs.

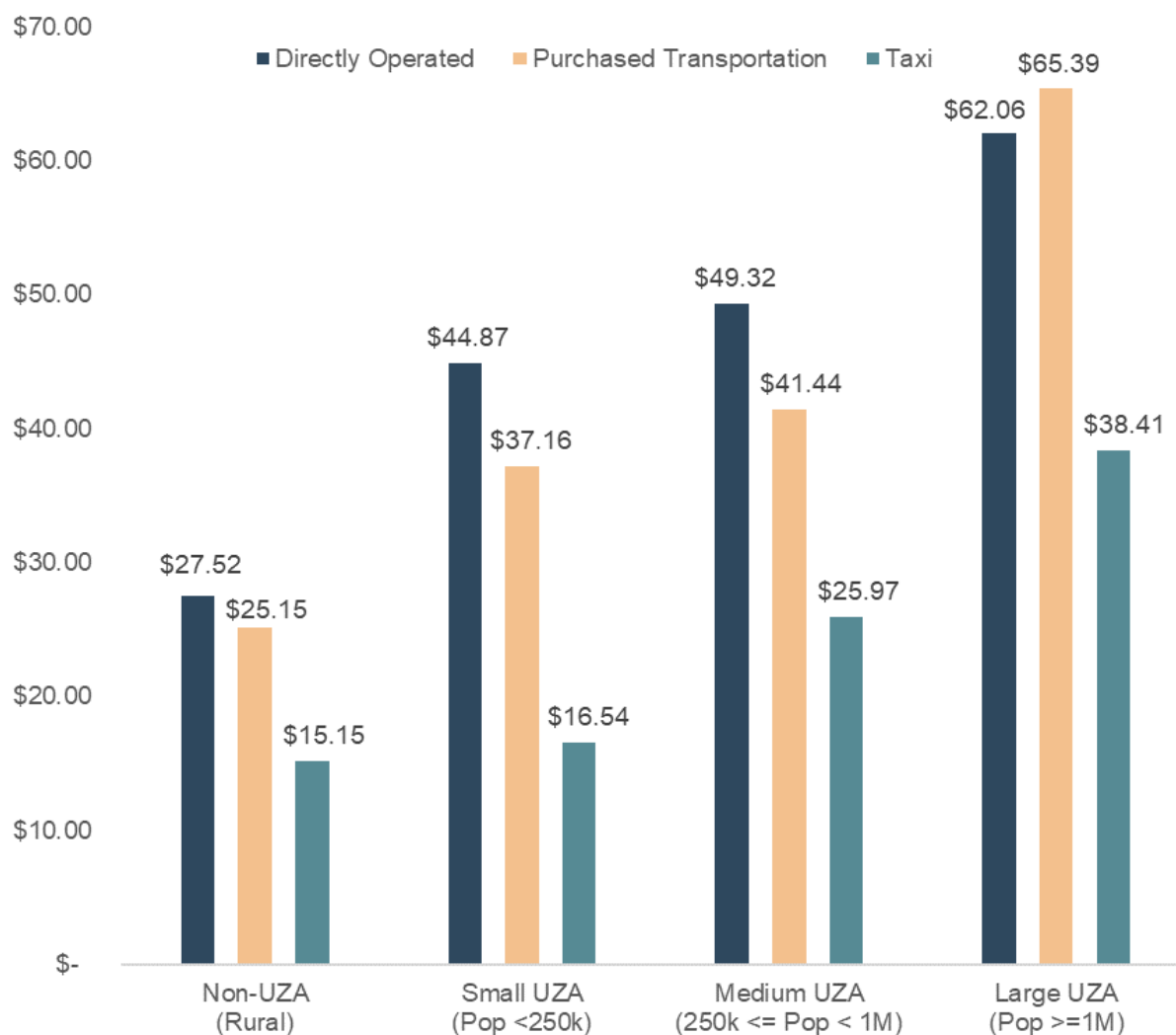


Exhibit 9. 2020 Cost per Unlinked Passenger Trip by Urbanized Area Size and Type of Service

Exhibit 9 shows that the Operating Expense per Passenger Trip is higher for Purchased Transportation service in large UZAs (\$65.39 for Purchased Transportation to \$62.06 for Directly Operated) while the trend is the opposite in small and medium UZAs and in Rural Areas.

Urban Transit Funding and Expenses

Rounding and Inflation

Rounding may lead to minor variations in total values from one exhibit to another within this analysis or may lead to instances where percentages do not add up to 100. Due to rounding, percent changes may not exactly match the values calculated using the formatted figures shown in the exhibits.

The NTD has adjusted all exhibits involving dollar amounts to 2020 constant dollar values, or dollar amounts adjusted in terms of constant purchasing power using the Consumer Price Index.

Operating Expense Funding Sources

Due to the COVID-19 public health emergency, funding sources were more evenly distributed in 2020. Exhibit 12 displays the differences in funding sources between 2019 and 2020. On average, directly generated revenues, including passenger fares, fund over a fifth (21.9 percent) of public transit operating expenses for urban agencies in the U.S. Local and State sources together fund more than 52 percent of operating expenses, at 29.0 percent and 23.4 percent respectively. Federal Government sources fund the remaining quarter (25.8 percent) of total operating expenses.

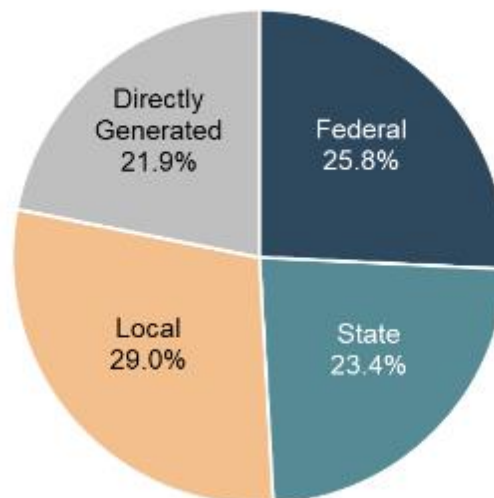


Exhibit 10. Funding Sources for Transit Operating Expenses

Public Health Emergency Funding and Transit

Beginning in RY 2020, transit agencies received funding from Federal programs such as the Coronavirus Aid, Relief and Economic Security Act (CARES), Coronavirus Response and Relief Supplemental Appropriations Act (CRRSAA), and the American Rescue Plan (ARP). In RY 2020, 353 transit agencies spent over 6.7 billion dollars from these programs, mostly on operating expenses.

Public Health Emergency Funding Sources as Percentage of Total Federal Funds			
Expenditure Type	Public Health Emergency Funds	Other Federal Funds	Percent of Total
Expended on Operations	\$6,700 M	\$6,927 M	49.17%
Expended on Capital	\$13 M	\$8,344 M	0.16%

Exhibit 11. COVID-19 and Federal Funding Sources

Operating Expenses

Operating funds are the funds transit agencies receive from Federal, State, local, and directly generated sources that are applied to operating expenditures. Transit agencies report these funds in the year that they earn them, according to accrual accounting principles.

Transit agencies use Federal funds to cover some of the operating costs of providing transit service.

Operating funding sources are mostly made up of Federal, State, and local sources, as well as fare revenues.

Other sources include:

- Non-transportation funds,
- Subsidies from other sectors of operations, and
- Auxiliary funds such as advertising and concessions, charter service, freight tariffs.

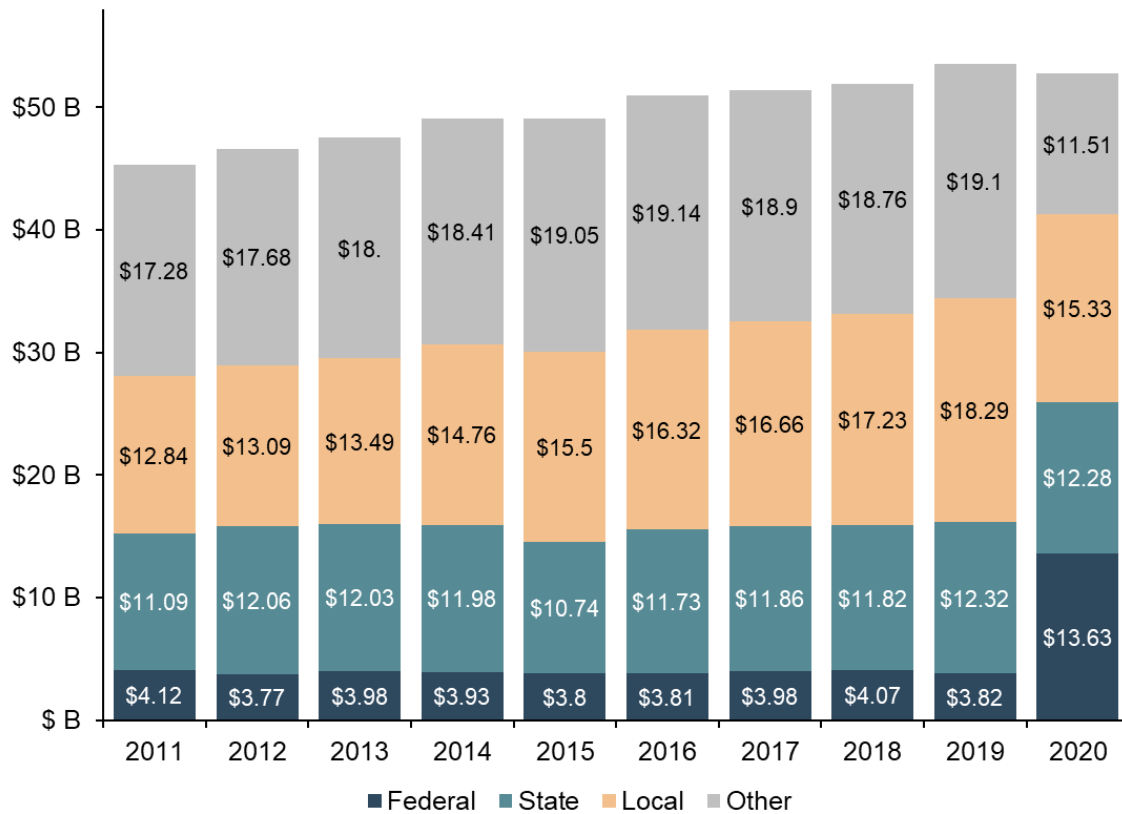


Exhibit 12. Total Operating Funding by Source

The total amount of operating funds applied to transit operations (using 2020 constant dollars) increased 16.3 percent over the past ten years. New pandemic-related funding sources from CARES, CRRSAA, and ARP resulted in total Federal funding sources increasing 257.0 percent in 2020.

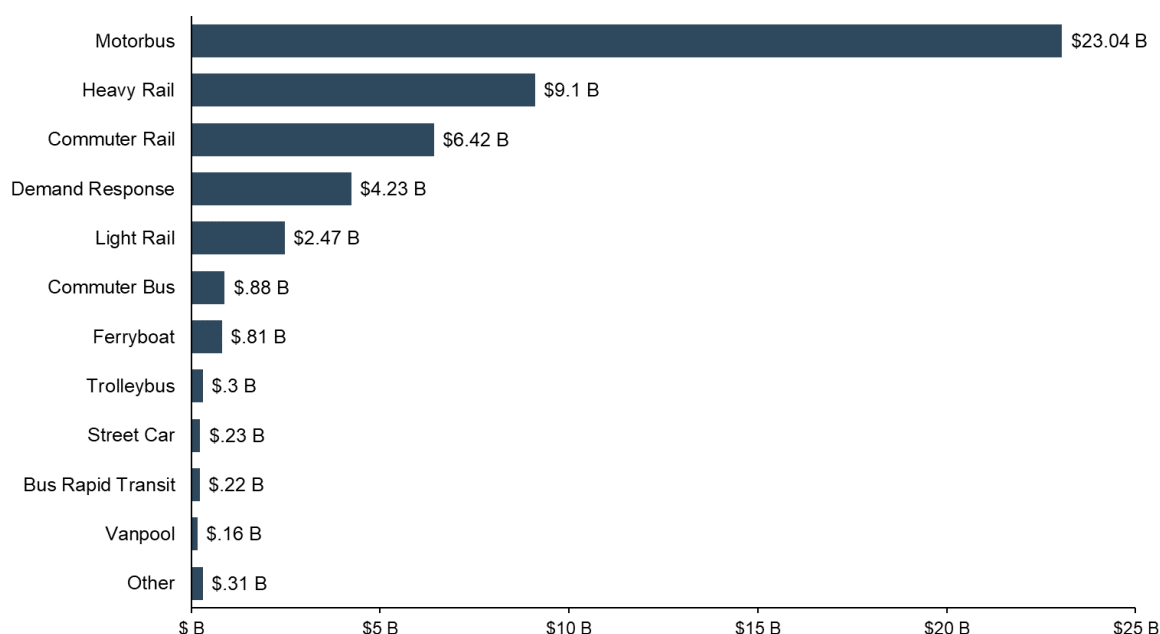


Exhibit 13. Total Operating Expenses by Mode (Billions)

Bus modes used the most significant portion of operating expenses, with \$23.0 billion expended. Heavy Rail and Commuter Rail also expended large portions of operating expenditures, \$9.1 billion and \$6.4 billion respectively.

Operating Expenses by Function and Object Class

Agencies must report finances according to the Uniform System of Accounts (USOA). The USOA contains the basic accounting structure required by Federal transit laws. Agencies must report operating expense data by mode, function, and object class. Functions refer to the activity performed, while object classes refer to the type of goods or services purchased.

Agencies reporting as Reduced Reporters are not required to classify their operating expenses by function and object; therefore, data from agencies reporting as Reduced Reporters are not included in Exhibits 14, 15, and 16.

Full Reporting agencies group their operating expenses in the four functions listed below:

- Vehicle Operations,
- Vehicle Maintenance,
- Facility Maintenance, and

- General Administration.

Funds used for Vehicle Operations account for 50.2 percent of all operating expenses.

Transit agencies are required to report operating expenses data into specific object classes. The NTD uses the following object classes for Full Reporters:

- Labor
 - Operators' Salaries and Wages
 - Operators' Paid Absences
 - Other Salaries and Wages
 - Other Paid Absences
 - Fringe Benefits
- Services
 - Materials and Supplies
 - Fuel and Lubricants
 - Tires and Tubes
 - Other Materials and Supplies
 - Utilities
 - Casualty and Liability Costs
 - Taxes
 - Miscellaneous Expenses

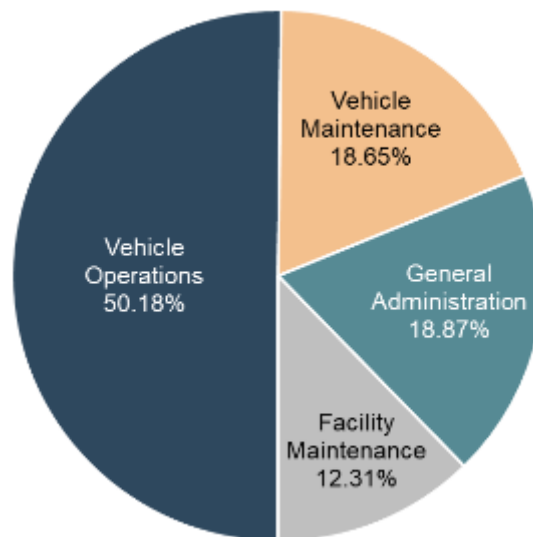
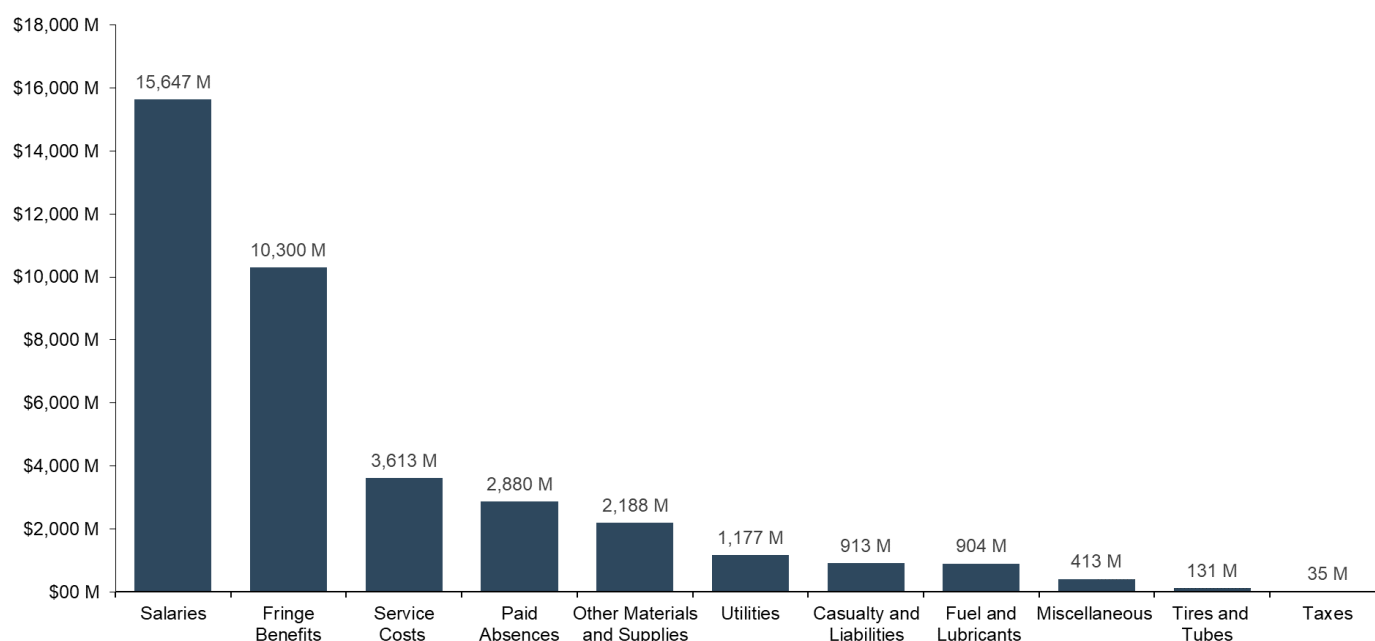


Exhibit 14. Operating Expenses by Function

Cost Function	Operating Expenses (Millions)
Vehicle Operations	\$23,788 M
Vehicle Maintenance	\$8,842 M
General Administration	\$8,944 M
Facility Maintenance	\$5,834 M
Total	\$47,408 M

Exhibit 15. Operating Expenses by Function (Millions)

Salaries decreased 4.8 percent in RY 2020 to \$15.7 billion, down from \$16.4 billion in RY 2019. During that same time, paid absences increased 10.4 percent to \$2.9 billion, compared with \$2.6 billion in RY 2019.

**Exhibit 16. Operating Expenses by Object Class**

Capital Expense Funding Sources

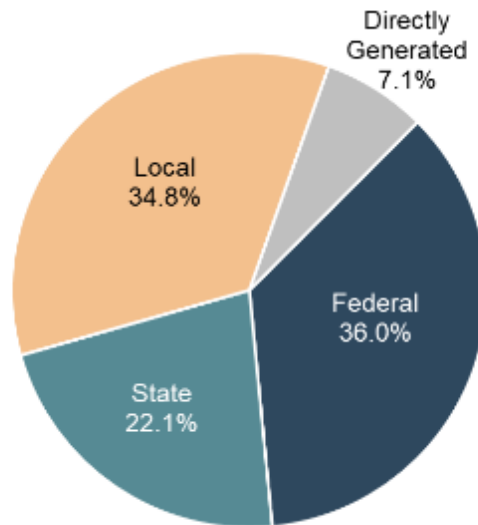


Exhibit 17. Funding Sources for Capital Expenses

Transit operators spend resources not only on operations but also on constructing, acquiring, and improving the systems and equipment used to operate transit service. These improvements are called Capital Expenses.

The funding support for Capital Expenses differs from operational expenditures. In 2020, about 36 percent of all capital funds came from Federal sources. Directly generated funds from transit agencies, including fares, account for about 7 percent of funds for capital expenditures. Local and State governments provide almost 57 percent of capital funding.

Capital Expenses

Transit agencies report Capital Expenses by project category. Agencies group their capital expenses into the categories listed below:

- Guideway
- Passenger stations
- Administrative buildings
- Maintenance facilities
- Revenue vehicles
- Service (non-revenue) vehicles

- Fare-revenue collection equipment
- Communication and information systems
- Other

Using 2020 constant dollars, the total capital funds applied to transit operations increased 27.8 percent over the past ten years.

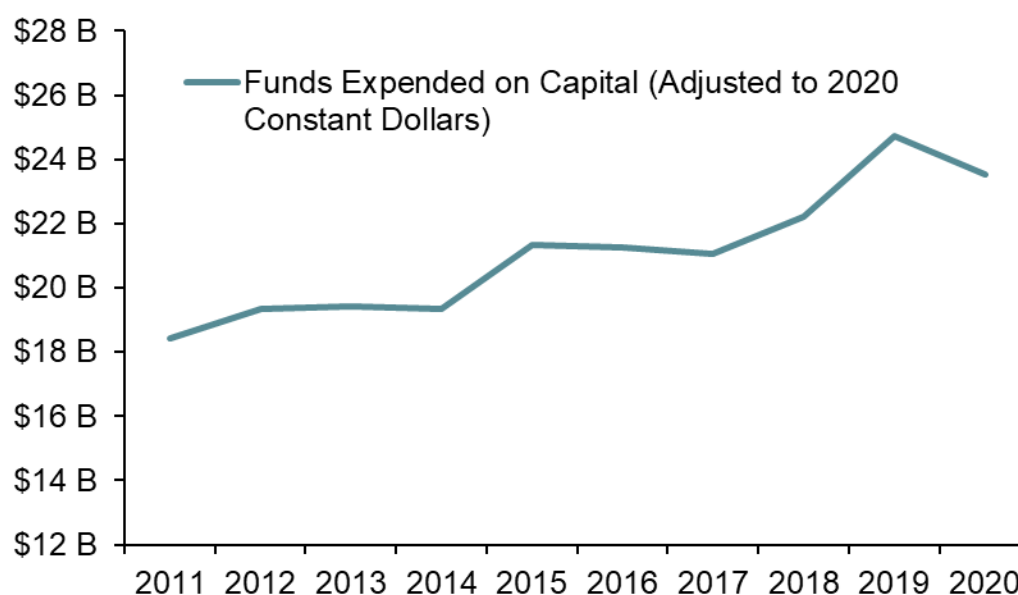


Exhibit 18. Total Capital Expenditures

Farebox Recovery

Transit agencies do not set passenger fares based on the cost of each trip. In 2020, for each dollar spent on operating costs per trip across all modes and all transit systems, 18.4 cents are recovered through fares. This is a 43 percent decrease from the 2019 fare recovery ratio of 32.3 cents per dollar spent on operating expenses, resulting from the COVID-19 public health emergency.

The fare box recovery ratio is the percentage of a trip's operating costs recovered through passenger fares. This ratio varies by mode. The low recovery ratios on Demand Response services are due to a lower average passengers per hour compared to other modes. The low ratios are also due to the ADA fare regulations, which prohibit ADA fares from being more than twice the cost of regular transit fares.

Commuter services such as Commuter Rail, Commuter Bus, and Vanpool have relatively high farebox recovery ratios. These services are often scheduled based on passenger

demand and limited service or no service is scheduled during off-peak, low-passenger-demand periods. Vanpool transit also has a high ratio because the drivers are not paid (usually one of the passenger's drives), and because Vanpool service has traditionally been funded by rider fees, with limited or no government subsidies.

In contrast, other fixed-route non-rail modes, light rail, and streetcar modes typically schedule service based on passenger demand during commuting hours and on policy guidelines during off-peak periods (midday, evenings, and weekends). The resulting farebox recovery ratios are, therefore, lower than other modes. Heavy Rail typically serves high-density travel corridors with passenger demand throughout the day, which yields relatively high farebox recovery ratios.

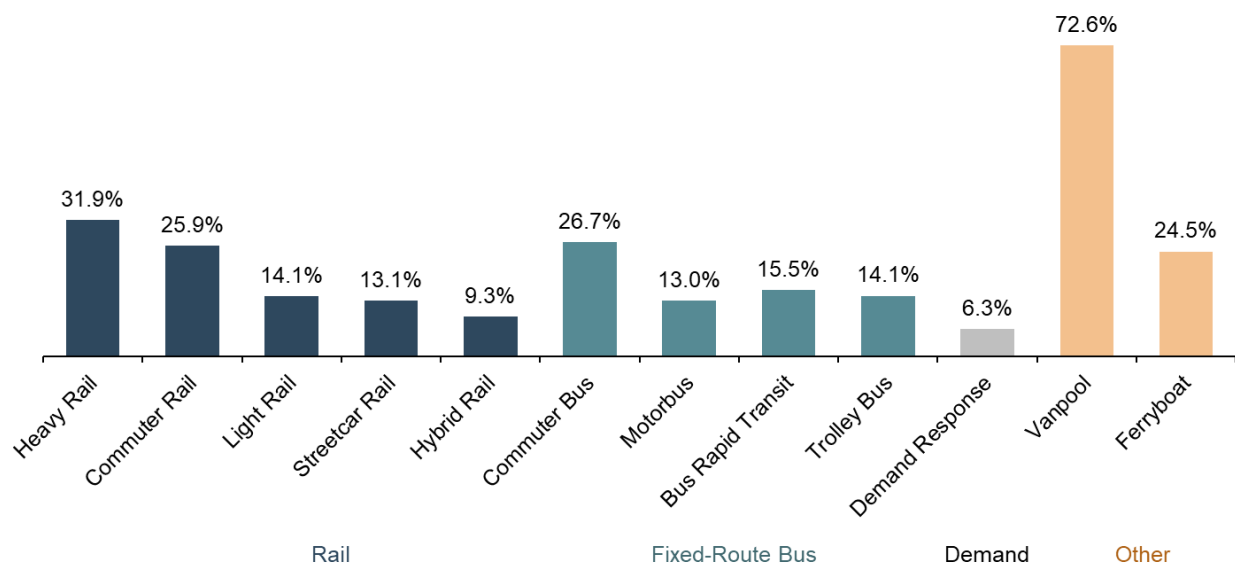


Exhibit 19. Fares as a Proportion of Operating Expenses

Total Federal Assistance Applied to Transit and Unlinked Passenger Trips

FTA uses Federal funds to offset operating, capital, and planning costs for agencies. Due to COVID-19, ridership decreased 41.6 percent from 2019 and Federal assistance for transit (2020 constant dollars) increased 83.0 percent.

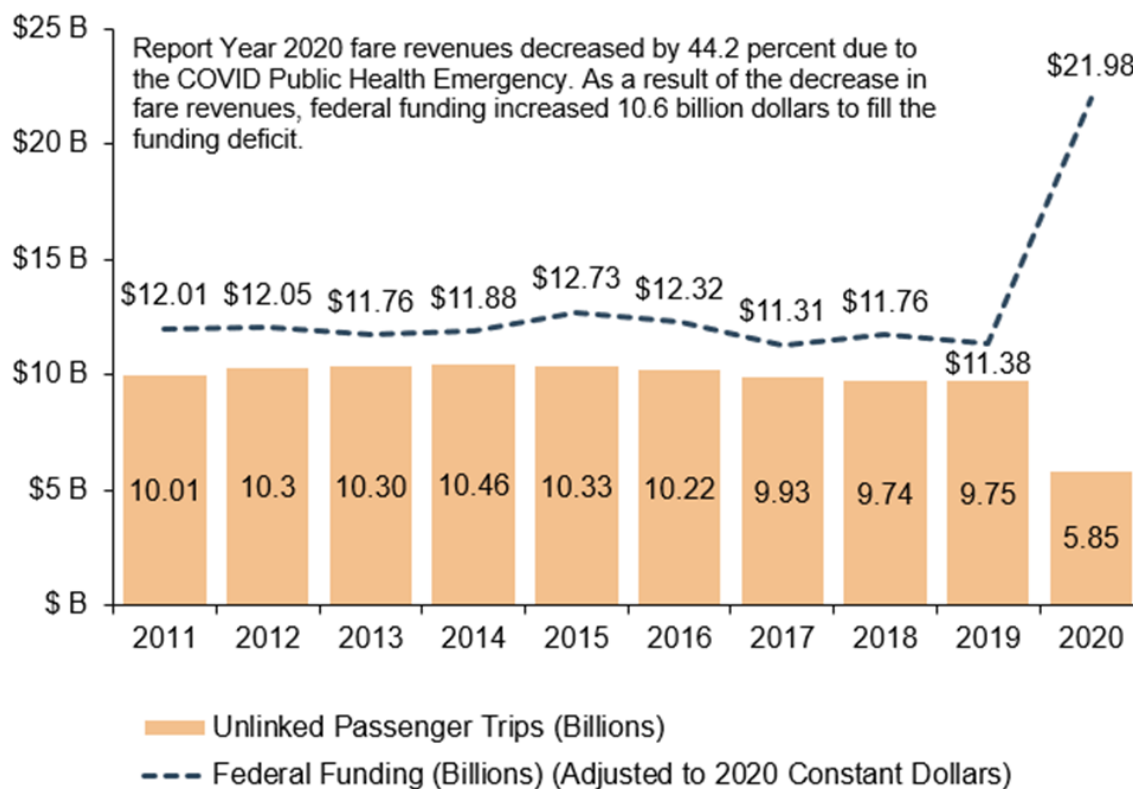


Exhibit 20. Unlinked Passenger Trips and Funds Applied to Transit (2011–2020)

Small UZAs received the highest amount of Federal operating assistance per trip, an average of \$4.13 of Federal funding for every passenger carried.

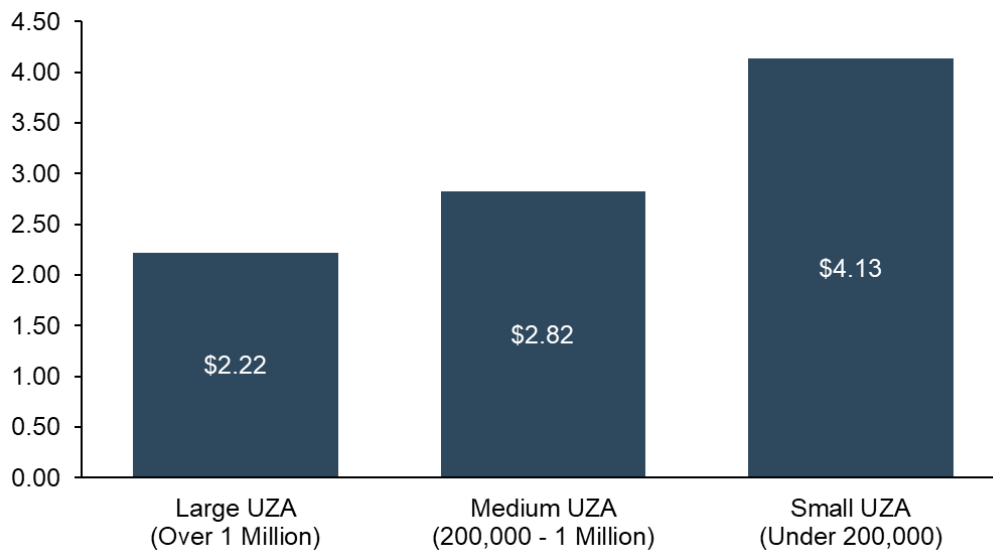
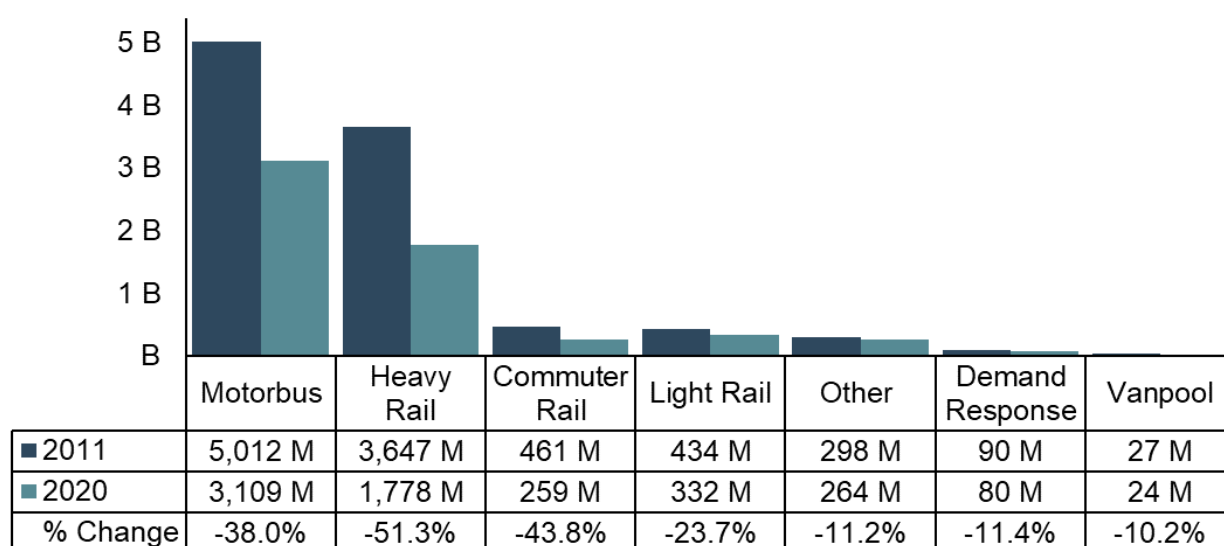


Exhibit 21. Federal Operating Assistance per Trip by Urbanized Area Size

Urban Transit Service Provided and Consumed

Service is provided and consumed differently for every transit mode. Service factors and expenses depend on the operating costs, travel demands, and passenger-carrying capacities of the different modes. These factors greatly affect the relative cost-effectiveness of the different modes. The exhibits in the following section reflect transit operating statistics across the most common modes of service.

Service Consumption

**Exhibit 22. Unlinked Passenger Trips, 10 Year Snapshot**

Approximately 83.6 percent of urban agency public transit ridership occurs on Motorbus and Heavy Rail services. Total urban transit ridership across all modes decreased 41.4 percent over the ten-year period.

At the mode level, the ridership trends were more dramatic. Motorbus ridership for Urban Reporters declined 38.0 percent, while ridership on other modes also decreased. Over that ten-year period, the following modes experienced decreases in ridership:

- Heavy Rail: 51.3 percent
- Commuter Rail: 43.8 percent
- Motorbus: 38.0 percent
- Light Rail: 23.7 percent
- Demand Response: 11.4 percent
- Other: 11.2 percent
- Vanpool: 10.2 percent

Total urban transit ridership has decreased significantly from 2011 to 2020, going from about 9.97 billion passengers to 5.85 billion passengers. However, there were differences in the ridership trends between rail and non-rail services. Rail ridership decreased from 4.94 billion to 2.48 billion UPT. Non-rail ridership had a less dramatic decrease, from 4.82 billion to 3.35 billion UPT.

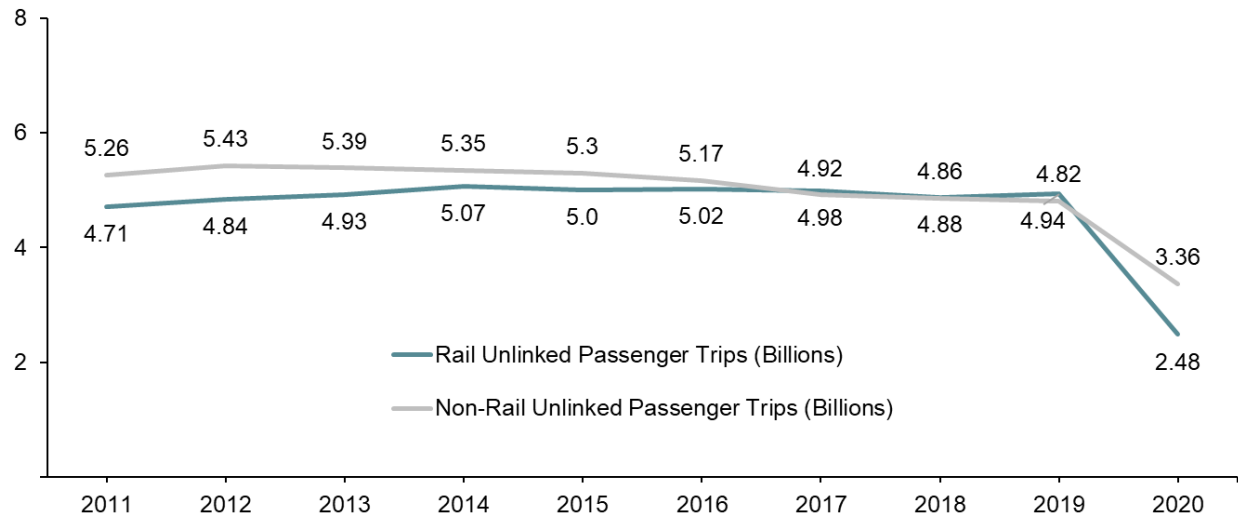


Exhibit 23. Unlinked Passenger Trips, Time Series

Passenger Miles Traveled (PMT) is the total number of miles traveled by all passengers on a service. Similar to the UPT data, most transit passenger miles occur on Motorbus and Heavy Rail modes. Over 65 percent of urban passenger miles are on Motorbus (36.8 percent) and Heavy Rail (28.4 percent) services. We also see that over 19.1 percent of total passenger miles are consumed on Commuter Rail services.

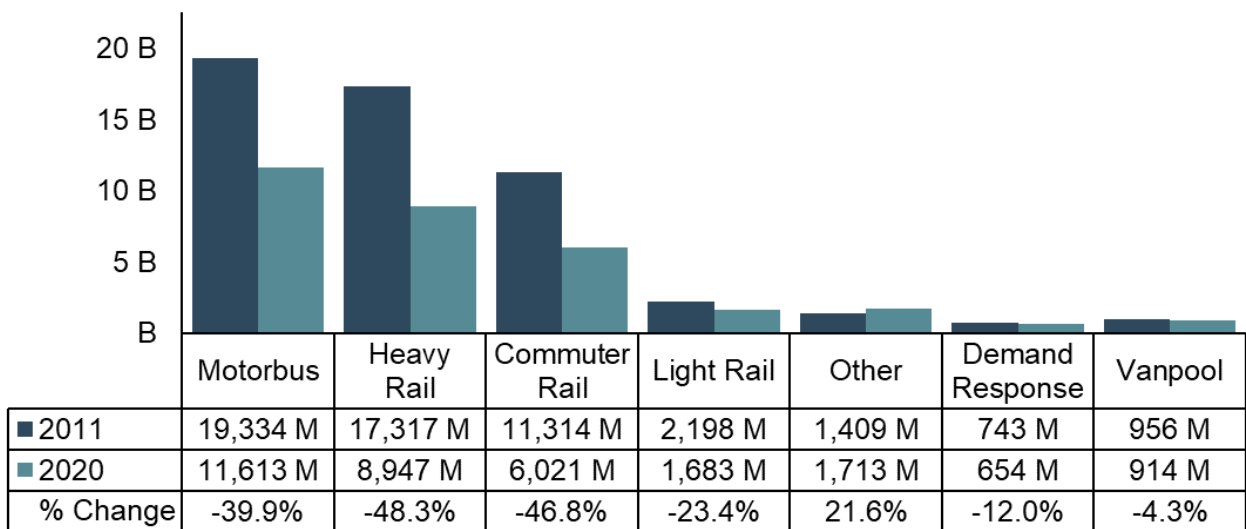


Exhibit 24. Passenger Miles Traveled, 10-Year Snapshot

There was a similar decrease in both urban transit ridership and PMT across this ten-year period, as PMT reflects a 40.8 percent decrease from 2011 to 2020. Vanpool was the mode with the smallest decline in PMT of 4.3 percent.

Service Consumed on Common Transit Modes, 2011–2020

The total number of UPT (individual boardings on public transit vehicles) in 2020 is 5.85 billion. Compared to 2011, the total number of UPT decreased by 4.1 billion trips, as shown in Exhibit 25. (Please note that Exhibit 25 includes data reported to both the urban and rural modules of the NTD.)

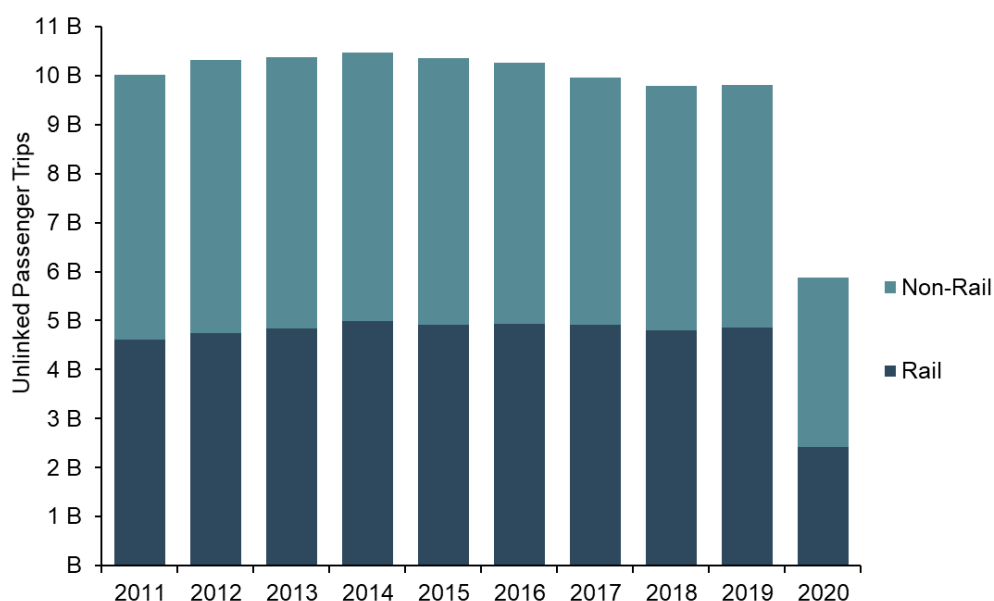


Exhibit 25. Annual Ridership for Rail Modes Compared to Non-Rail Modes

The total PMT in 2020 is 31.6 billion. Compared to 2011, there were about 21.8 billion fewer PMT, consistent with the trend for ridership (UPT). The average trip length decreased slightly from 5.48 miles to 5.45 miles for passengers using public transit. Please note that the data in Exhibit 26 only includes Full Reporters, as they are the only reporters that submit PMT data.

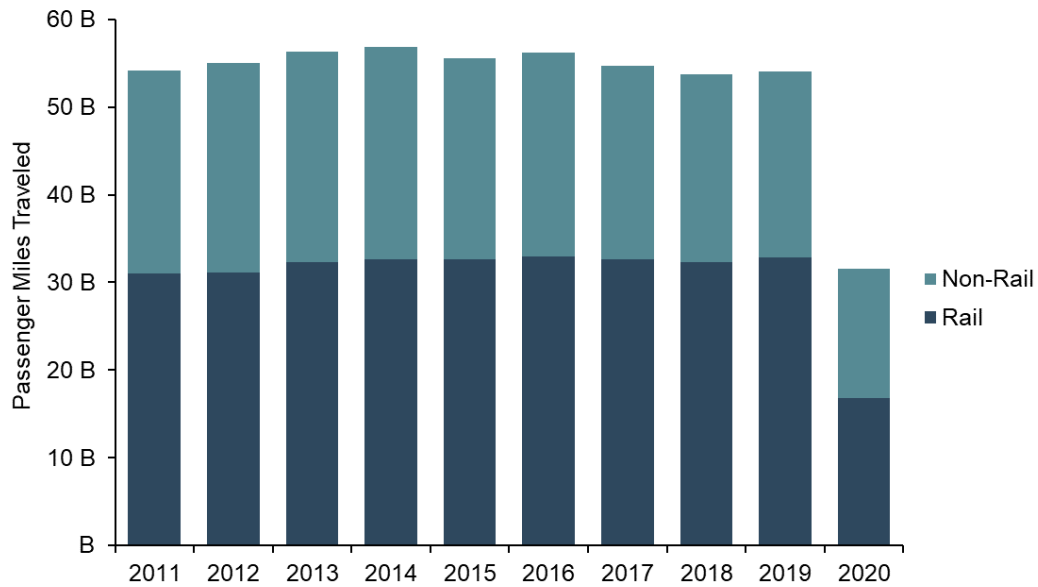


Exhibit 26. Annual National Passenger Miles Traveled

Motorbus and Other Non-Rail Modes

The Motorbus and Demand Response modes carry the most non-rail passengers. Non-rail modes are usually street running but also include unique modes such as Aerial Tramway and Ferryboat. Some of these unique modes are discussed at the end of this document.

Motorbus Ridership

The Motorbus mode accounts for the most service consumed by passengers of any rail or non-rail mode. This mode uses rubber-tired passenger vehicles operating on fixed routes and schedules over roadways. Vehicles are powered by a motor and fuel or electricity stored onboard the vehicle. Other fixed-route bus modes include Commuter Bus and Bus Rapid Transit. These modes are grouped together as “Fixed-Route Bus” in Exhibit 27, which captures PMT reported by Full Reporters. Fixed-route bus modes account for 3.2 billion UPT, down from 5.0 billion in 2011.

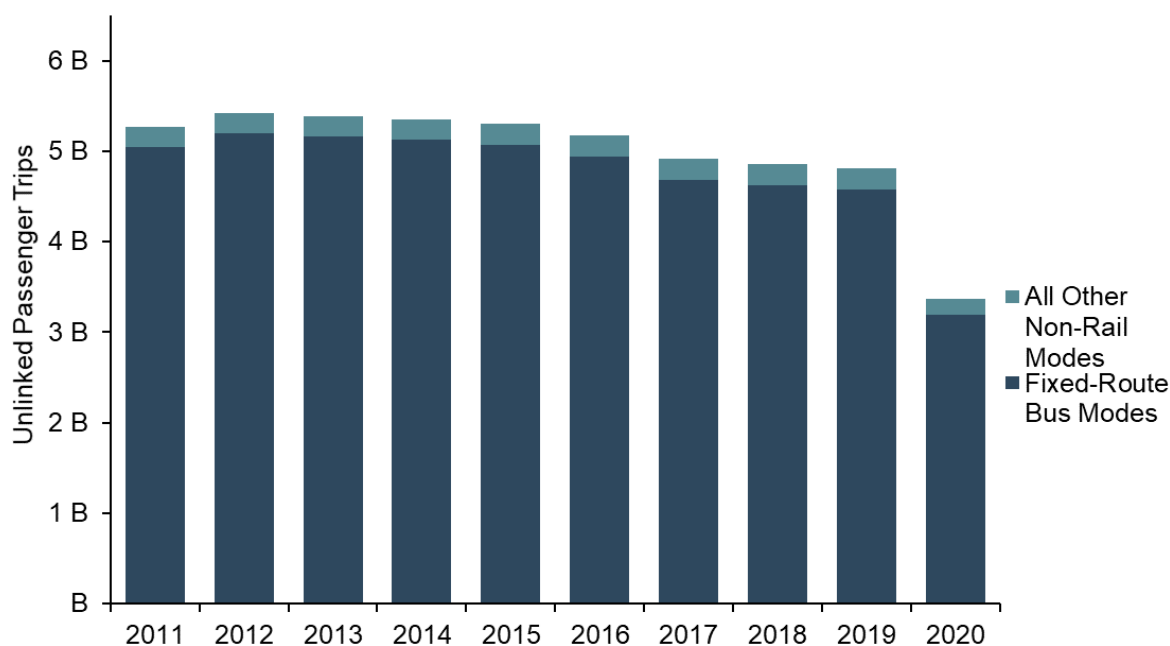


Exhibit 27. Decrease in Fixed-Route Bus Ridership (2011–2020)

Rail Modes

Exhibit 28 shows that, as of FY 2020, rail modes account for 2.4 billion UPT — down from 4.6 billion in 2011. Rail’s share of national ridership decreased from 45.2 percent in 2011 to 41.5 percent in 2020.

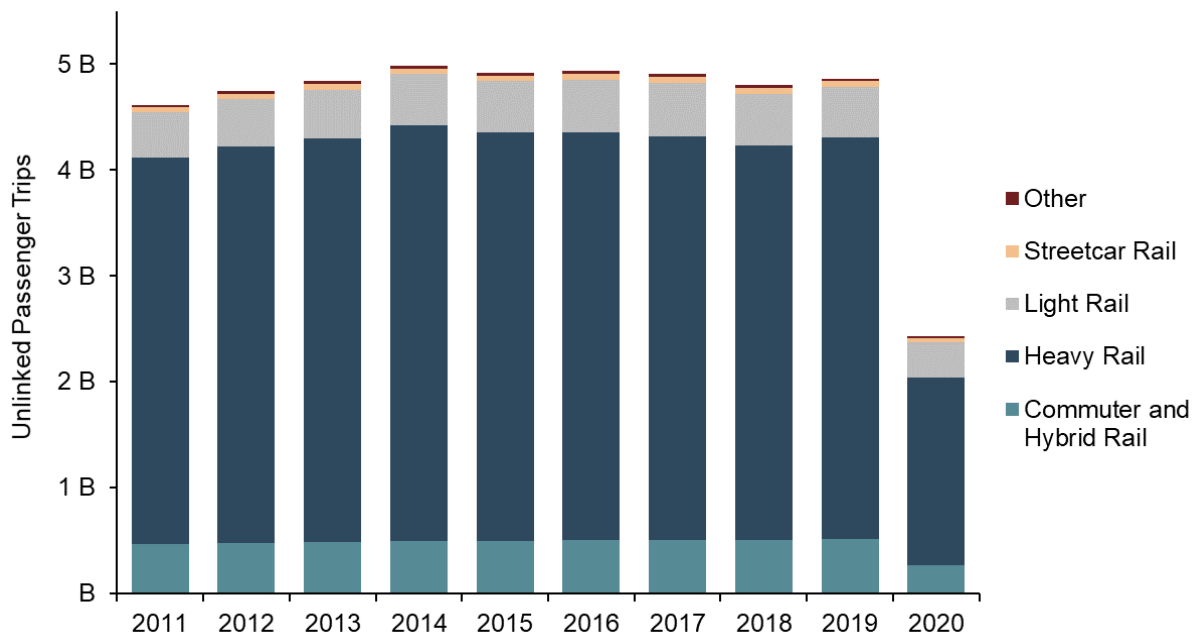


Exhibit 28. National Total Rail Ridership Annual Variation Driven by Heavy Rail (2011–2020)

The year-to-year variation in rail ridership is driven by the Heavy Rail mode. While Light Rail and Commuter Rail modes rarely exceeded +/-1 percent annual variation in UPT (2020 being the exception), Heavy Rail exhibited consistent increases from 2011–2014 of over 2 percent. The annual total Heavy Rail UPT in 2020 decreased 51.3 percent (or around 2.012 billion UPT).

Heavy Rail

Heavy Rail mode is an electric railway with the capacity for a heavy volume of traffic — such as subway systems. Heavy Rail is characterized by:

- High-speed and rapid-acceleration passenger railcars typically operating multi-car trains,
- Separate rights-of-way (ROW) from which all other vehicular and foot traffic are excluded,
- Sophisticated signaling, and
- High platform loading.

Heavy Rail mode makes up about 78.5 percent of all rail mode ridership reported to the NTD from 2011–2019. In 2020, Heavy Rail still accounted for 73.2 percent of total rail ridership, and it remains the primary mode of passenger conveyance by rail.

Light Rail

Light Rail mode operates via electric railway with a light volume traffic capacity compared to Heavy Rail. It is characterized by:

- Passenger railcars operating singly (or in short, usually two-car, trains) on fixed rails in shared or exclusive ROW,
- Low or high platform loading, and
- Vehicle power drawn from an overhead electric line via a trolley or a pantograph.

Light Rail makes up about 13.7 percent of national rail ridership as of FY 2020. There are more Light Rail modes in operation in the U.S. than Heavy Rail modes, as depicted in Exhibit 29. In recent years there has also been an increase in use of the Streetcar mode, a variant of the Light Rail mode. Streetcar mode usually operates with one- or two-car passenger trains and may use antique railcars or replicas, or modern vehicles.

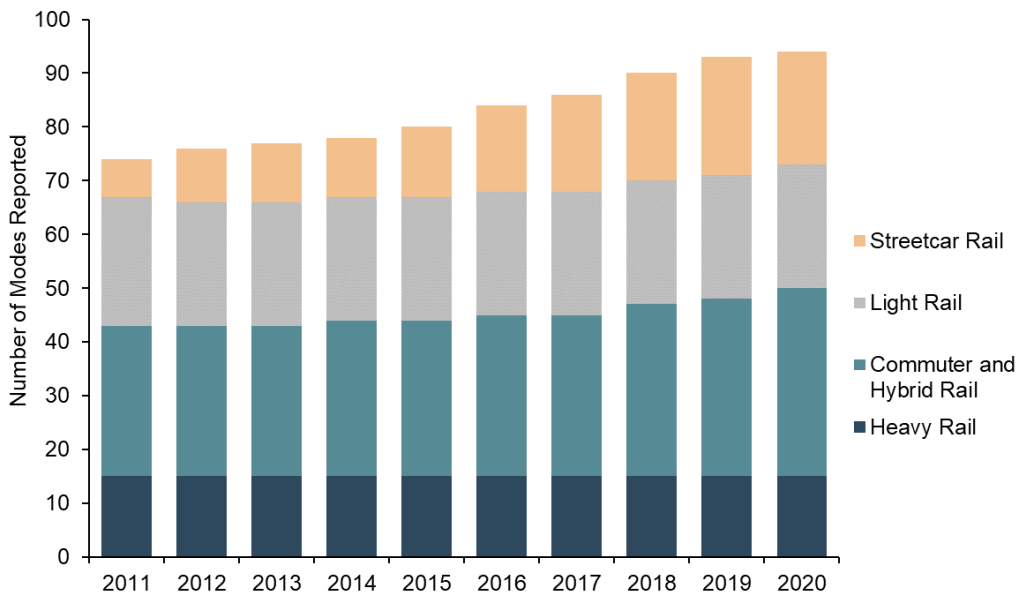


Exhibit 29. Light Rail and Streetcars Are More Prevalent Over Time

Commuter Rail

Commuter Rail makes up 10.9 percent of the national rail ridership. Commuter Rail connects outlying areas to central areas of a city. On average, in 2020 a Commuter Rail rider traveled 23.2 miles, while a Heavy Rail mode rider traveled 5.0 miles. Exhibits 30 and 31 compare the two modes in terms of passengers served and miles traveled.

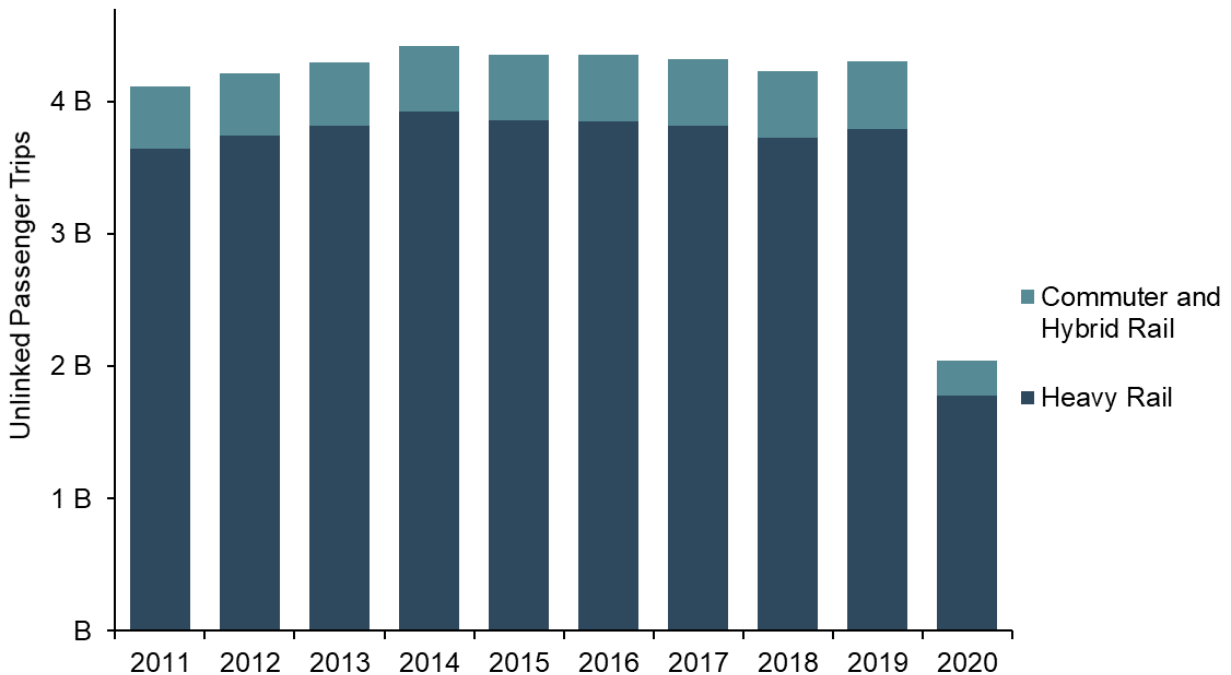


Exhibit 30. Heavy Rail Has Much Higher Annual Ridership Than Commuter Rail (2011–2020)

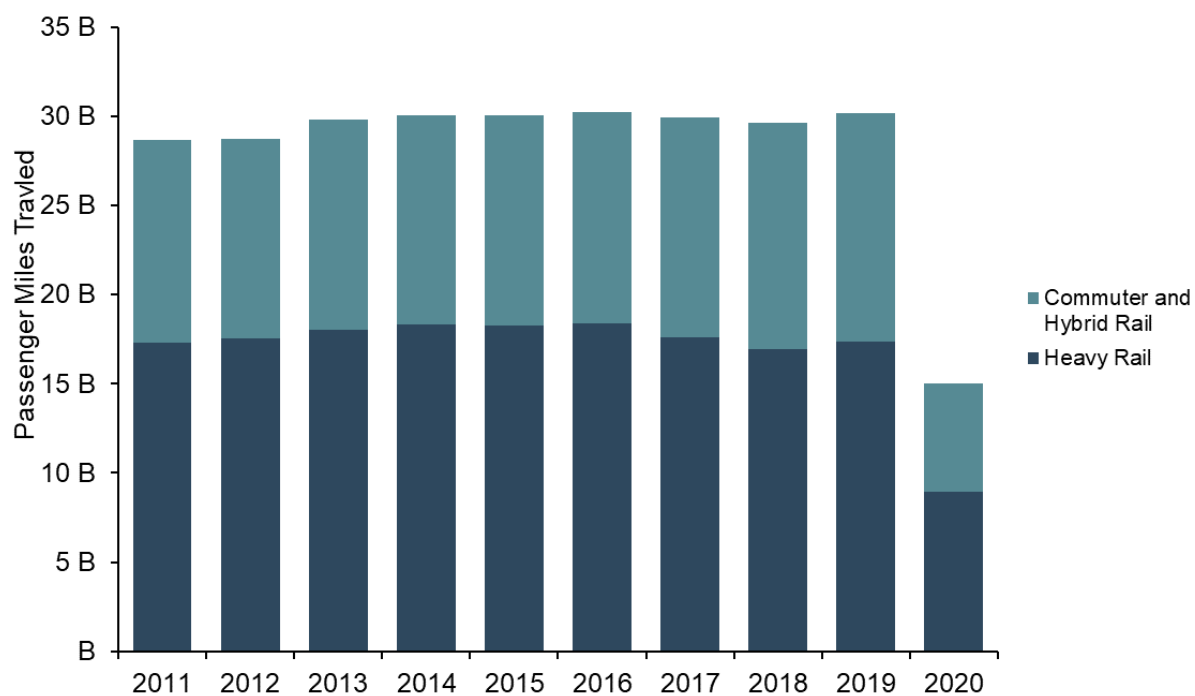


Exhibit 31. Heavy Rail Contributes More Passenger Miles Traveled than Commuter Rail and Hybrid Rail Combined (2011–2020)

Service Characteristics

Average Revenue Speed

Average Revenue Speed reflects the average speed at which vehicles are traveling while in revenue service carrying passengers. This is calculated by dividing Total Actual VRM by Total Actual VRH.

The exhibit below shows that the two modes with the highest average revenue speed are Vanpool (38.7) and Commuter Rail (30.0). These high speeds reflect long-distance travel with widely spaced stops. The lower speeds on modes such as Streetcar, Motorbus, Bus Rapid Transit, and Trolleybus reflect closely spaced stops on city streets.

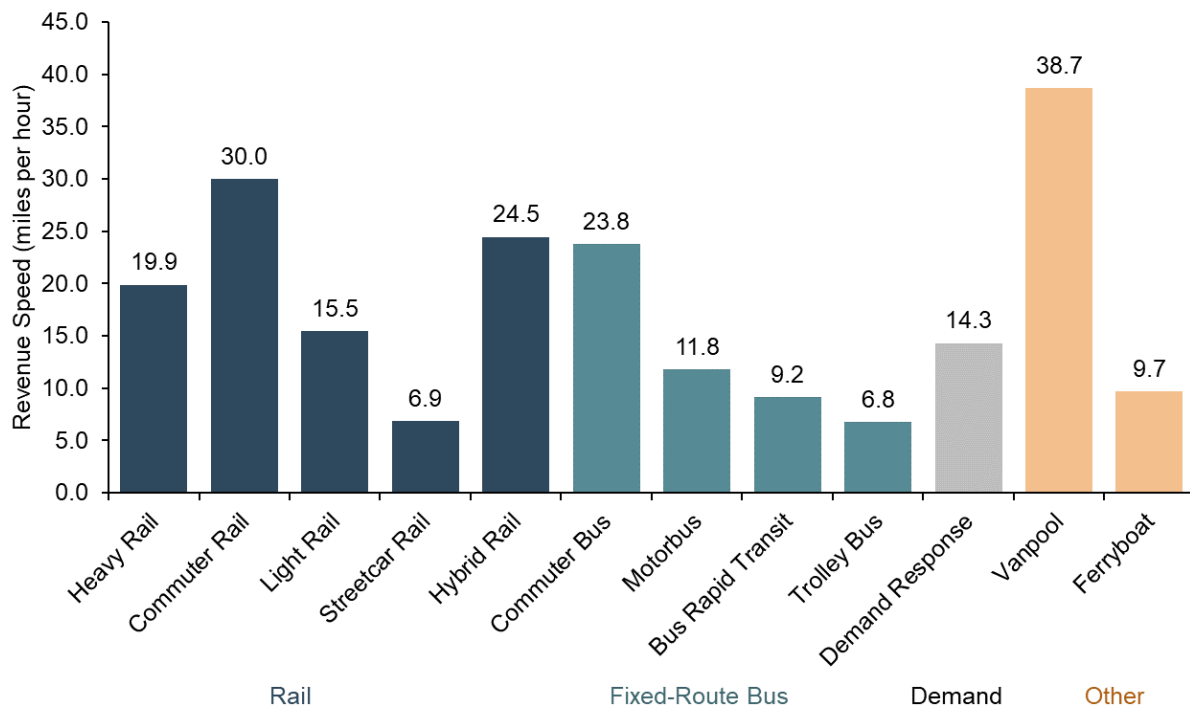


Exhibit 32. 2020 Average Revenue Speed

Average Trip Length

Average Trip Length is the average distance traveled per trip by a single passenger. This average is calculated by dividing the total PMT by the total UPT.

The exhibit below shows that the three urban transit modes with the longest average trip length are Vanpool (38.0 miles), Commuter Rail (23.2 miles), and Commuter Bus (23.1 miles). All three of these services focus on daily commuting over long distances from suburban areas to central cities. In contrast, the fixed-route bus and rail modes typically serving travel within central cities have much shorter average trip lengths.

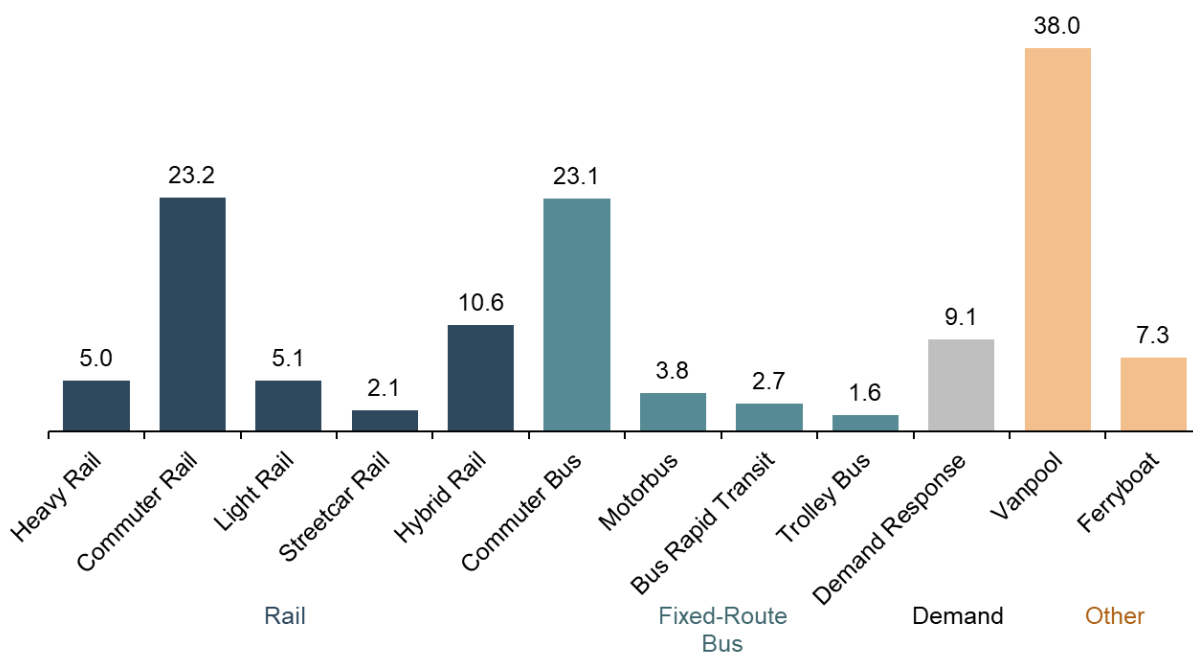


Exhibit 33. 2020 Average Trip Length

Average Vehicle Capacity

Average Vehicle Capacity is the number of passengers an average transit vehicle could potentially carry at one time. This figure includes both seating and standing capacity. The NTD calculates this figure by adding the seating and standing capacity numbers together and dividing that total by the number of active vehicles.

The exhibit below illustrates that the Ferryboat mode has a much larger capacity than other modes (609.1 passengers). Rail modes have the next largest vehicle capacity and are typically used on high-density travel corridors (rail vehicle capacity is shown as capacity per passenger car, not per train). Fixed-route bus modes have moderate vehicle capacities and typically serve moderate-density travel markets. The demand response and vanpool modes have relatively low vehicle capacities and typically serve point-to-point travel markets with low ridership.

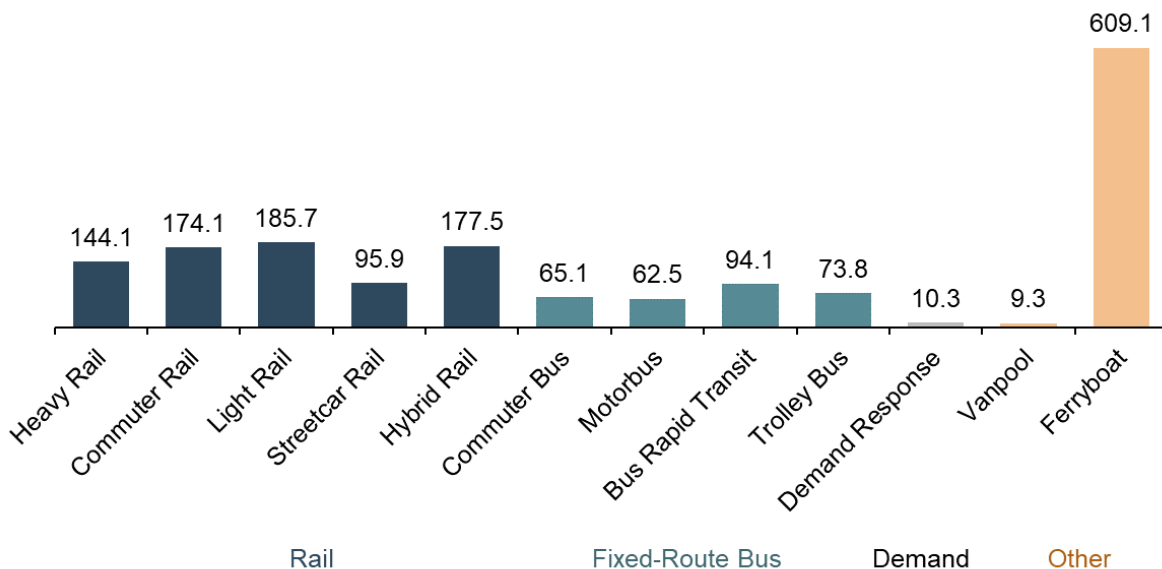


Exhibit 34. 2020 Average Vehicle Capacity

Service Effectiveness

One way to look at service effectiveness is to calculate **Passengers per Hour (PPH)**. This reflects how many passengers per vehicle are riding during a single hour of revenue service. PPH is calculated by dividing UPT by VRH.

The exhibit below shows that urban Ferryboat services report the highest number of PPH (132.1 PPH), followed closely by Heavy Rail (54.9 PPH). Demand Response services reported significantly lower passengers per hour (1.7 PPH) These results are consistent with vehicle capacities of the different modes shown in the exhibit above.

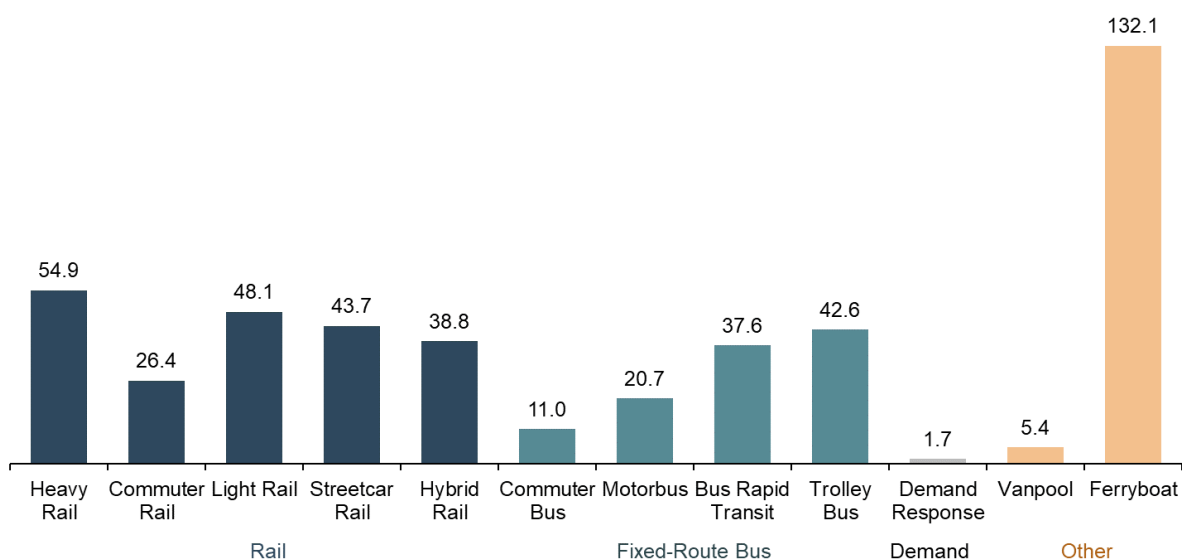


Exhibit 35. 2020 Passengers per Hour

Another way to compare service effectiveness is to examine the average number of passengers on board (this is commonly referred to in the NTD as Load Factor). **Average passengers on board** are calculated by dividing PMT by VRM.

Rail modes typically carry more passengers than fixed-route bus modes because rail modes have higher vehicle capacities and typically serve high-density travel corridors. Likewise, fixed-route bus modes carry more passengers than demand response and vanpool modes because of their higher vehicle capacities and because they typically serve medium-density travel markets. Ferryboat services carried far more passengers at one time (99.3 passengers) than any of the other modes.

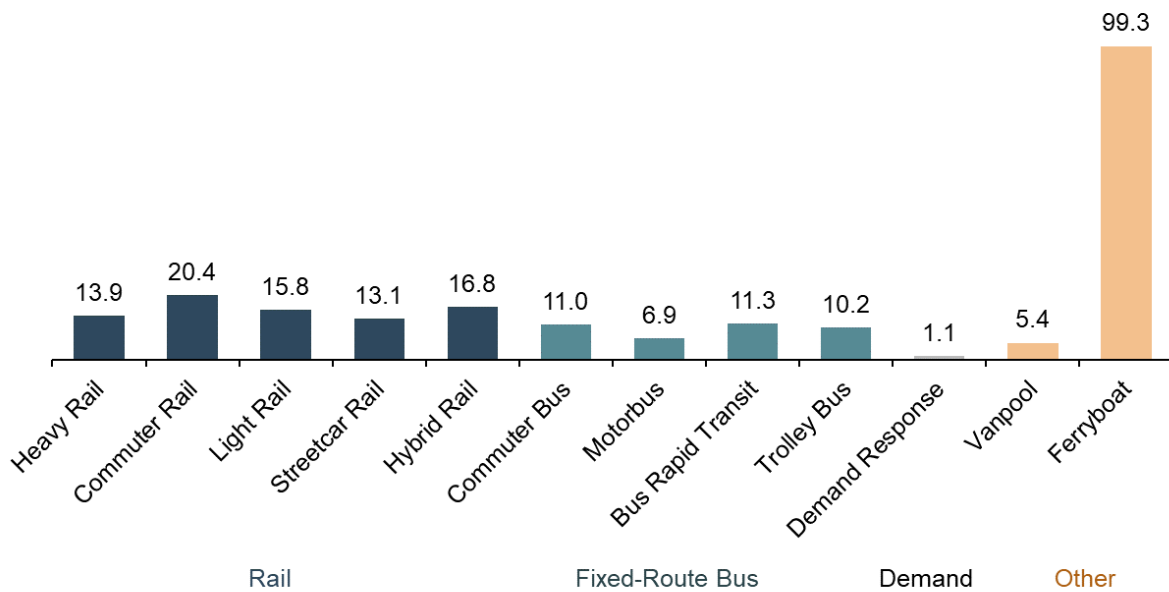


Exhibit 36. 2020 Average Passengers on Board

Vanpool services fill the highest percentage of the seating capacity (71.0 percent), mainly because they typically operate only one round trip per day. Streetcar Rail also has a high percentage of seating capacity, primarily because many rail cars are designed to maximize standing capacity.

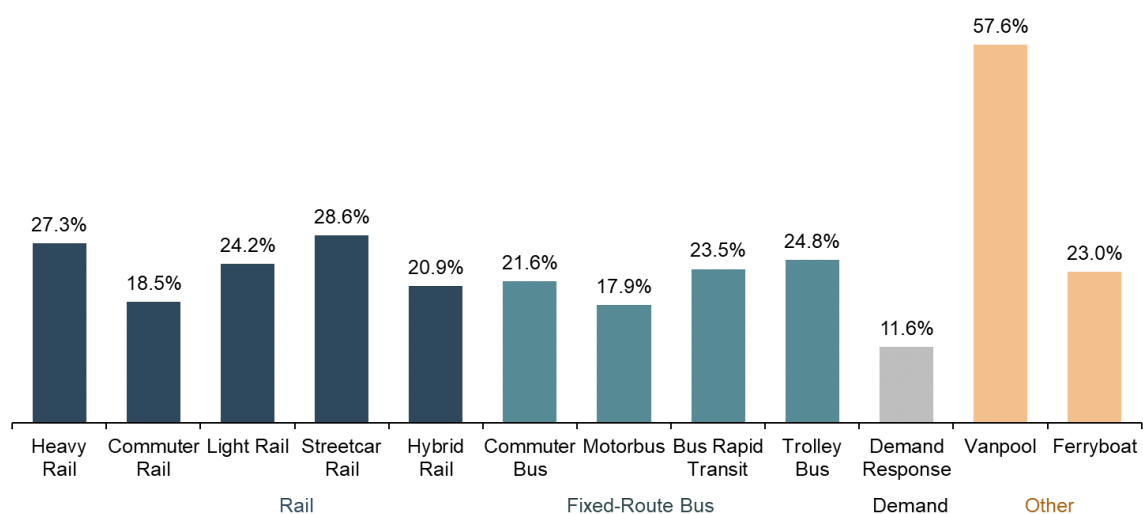


Exhibit 37. Average Passengers on Board as a Percent of Vehicle Seating Capacity

Cost Effectiveness

UPT is one way to measure service consumed by the riding public. It gives equal weight to passengers making short and long trips. PMT, however, gives more weight to longer trips than shorter trips.

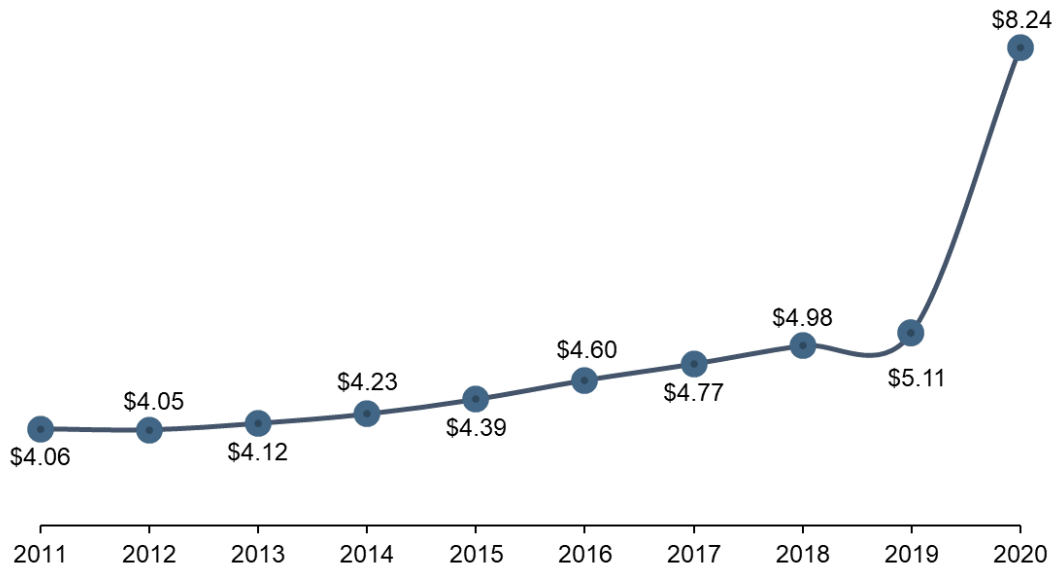


Exhibit 38. Total Operating Expenses per Unlinked Passenger Trips

When you consider these two different measures of service consumption, the respective average operating cost by mode is sometimes markedly different. The cost per UPT on Commuter Rail service (\$24.75), for example, is one of highest rates among the fixed-route bus and rail modes. However, the average trip length of 23.2 miles for Commuter Rail is high compared to the other fixed-route bus and rail modes (Exhibit 33). Therefore, the cost per PMT (\$1.07) is one of lowest rates among the fixed-route bus and rail modes.

The opposite is true of Motorbus, which had relatively low cost per UPT (\$7.41). However, it has a relatively low average trip length (3.8 miles) and thus a relatively higher cost per PMT (\$1.94).

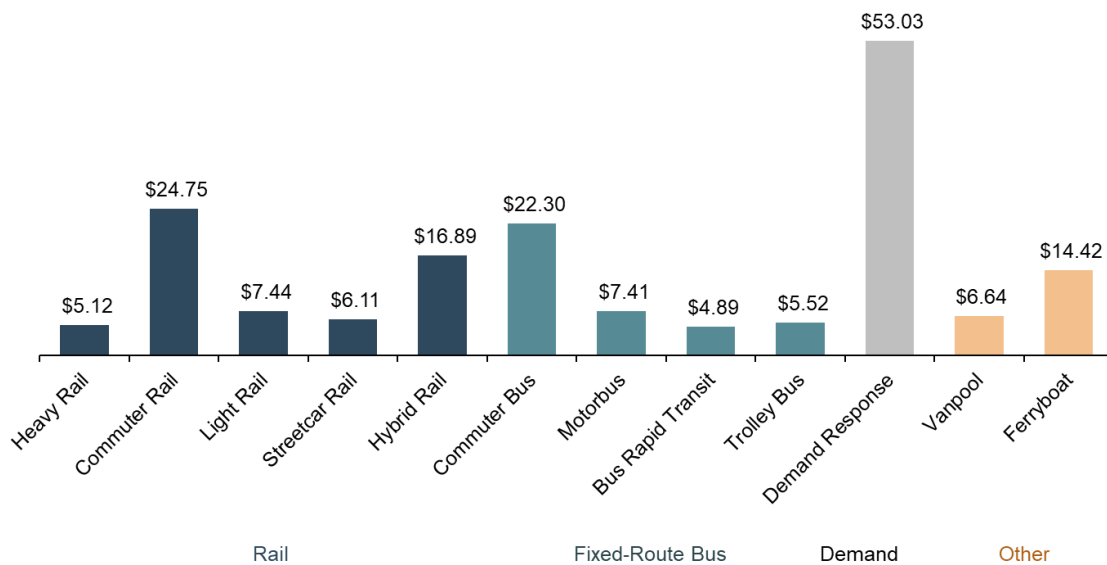


Exhibit 39. Operating Expenses per Unlinked Passenger Trips by Mode

Service Efficiency

One way to look at service efficiency is to calculate the cost per hour for each mode. **Cost per hour** is calculated by dividing Total Operating Expenses by VRH. The cost per hour represents the cost of operating one vehicle for one single hour.

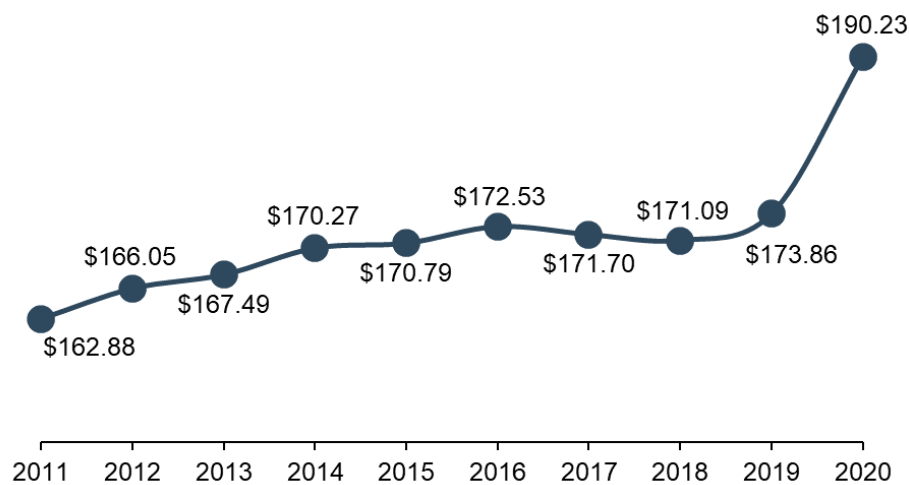


Exhibit 40. Total Operating Expenses per Vehicle Revenue Hour

The exhibit below shows that Ferryboat service cost the most to operate per hour (\$1,904.91), while Vanpool cost the least to operate per hour (\$36.18). Vanpool services operate with passengers driving the vehicles as opposed to paid drivers, which is a major reason for the low Vanpool costs compared to the other modes.

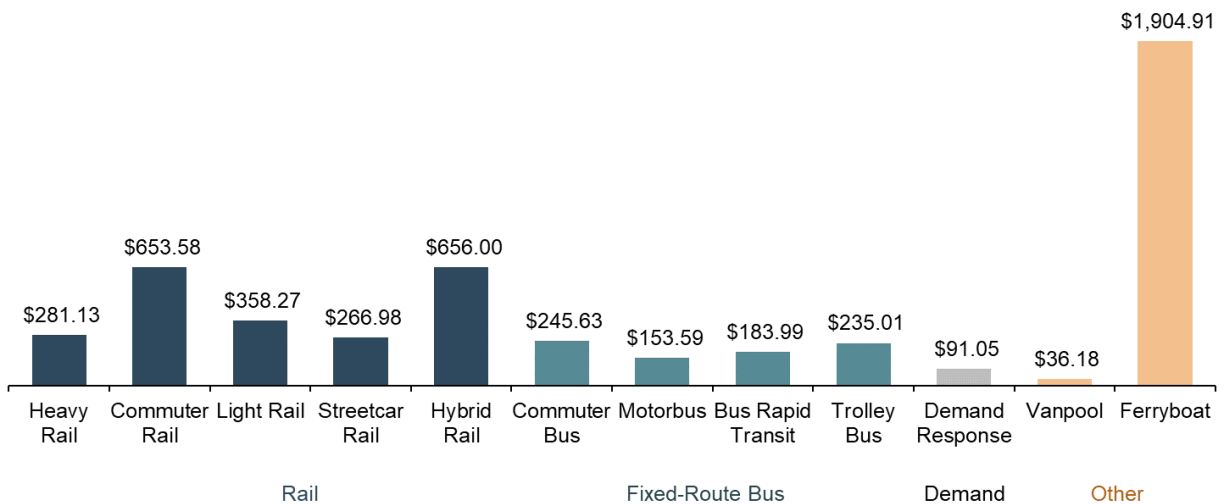


Exhibit 41. 2020 Cost per Hour

Fixed Guideway and High Intensity Busway

Public transit often operates on restricted guideway. FTA separates restricted guideway into two categories: Fixed Guideway (FG) and High Intensity Busway (HIB).

FG is a facility that uses separate ROW or rail exclusively for public transportation. FG may be a fixed catenary system useable by multiple forms of public transit (e.g., trolleybus, light rail, etc.). All rail, catenary, and ferryboat systems operate over FG.

HIB can be two types of roadways. HIB can either be: 1) exclusive to transit vehicles at some times and open to the general public at other times, or 2) restricted to high occupancy vehicles (HOV) at least part of the time.

Fixed-route bus systems may operate over FG, HIB, or publicly available roadway (mixed-traffic ROW).

The NTD collects Directional Route Miles (DRM) for FG, HIB, and mixed traffic. DRM are the total miles in each direction on a public transportation route. For example, if a transit provider operates revenue service on one mile of guideway in two directions, the NTD counts this as two DRM.

Fixed Guideway and High Intensity Busway Route Miles

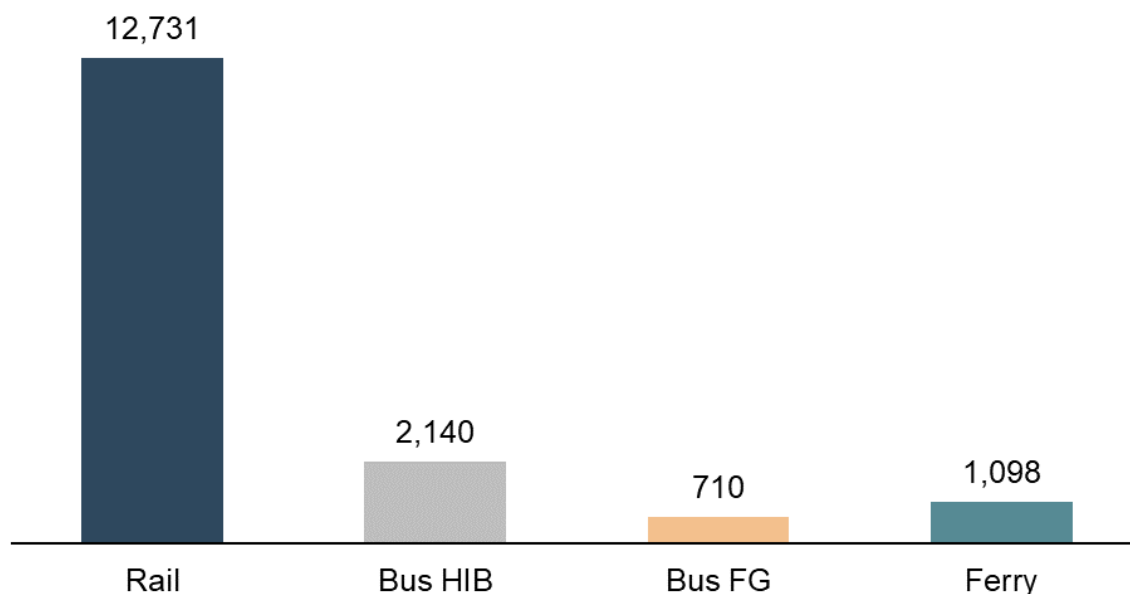


Exhibit 42. 2020 Fixed Guideway Directional Route Miles

Rail transit modes operate 76.3 percent of the total FG and HIB DRM. Fixed-route bus HIB and FG now collectively account for 17.1 percent of all DRM. Ferryboat FG comprises 6.6 percent of total FG DRM.

Fixed Guideway Concentration

Building separate infrastructures for public transit is costly. Dedicated rail transit only makes sense in high density areas with congested transportation and a high demand for travel alternatives.

The most populous cities in the U.S. have built, and now operate, a large proportion of FG transit. In 2020, seven UZAs accounted for over 47.1 percent (8,285.6 miles) of all FG route miles, an average of 1,183 FG miles per UZA. These UZAs (shown in the exhibit below) have all been among the top 15 in population in each census since 1860.

There are 98 other UZAs that have FG, which (along with rural Alaska) account for 9,302.6 miles of FG, or about 52.9 percent of all FG route miles. These UZAs have an average of 94.9 FG miles, eight percent that of the average seven largest UZAs.

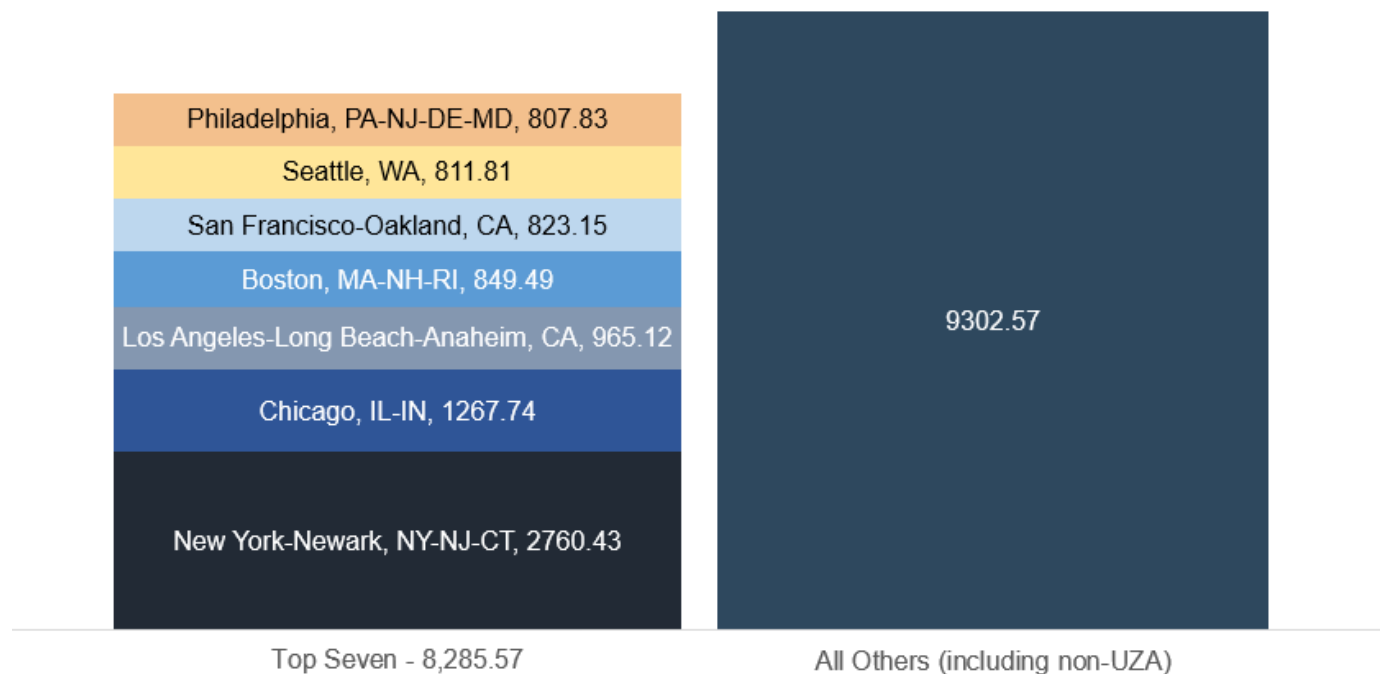


Exhibit 43. UZAs with Most Fixed Guideway Directional Route Miles

Safety and Security for Urban Transit

What is Safety and Security reporting?

NTD Safety and Security reporting requires all reporters to provide the number of safety and security events that take place or involve transit system property and the resulting fatalities and injuries. (Only fatalities or injuries that meet any one of several criteria listed in the [NTD Safety & Security Policy Manual](#) need to be reported.)

Safety and Security for Urban Transit

Safety and Security reporting is a key element of NTD reporting. This reporting provides data that can measure service performance and identify areas for improvement. The following are important considerations regarding Safety and Security data reported to the NTD:

- All safety data presented are sourced from Calendar Year (CY) 2020 NTD major event reports. At the time of this document's publication, NTD reporters could still add, modify, and delete major event data for CY 2020. As such, these data are considered "preliminary," and numbers may change based on ongoing validation activity.
- The analyses in this document use CY service data to calculate safety rates. These data are sourced from the NTD's Monthly Ridership data collection.
- The Federal Railroad Administration oversees safety for Commuter Rail systems, the Alaska Railroad, and a select set of Hybrid Rail and Heavy Rail systems. These agencies do not report safety data to the NTD and are therefore excluded from any safety analyses in this document.

Injury Statistics

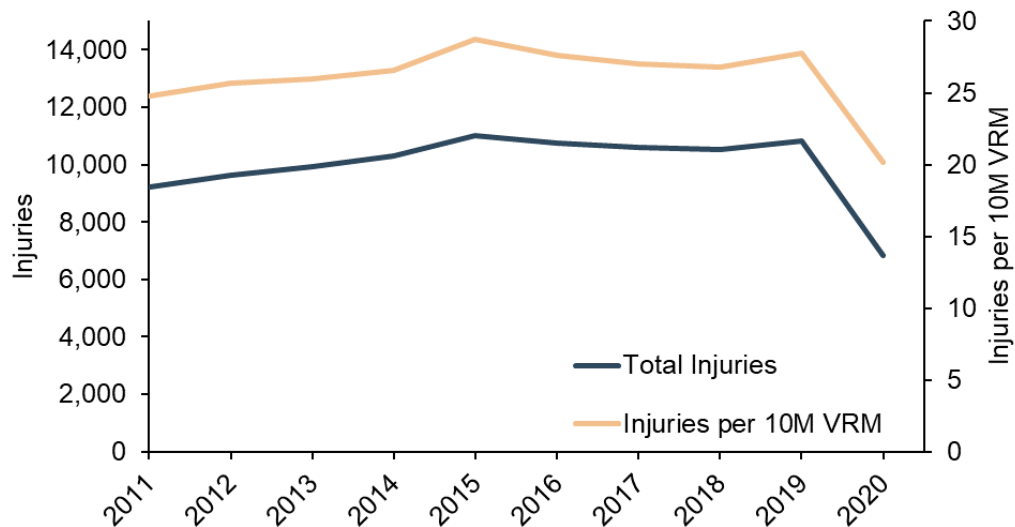


Exhibit 44. Injuries (per 10 Million Vehicle Revenue Miles)

The exhibit above compares total injuries reported to the rate of injuries per 10 million VRM between 2011 and 2020. It is important to recognize that the reporting requirements for Safety Occurrences Not Otherwise Classified events changed in 2015. Injuries for many of these events are now reported as major events. This change caused an increase in the number of reported injuries in 2015 to 2020, compared to the number of reported injuries before the change (from 2011 to 2014).

The total number of injuries and injuries per 10 million VRM has remained stable between 2015 and 2019 but then dipped in 2020 due to lower ridership. Assuming that the total difference in reported injuries between 2014 and 2015 is related to the reporting change, and removing 2020 from the analysis, the number of reported injuries has remained relatively stable since 2011.

The below graph shows the injuries per 10 million VRM by mode during 2020. Modes that operate in central cities, like Streetcar, make more stops and have a higher chance of injury compared to modes that travel longer distances between stops, like Commuter Bus.

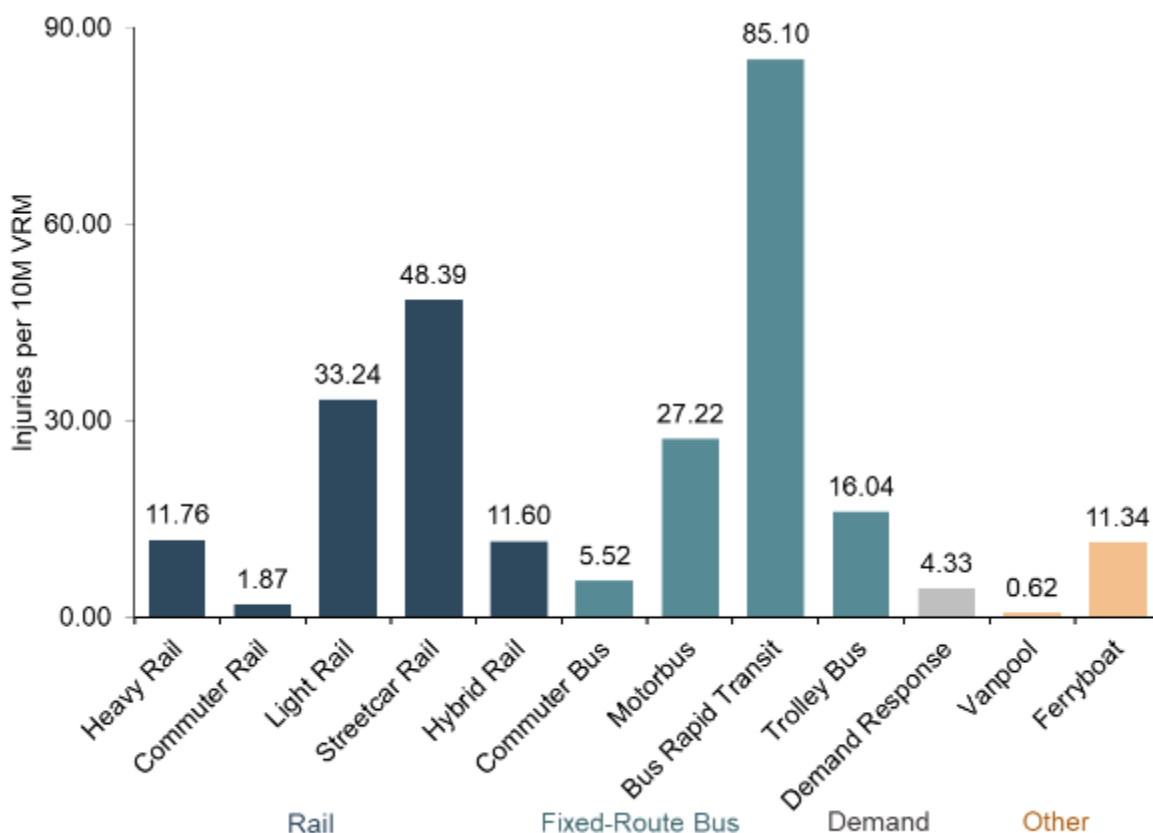


Exhibit 45. 2020 Injuries per 10 million Vehicle Revenue Miles by Mode

Fatality Statistics

The graph below compares the number of reported fatalities to the rate of fatalities per 10 million VRM between 2011 and 2020. The number of fatalities was reasonably stable at about 290 annual fatalities. The year-to-year variation was less than 50 total fatalities. The fatality rate increased from about 0.7 fatalities per 10 million VRM in 2019 to about 0.9 fatalities per 10 million VRM in 2020.

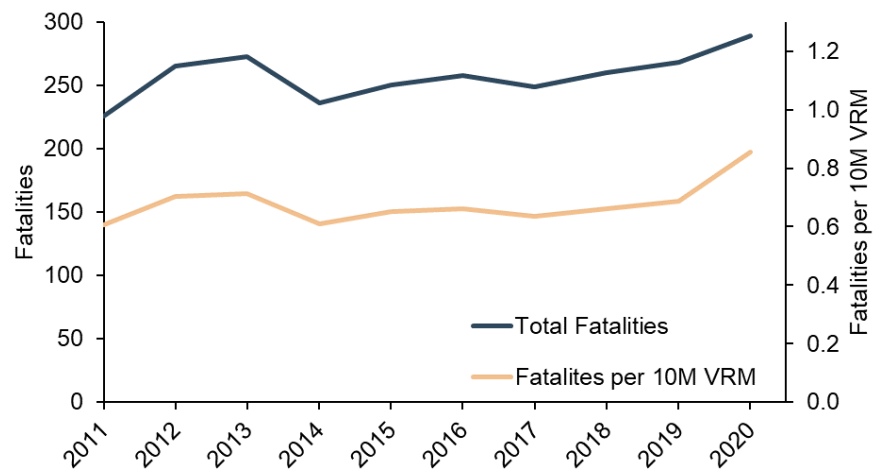


Exhibit 46. Fatalities (per 10 Million Vehicle Revenue Miles)

The chart below reflects the rate of fatalities per VRM for 2020. It contains fewer modes than the 2020 injuries per VRM graph, as some modes did not report any fatalities for 2020. In 2020 rail modes had higher fatality rates, in part because suicides are much more common on rail modes than non-rail modes.

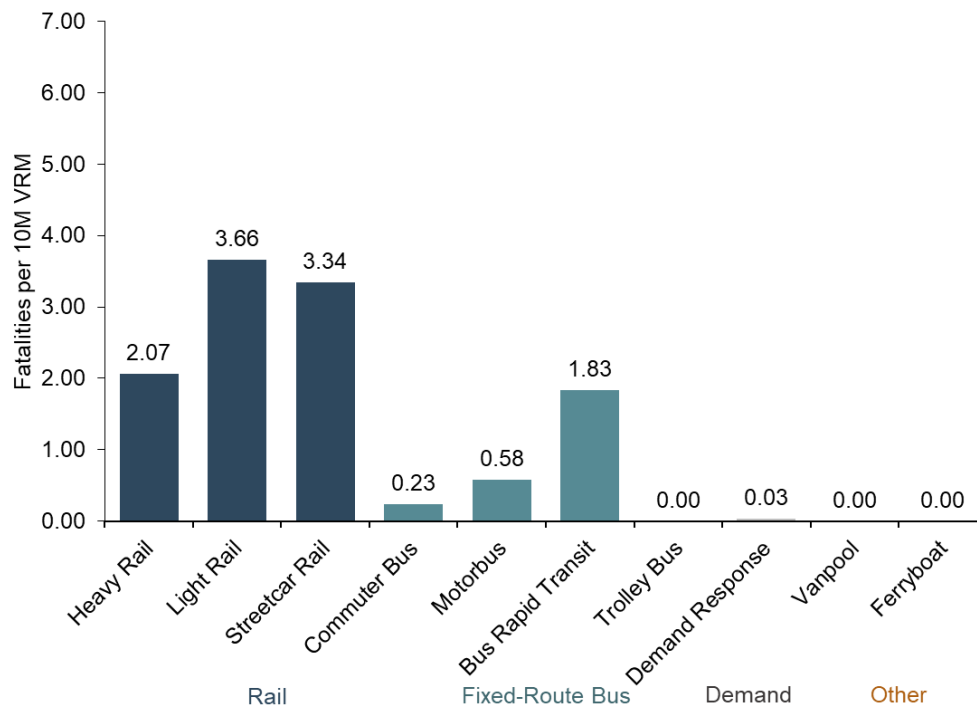


Exhibit 47. 2020 Fatalities per 10 Million Vehicle Revenue Miles by Mode

Reduced Reporter Safety Data

Unlike Full Reporters, Reduced Reporters (small transit systems) only report the total number of events that meet a major event threshold and fatalities and injuries resulting from such events for the entire fiscal year of that agency, rather than submitting a separate report for each event. Most Urban Reduced and Rural Reporters (82.5 percent) reported zero major safety and security events in 2020. Of the agencies that did report events, 2.5 percent experienced fatalities.

Data Points	Fatalities	Injuries	Reportable Incidents
Total Safety Incidents	3	192	335
Number of Agencies	3	87	120
Number per Agency	0.00	0.13	0.17
Number per 10M UPT	0.49	31.55	55.05

Exhibit 48. 2020 Safety Events, Reduced Reporting Transit

Urbanized Areas

In the NTD, transit providers indicate the primary UZA of service operations as their “primary UZA” along with any secondary UZAs they serve. For analysis purposes, the NTST groups UZAs into the following categories:

- Small UZAs: population of 50,000 to 200,000.
- Medium UZAs: population of 200,000 to 1 million.
- Large UZAs: population over 1 million.

Sources of Funding by UZA Size

For urban transit agencies in large UZAs, directly generated revenues made up 22.6 percent of operating funding in 2020. Small and medium UZAs are more dependent upon operating subsidies than large UZAs. Directly generated revenues accounted for only 15.7 percent and 16.9 percent, respectively, for these UZAs in 2020.

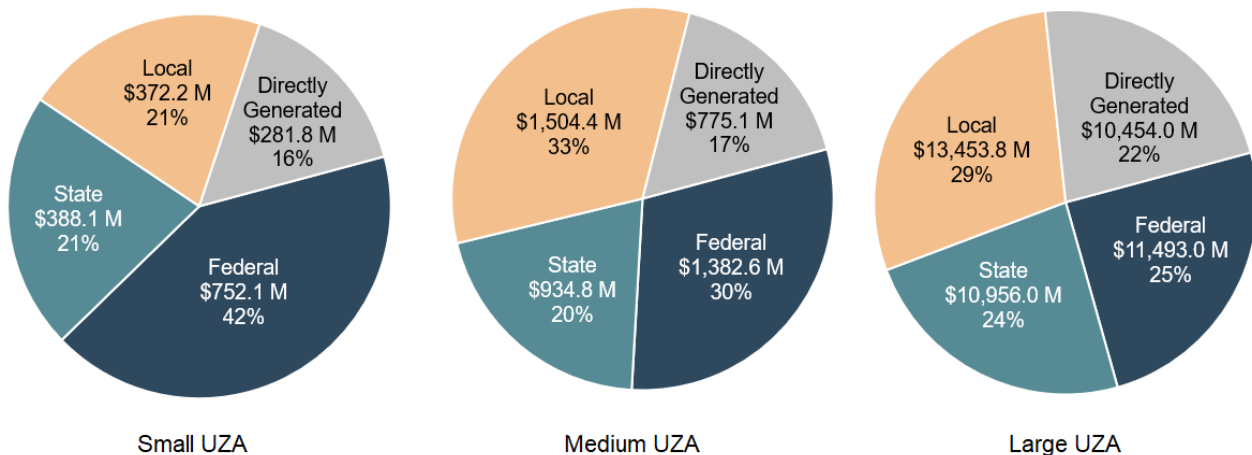


Exhibit 49. Operating Funding Sources by Urbanized Area Size

Capital funds are funds from Federal, State, and local governments, as well as directly generated sources that transit agencies apply to purchases such as equipment or other assets. Directly generated sources include any funds generated or donated directly to the transit agency. This includes passenger fares, advertising revenues, donations, and grants from private entities.

For urban transit agencies operating in small UZAs, Federal sources of funds accounted for 58.5 percent of the total capital expenditures. Medium UZAs reported that 40.2 percent of their capital funding sources were Federal, with another 35.9 percent being State

funding sources. Large UZAs rely less on Federal funding than on other sources for capital expenditures.

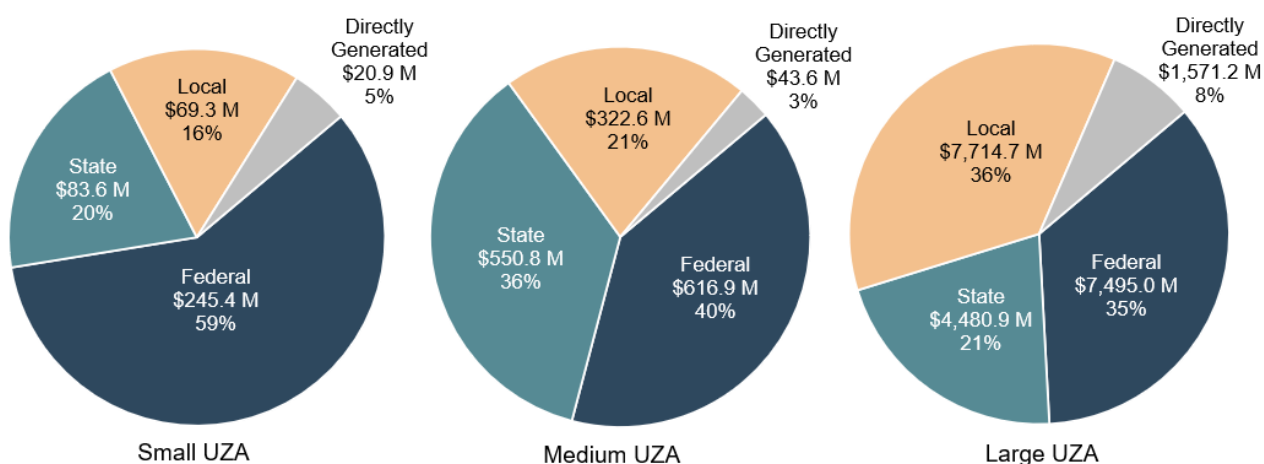


Exhibit 50. Capital Funding Sources by Urbanized Area Size

Service Performance

Large UZAs reported 78 percent of urban agency VRM. Only 15 percent of miles occurred in medium UZAs and 7 percent in small UZAs, respectively.

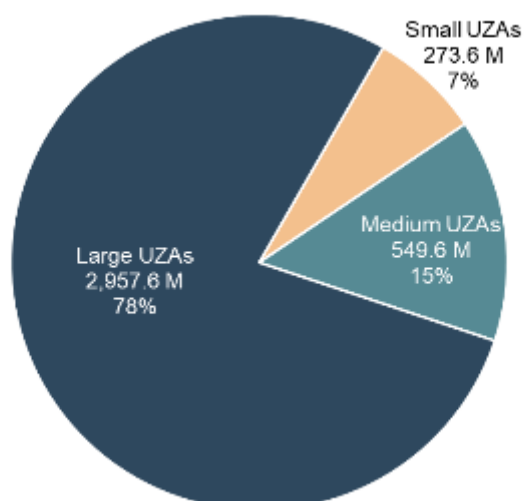


Exhibit 51. Vehicle Revenue Miles by Urbanized Area Size

Small UZAs provide less varied services, mostly made up of motorbus and demand response service. In the charts below, you will see more modes listed by UZA size and the levels of VRM provided.

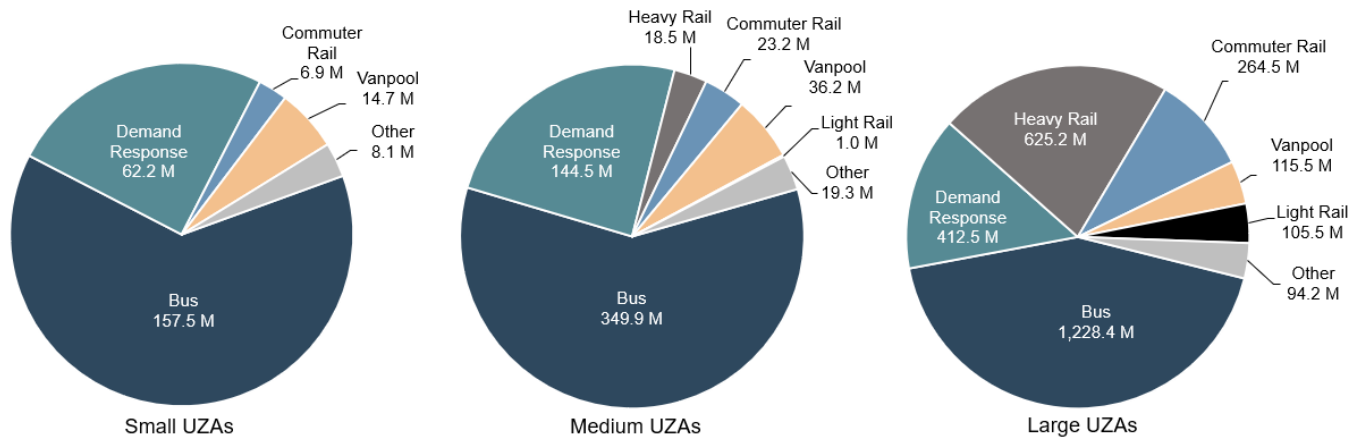


Exhibit 52. Vehicle Revenue Miles by Mode

Large UZAs operate about 80 percent of all FG DRM. Typically, each DRM is a mile of transit operation space where private transportation cannot operate. For example, the New York City Subway operates on rail track unavailable to Amtrak, CSX, and any other private trains. The Boston Silver Line is Bus Rapid Transit with dedicated ROW, meaning that it operates similarly to rail transit: car traffic cannot trespass on the roadway reserved exclusively for Boston's Silver Line.

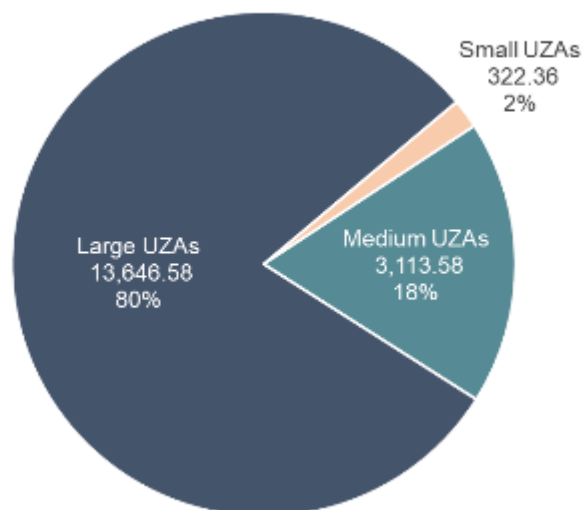


Exhibit 53. Fixed Guideway Directional Route Miles by Urbanized Area Size

Public transit service depends on population density to function efficiently. In the U.S. there are 42 UZAs with a population greater than 1 million. These 42 UZAs consume 90.0 percent of all public transit, as measured by PMT.

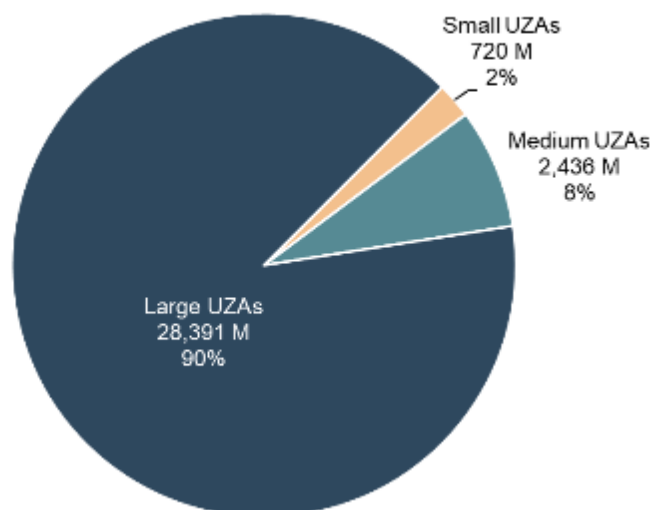


Exhibit 54. Total Passenger Miles Traveled by Urbanized Area Size

Large UZAs experience more trips on public transit per capita than other UZAs. The ridership density for large UZAs in 2020 was 37.5 trips per capita, whereas the ridership density for small and medium UZAs was 6.2 and 9.2, respectively.

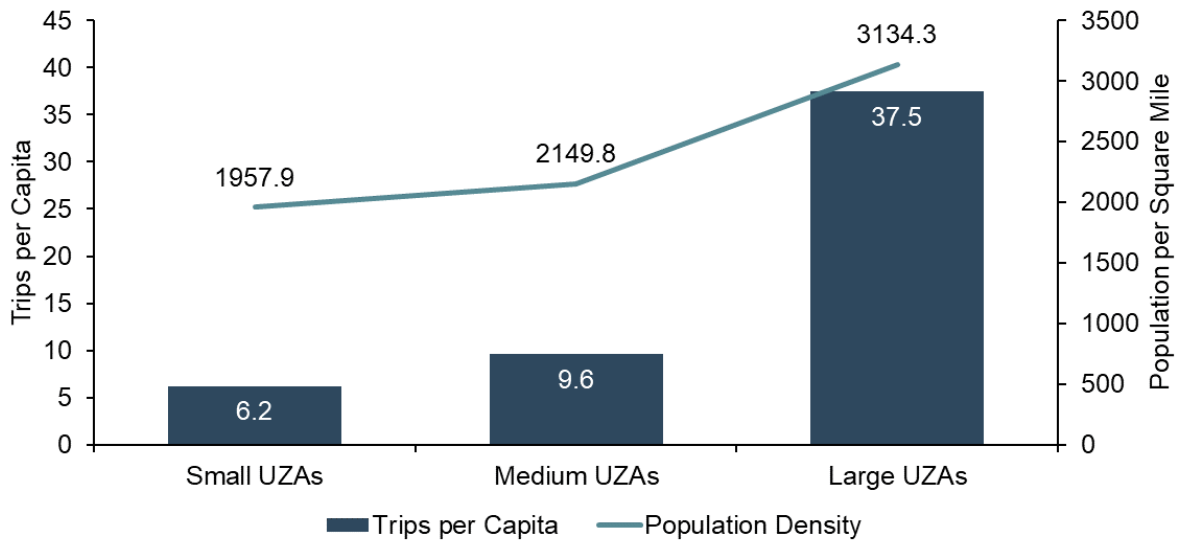


Exhibit 55. Passenger Trips per Capita by Population Density

In 2020, large UZAs experienced 209.73 reportable safety and security events per 100 million VRM. Medium UZAs and small UZAs experienced safety and security events at lower rates, 152.43 and 86.76 events per 100 million VRM, respectively.

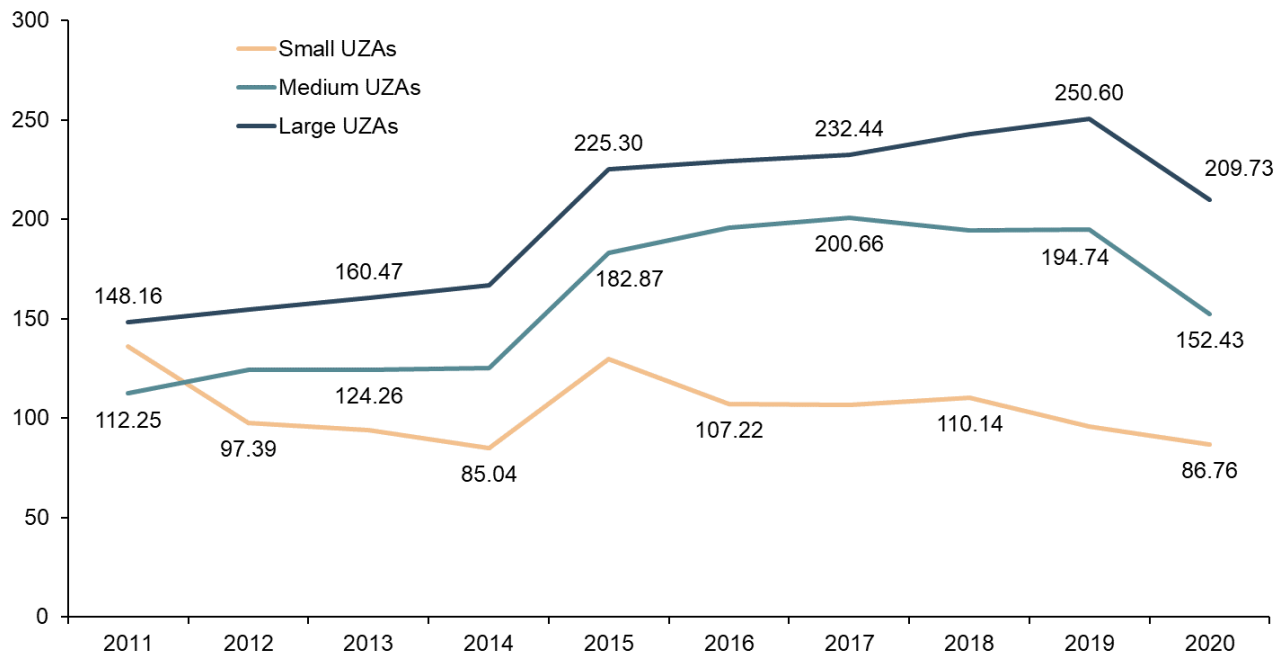


Exhibit 56. Total Reportable Safety and Security Events per 100 Million Vehicle Revenue Miles, by Urbanized Area Size

Urban Transit Assets

Managing capital assets is a fundamental part of providing public transit. Starting in 2018, the NTD collected more detail on such assets, most notably because of the Transit Asset Management final rule which took effect in July 2016.

Average Fleet Age

The weighted average fleet age reflects the design and useful life of the vehicles used in each mode. Vanpool has a lower average fleet age of 3.10 years, which is consistent with a typical service life of four to five years. Motorbus has an average fleet age of 7.48 years, which is consistent with typical useful service life ranging from 10 to 12 years. Finally, rail vehicles are designed to have a service life ranging from 25 to 35 years, which explains their higher average fleet ages.

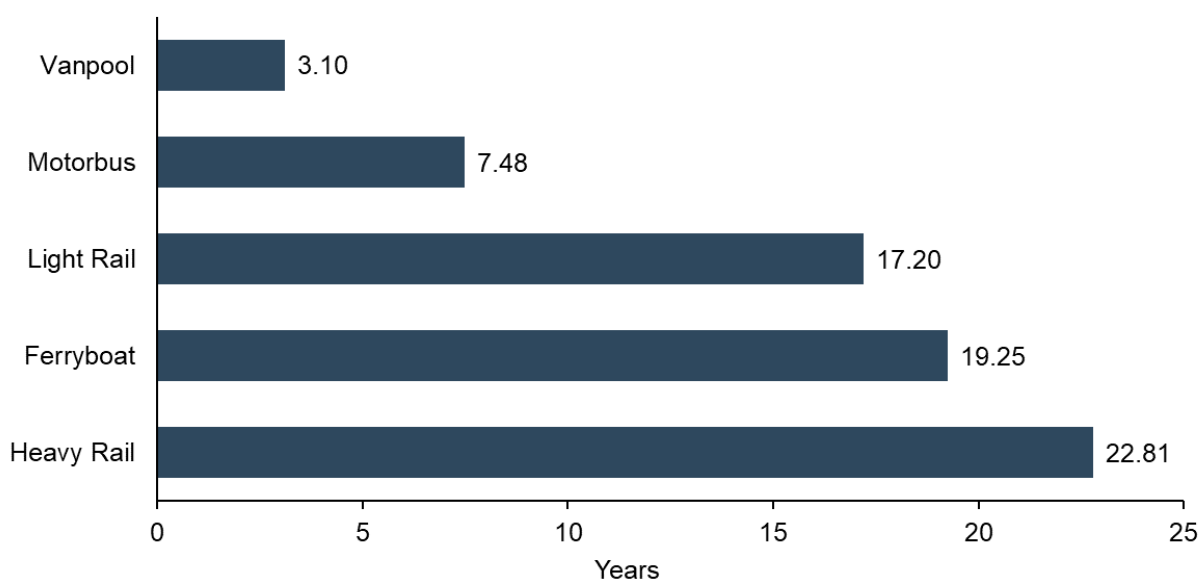


Exhibit 57. Weighted Average Fleet Age by Mode

Bus Alternative Fuel Usage

Diesel and gasoline are the traditional bus fuels. Alternative fuels have been introduced to address concerns about air quality and fuel efficiency. Alternative fuels include compressed natural gas, electric battery, ethanol, liquefied petroleum gas (propane), liquefied natural gas, kerosene, biodiesel, and other fuels. The charts below include fuel usage for buses fully dedicated to transit service.

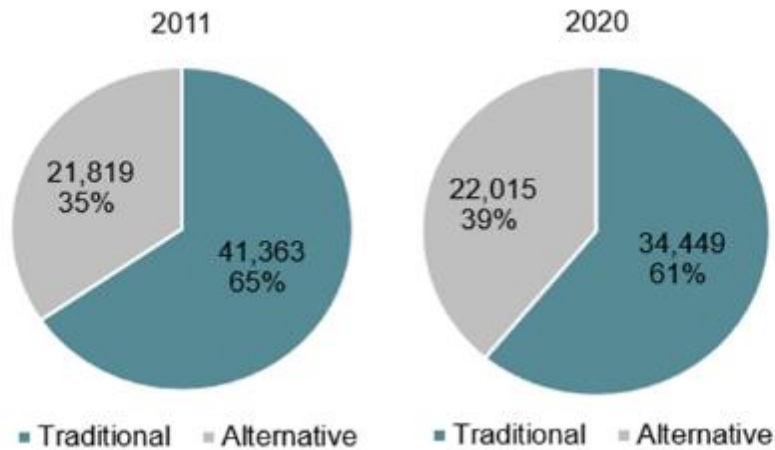


Exhibit 58. Percent of National Bus Fleets Using Alternative Fuels

The share of the national bus fleet using alternative fuels rose from 35 percent in 2011 to 39 percent in 2020. Alternative fuel consumption increased from 27 percent in 2011 to 35 percent in 2020. Exhibit 59 only includes fuel sources which are reported in gallons or gallons of gas equivalents and does not include the use of electricity (kilowatt hours).

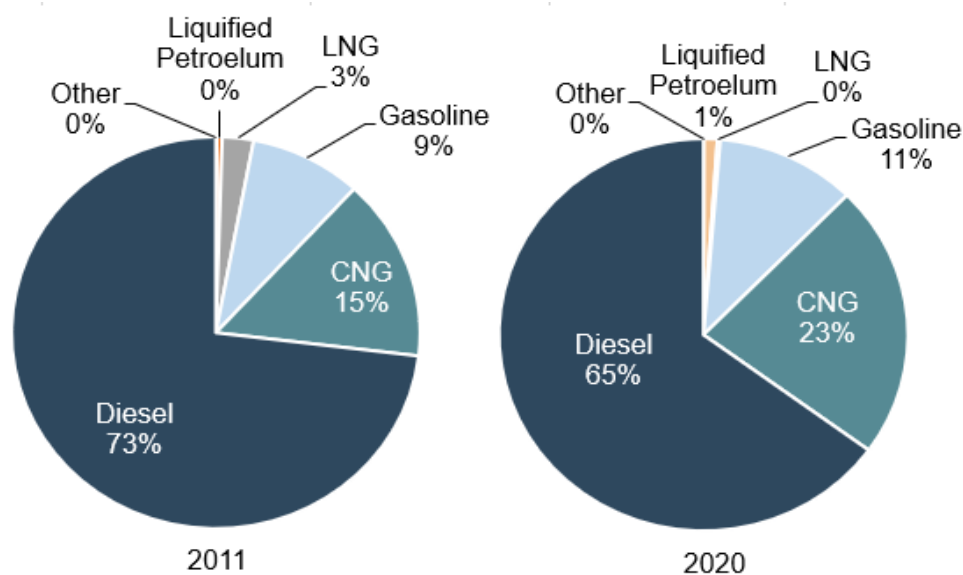


Exhibit 59. Percentage of Fuel Consumption for Non-Electric Modes

ADA Lift or Ramp-Equipped Buses

The ADA requires transit agencies to follow specific requirements. These requirements specify that vehicles do not restrict access, are usable, provide allocated space and/or priority seating for individuals who use wheelchairs, and have space or seating that is accessible using lifts or ramps. As shown in the exhibit below, 97.8 percent of all bus vehicles are ADA-compliant.

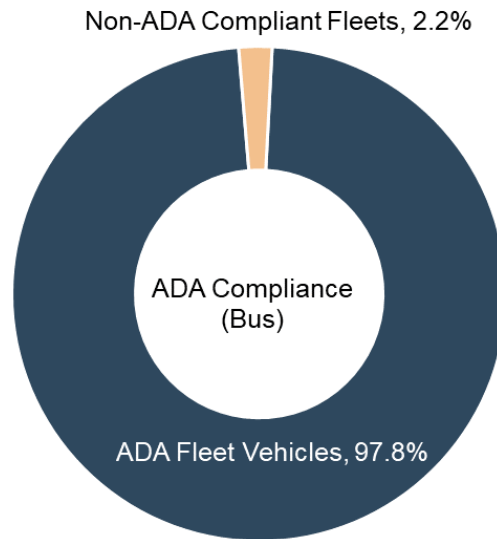


Exhibit 60. 2020 ADA Compliance (Bus)

Transit Asset Management Statistics

Facilities

The modes with the largest number of facilities supporting the operations are Commuter Rail, Motorbus, Heavy Rail, and Light Rail.

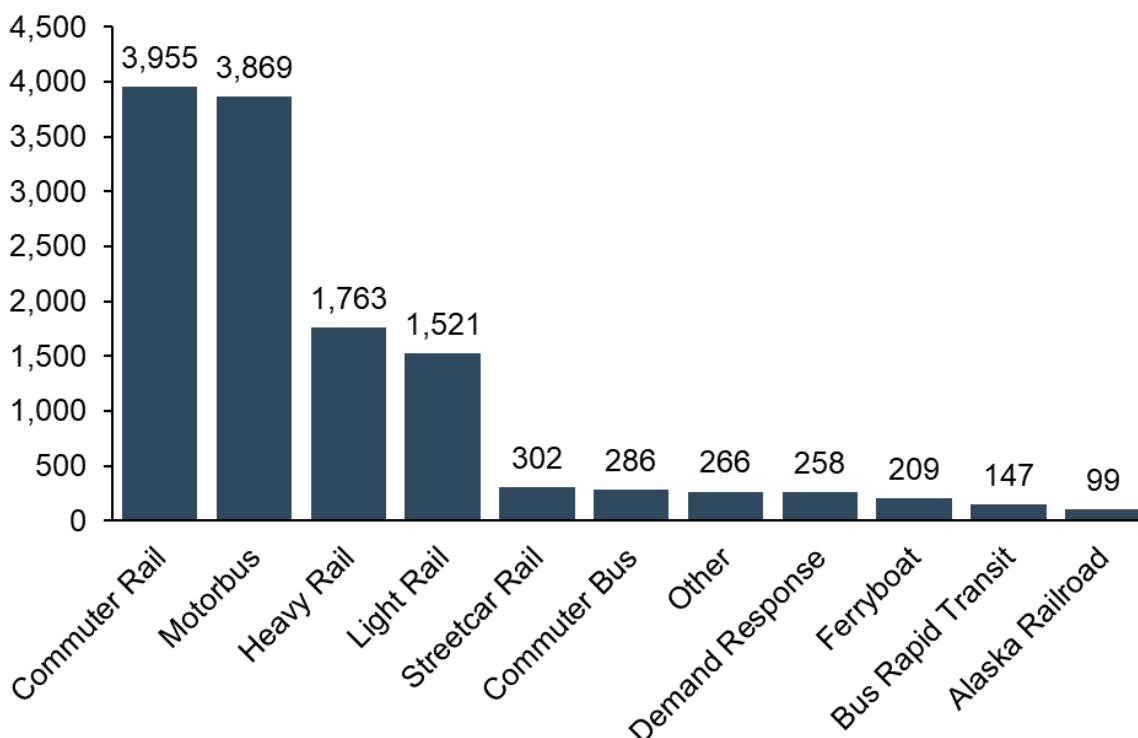


Exhibit 61. Total Facilities by Primary Mode Served

Of those four modes with the highest numbers of facilities, passenger facilities make up the majority for each mode, except for Motorbus. For Motorbus, the breakout between passenger facilities and administrative/maintenance facilities is almost equal, with slightly more administrative/maintenance facilities than passenger facilities. Since Motorbus is the largest mode at most transit agencies, if an agency has one administrative/maintenance facility serving all modes, Motorbus will usually be considered the “primary mode.”

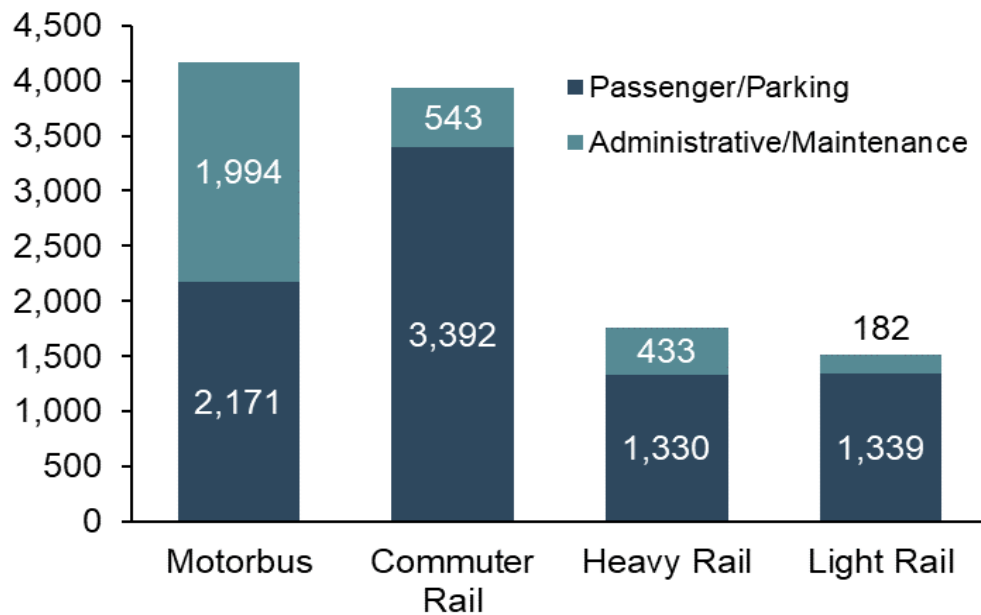


Exhibit 62. Type of Facilities Supporting Four Modes with Most Facilities

The most reportable facilities supporting transit are Passenger Facilities (40 percent). Administrative and maintenance facilities made up 29 percent of facilities and the remainder were parking facilities.

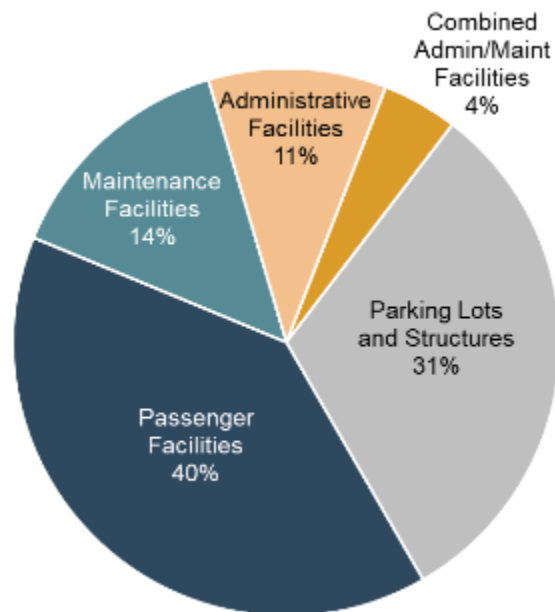


Exhibit 63. Facility Types System Wide

Agencies are required to report a condition assessment for all facilities for which they have capital replacement responsibility. The condition assessment uses FTA's Transit Economic Requirements Model scale, which is based on five values for assets:

- 5: Excellent
- 4: Good
- 3: Adequate
- 2: Marginal
- 1: Poor

FTA considers a facility in a state of good repair if it has a condition assessment of 3 or higher. Of the reported facilities with condition assessments, 88 percent are in a state of good repair, while 12 percent are not in a state of good repair. A small number (24 percent) of the reported facilities were not given a condition assessment, either because the agency did not have capital responsibility for that facility, or because the facility was not yet assessed.

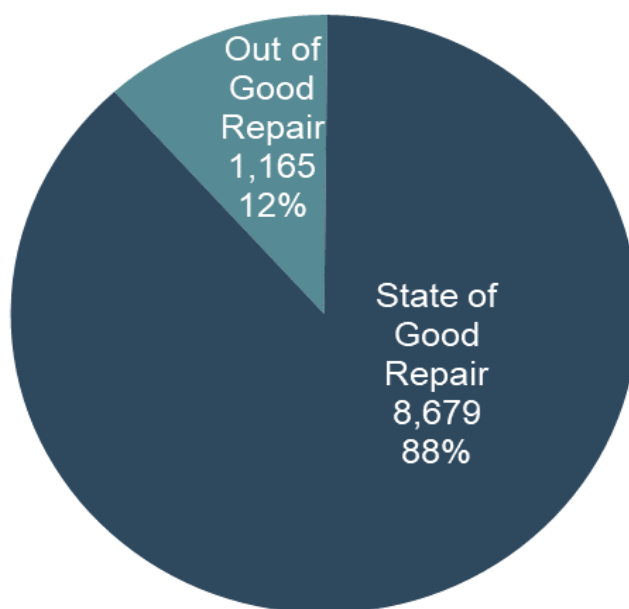


Exhibit 64. State of Good Repair — Facilities

Revenue Vehicles

A revenue vehicle is a vehicle used to carry passengers. A vehicle is considered to be in a state of good repair if it is within its useful life. For the passenger-carrying vehicles reporting a Useful Life Benchmark (ULB), 82 percent are within their useful life and 18

percent have met or exceeded their useful life. Of all passenger-carrying vehicles reported, 16.7 percent did not have a reported ULB. Only vehicles for which the agency has capital responsibility have a ULB recorded in the NTD. If the agency did not have capital responsibility for the vehicle, this typically means that the vehicle is leased or provided by a purchased transportation contractor.

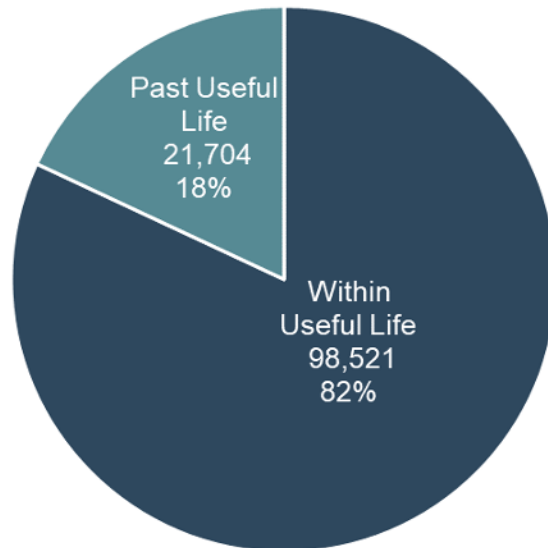


Exhibit 65. State of Good Repair — Revenue Vehicles

Service Vehicles

Service vehicles are vehicles used to indirectly deliver transit service, maintain revenue vehicles and infrastructure, and perform transit-oriented administrative activities. Agencies only report service vehicles for which they have capital responsibility. There are three categories of service vehicles: Automobiles, Trucks and Other Rubber Tire Vehicles, and Steel Wheel Vehicles. The average cost to replace Steel Wheel Vehicles is significantly more than the other service (non-revenue) vehicle types, however, those vehicles tend to have a significantly longer useful life. For example, FTA's default ULB for Steel Wheel Vehicles is 25 years, whereas the default ULB for Automobiles and Trucks/Other Rubber Tire Vehicles is 8 and 14 years, respectively.

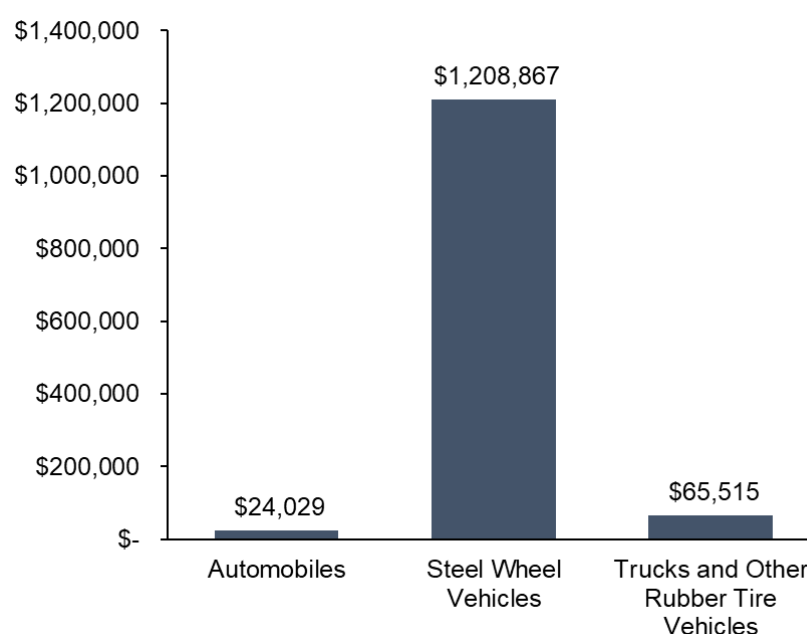


Exhibit 66. Average Replacement Cost by Vehicle Type

The average age of service vehicles across all reported fleets is 8.4 years. Of all reported service vehicles, 44 percent are between 0–5 years old. The vehicles older than ten years only make up 30 percent of the total.

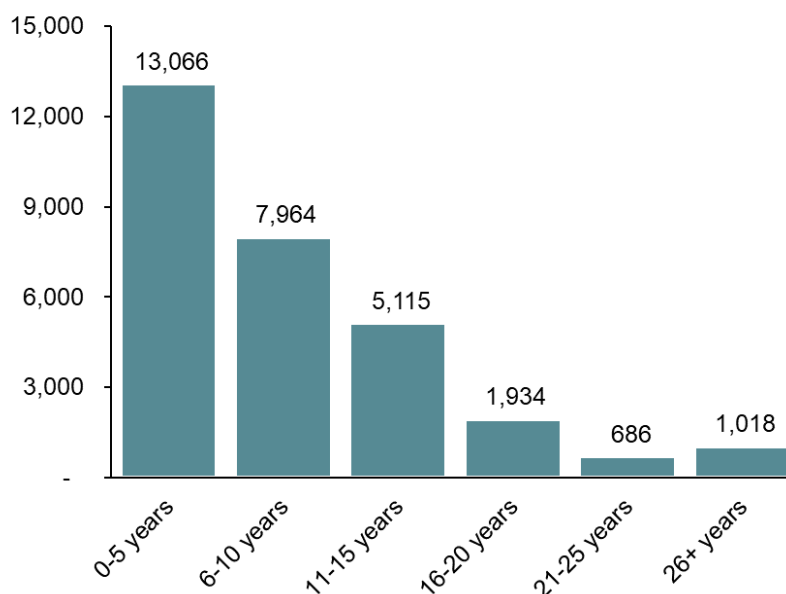


Exhibit 67. Average Age of Service Vehicles

Similar to revenue vehicles, the majority of the service vehicles (64 percent) reported are within a state of good repair, meaning they have not met or surpassed their useful life.

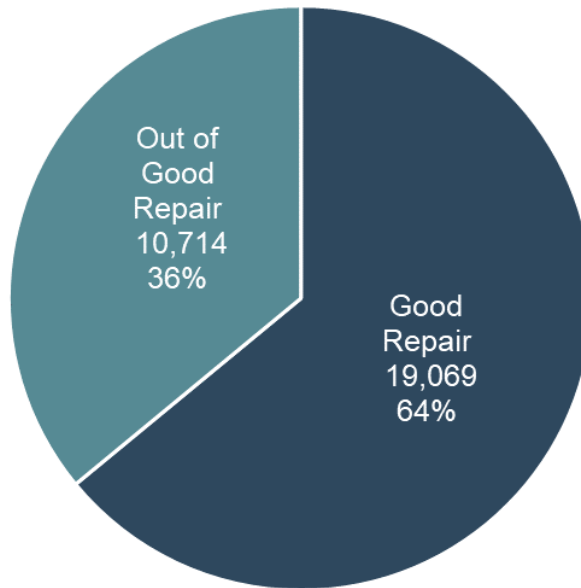


Exhibit 68. State of Good Repair — Service Vehicles

Rural Transit

The U.S. Census defines rural areas as geographic areas with a population of less than 50,000. For RY 2020, 1,272 subrecipients, 574 asset subrecipients and 54 States (the NTD treats Puerto Rico, American Samoa, Guam, and the Northern Mariana Islands as States for the purpose of rural data collection and funding) submitted data to the NTD in the rural reporting module.

Agencies report to the rural module if they receive §5311 funds but do not receive §5307 funds and do not operate exclusively urban trips. These Rural Reporters are made up of mostly city/county government reporters (45 percent), or private non-profit reporters (19 percent). The remaining recipients are made up of Tribes, independent authorities, private for-profit companies, and many others.

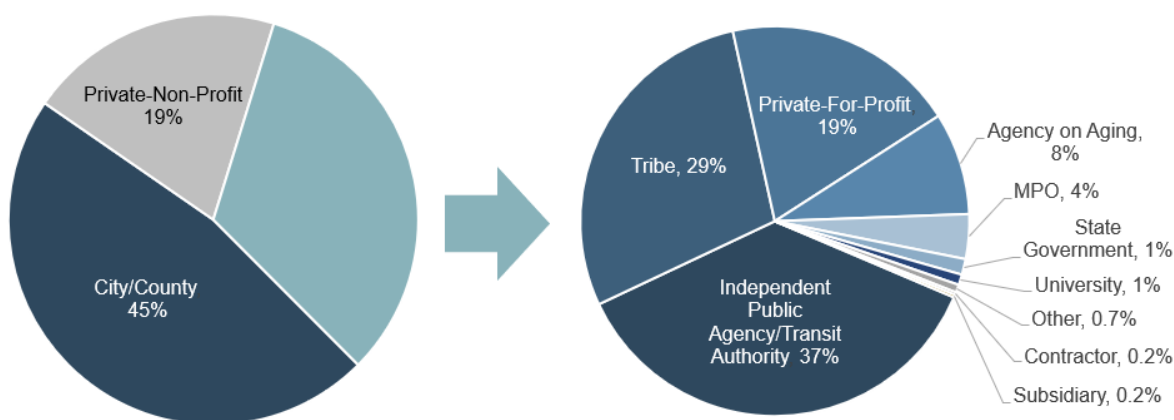


Exhibit 69. Rural Transit Service Providers by Organization Type

Exhibit 70 shows that a majority of the service provided by these Rural Reporters is demand response (70 percent) due to the low population density of rural areas. The next largest service represented in these rural areas is Motorbus (24 percent).

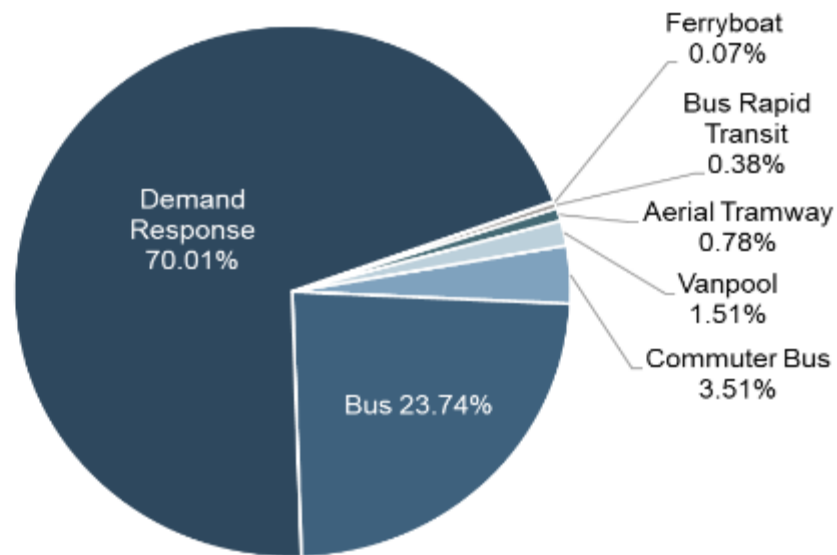


Exhibit 70. Rural Transit Service Providers by Mode

Rural Services Operated and Consumed

The exhibit below presents the trend in service provided and consumed, as well as the Operating Expenses from 2011 until 2020. Operating Expenses increased 32.9 percent from 2011 to 2019, then fell 1.4 percent between 2019 and 2020. VRM and UPT showed decreases of 16.1 percent and 26.7 percent, respectively, between 2019 and 2020.

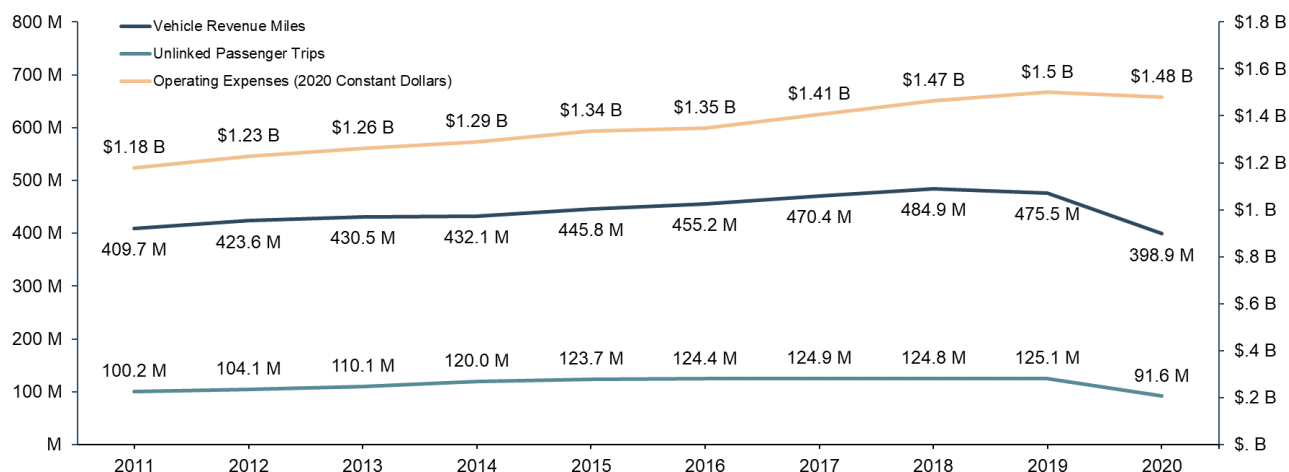


Exhibit 71. Service Operated, Consumed, and Operating Expenses

Most of the service provided and consumed comes from the Rural General Public Transit reporters. Rural General Public Transit reporters are entities who provide rural service and either receive or benefit from §5311 funding or report voluntarily. Coordination with Intercity Bus operators and service provided by Tribe's account for a smaller portion of overall rural service provided and consumed.

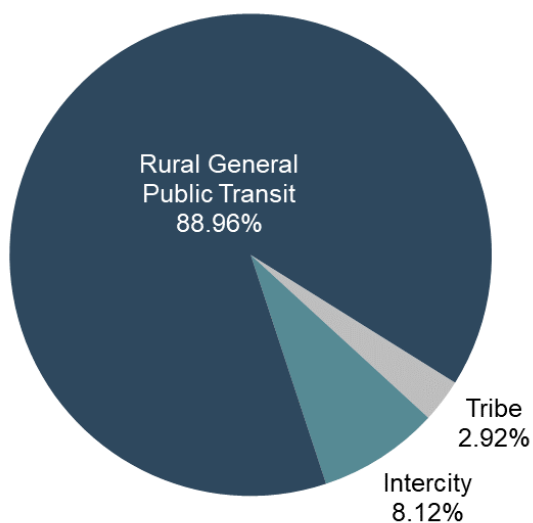


Exhibit 72. Service Provided: Vehicle Revenue Miles by Reporter Type

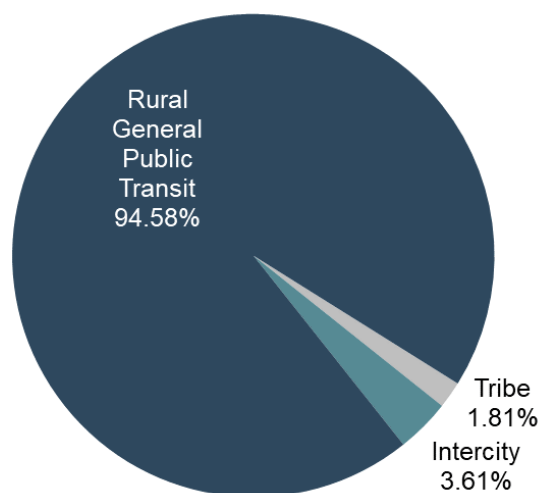


Exhibit 73. Service Consumed: Ridership by Reporter Type

Rural Operating and Capital Funding

The sources of funds for rural areas (operating and capital) include local, State, and Federal government as well as funds generated by service providers (fares and contract revenues).

FTA funding categories available for Rural Transit include:

- Section 5310 – Enhanced Mobility of Seniors & Individuals with Disabilities Program
- Section 5311 – FTA Formula Grants for Rural Areas Program

The Federal government provided 48.8 percent of the rural transit-operating budget. Fares and State and local funds made up another 45.0 percent of the budget, while the remaining 6.3 percent of funds came from contract revenue and other directly generated funds.

Source of Funding	Funds Expended on Operations	Percentage of Total
§5311 Rural Area Formula Program	\$361,660,660	22.71%
§5311 CARES, CRRSA, ARP	\$359,368,010	22.56%
Local Funds	\$303,158,047	19.04%
State Funds	\$272,318,577	17.10%
Fares	\$140,770,360	8.84%
Other Funds	\$77,515,162	4.87%
§5311 Tribal Transit Funds	\$24,769,850	1.56%
Contract Revenue	\$22,351,119	1.40%
§5310 Enhanced Mobility of Seniors and Individuals with Disabilities Formula Program	\$13,075,876	0.82%
Other Federal Funds	\$11,322,740	0.71%
Other U.S. Department of Transportation Funds	\$3,426,168	0.22%
Other FTA Funds	\$2,232,126	0.14%
§5307 Urbanized Area Formula Program	\$645,029	0.04%
Total	\$1,592,613,724	

Exhibit 74. Funding Sources: Operating Expenses

Rural transit capital budgets relied mostly on Federal assistance, accounting for 64.1 percent of all funds expended on capital.

Source of Funding	Funds Expended on Capital	Percentage of Total
§5311 Rural Area Formula Program	\$88,850,873	27.52%
§5339 Bus and Bus Facilities	\$82,797,415	25.65%
Local Funds	\$61,274,453	18.98%
State Funds	\$48,336,757	14.97%
§5309 Capital Investment Grants	\$8,066,567	2.50%
§5310 Enhanced Mobility of Seniors and Individuals with Disabilities Formula Program	\$7,149,737	2.21%
Other Federal Funds	\$6,298,410	1.95%
Other Funds	\$5,593,508	1.73%
§5311 Tribal Transit Funds	\$5,167,697	1.60%
Other U.S. Department of Transportation Funds	\$3,491,235	1.08%
§5311 CARES, CRRSAA, ARP	\$3,405,202	1.05%
Fares	\$693,372	0.21%
Other FTA Funds	\$1,675,841	0.52%
Total	\$322,801,067	

Exhibit 75. Funding Sources: Capital Expenses

Rural Safety Data

Rural Reporters do not report the same safety and security data that Full Reporters in the urban module do. Instead, Rural Reporters report reduced safety data similar to a Reduced Reporter in the urban module. They only report a count of incidents, injuries, and fatalities for the year. This exhibit shows that Rural Reporters did not report a high number of fatalities but did report 178 injuries for the year.

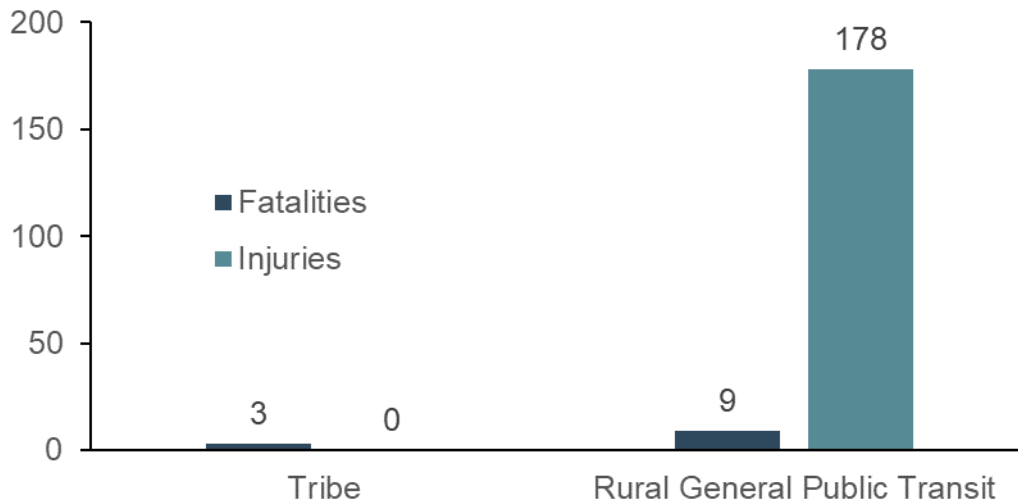


Exhibit 76. Injuries and Fatalities by Reporter Type

Rural Assets

While rural agencies report limited asset data, the NTD does collect revenue vehicle manufacture year from rural operators. The ferryboats used in transit services are reported to have the oldest average fleet age of 28.1 years. On the other end of the spectrum, the articulated buses used in rural public transit have an average age of 4 years.

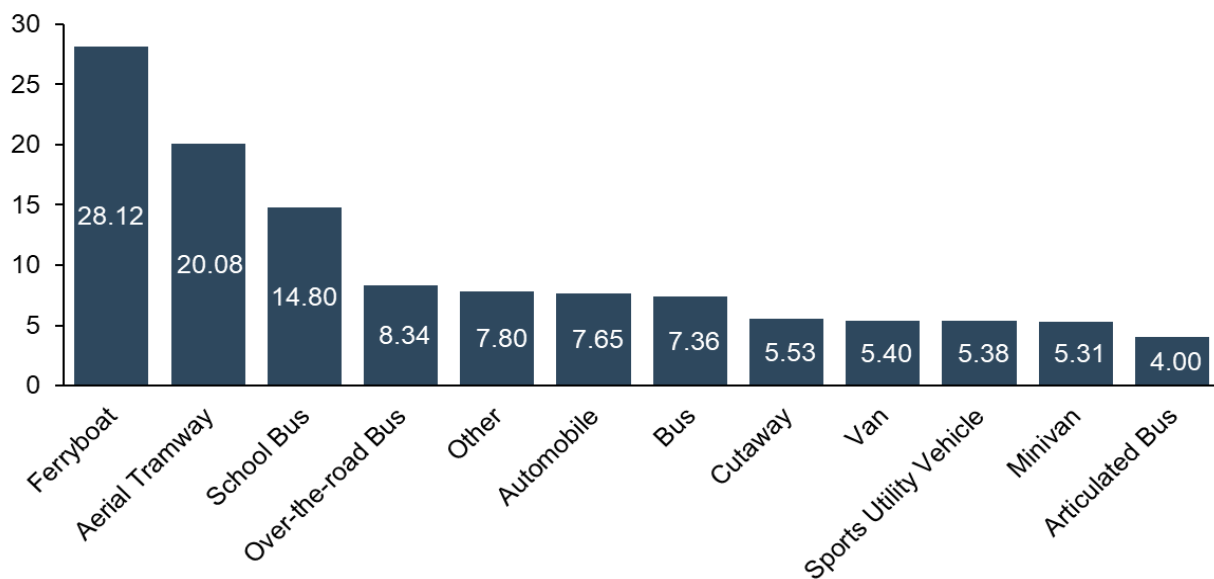


Exhibit 77. Average Fleet Age by Vehicle Type

Unique Transit Modes

One group of modes — the “unique” modes — are not included in some the mode-level exhibits and summaries in previous sections of this document. This is because these modes are operated in a very limited number of UZAs and represent a small percentage of the nation’s overall public transportation service. The “unique” modes include:

- Aerial Tramways (TR)
- Alaska Railroad (AR)
- Cable Car (CC)
- Inclined Plane (IP)
- Monorail/Automated Guideway (MG)
- Publico (PB)

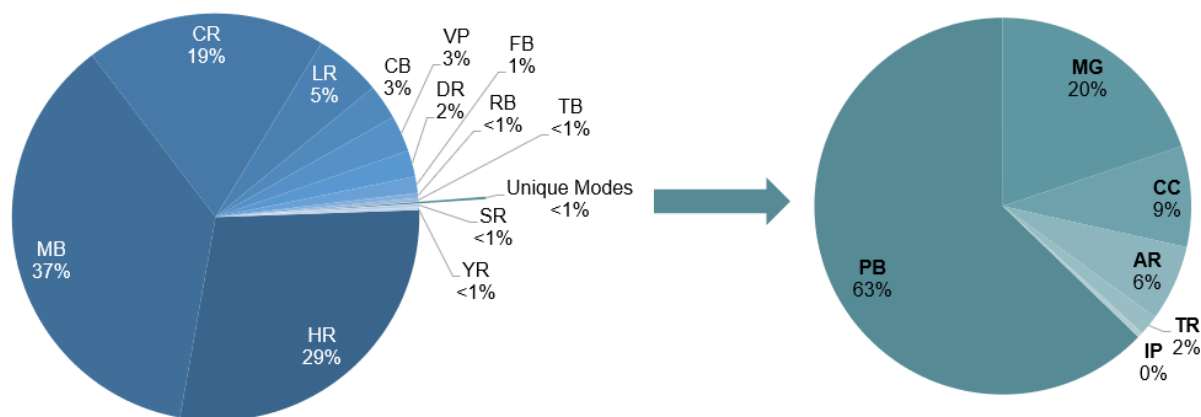


Exhibit 78. Full Reporters' Passenger Miles Traveled

Collectively, these modes represent less than one percent of PMT, VRM, and Operating Expenses. Here are some important notes regarding these modes:

- The San Francisco Municipal Transportation Authority operates the only Cable Car mode reported to the NTD. In Report Year 2020, cable cars provided 5.2 million passenger miles of service, making up 8.6 percent of total unique modes PMT.
- The Alaska Railroad Corporation operates the AR mode which provided 3.9 million passenger miles of service in Report Year 2020. This service accounted for approximately 6.5 percent of the total unique mode PMT.

- Publico mode, unique to Puerto Rico, account for 62.8 percent of the PMT by unique transit modes in the U.S. This translates to 37.8 million out of the 60.4 million unique modes' PMT.