

MTA Subway Service Delivered

Overview

General Description

The Metropolitan Transportation Authority (MTA) is a public-benefit corporation responsible for public transportation in the state of New York serving 12 counties in southeastern New York, along with two counties in southwestern Connecticut under contract to the Connecticut Department of Transportation, carrying over 5 million passengers on an average weekday system-wide, and over 800,000 vehicles on its seven toll bridges and two tunnels per weekday. The MTA is the largest transportation agency in North America.

Subway service within New York City is operated by New York City Transit, a division of the MTA.

Service Delivered, also known as throughput, measures our ability to deliver scheduled service. This metric provides the percentage of scheduled trains that are actually operated during peak hours. This measure is provided to aid New York City Transit in its goal to provide on-time and reliable service.

There are various reasons why some scheduled service might not be delivered, such as equipment issues that prevent a train from leaving the yard, unavailable crews, cleaning or door problems that force a train to go out of service before the busiest part of the line, signal and track problems, and so on.

This data is required to be made public pursuant to Section 1276-l of the Public Authorities Law, the MTA Open Data Act.

This dataset was published during the first phase of the MTA's commitment to increasing transparency. We continually examine all our published and publishable data with a view to both providing datasets that can be effectively utilized by our customers and the public at large, and to providing regular, automated updates to these datasets efficiently and sustainably. Consequently, this dataset may be restructured and/or combined with other similar datasets in the future.

Data Collection Methodology

Service Delivered is measured at one or more fixed timepoints along the busiest part of the line, which reflects service across the entire line, and is reported as the percentage of scheduled trains that are provided during the busiest times of day. If there is more than one timepoint for a line, the number of actual trains at each timepoint is summed up, and is divided by the sum of the scheduled trains for the two timepoints.

If a subway line does not pass through its fixed timepoint due to a weekend service change, service delivered does not get calculated for that line that weekend. The monthly weekend service delivered for that line is only representative of weekends when the line did pass through its timepoints.

The following timepoints are used to provide a proxy for overall network performance:

Service	Direction	Weekday AM Peak	Weekday PM Peak	Weekend Peak
1	NB	Times Square-42 nd St		
	SB			
2	NB	Chambers St	Times Square-42 nd St	Times Square-42 nd St and Chambers St
	SB	Times Square-42 nd St	Chambers St	
3	NB	Chambers St	Times Square-42 nd St	Times Square-42 nd St and Chambers St
	SB	Times Square-42 nd St	Chambers St	
4	NB	Bowling Green	Grand Central-42 nd St	Grand Central-42 nd St and Bowling Green
	SB	Grand Central-42 nd St	Bowling Green	
5	NB	Bowling Green	Grand Central-42 nd St	Grand Central-42 nd St and Bowling Green
	SB	Grand Central-42 nd St	Bowling Green	
6	NB	Grand Central-42 nd St		
	SB			
7	NB	Queensboro Plaza		
	SB			
A	NB	Fulton St	59 th St-Columbus Circle	59 th St-Columbus Circle and Fulton St
	SB	59 th St-Columbus Circle	Fulton St	
B	NB	Broadway-Lafayette St	59 th St-Columbus Circle	N/A
	SB	59 th St-Columbus Circle	Broadway-Lafayette St	
C	NB	Fulton St	59 th St-Columbus Circle	59 th St-Columbus Circle and Fulton St
	SB	59 th St-Columbus Circle	Fulton St	
D	NB	Broadway-Lafayette St	59 th St-Columbus Circle	59 th St-Columbus Circle and Broadway-Lafayette St
	SB	59 th St-Columbus Circle	Broadway-Lafayette St	
E	NB	Lexington Av/53 rd St		
	SB			
F	NB	Broadway-Lafayette St	Lexington Av/63 rd St	Lexington Av/63 rd St and Broadway-Lafayette St
	SB	Lexington Av/63 rd St	Broadway-Lafayette St	
G	NB	Hoyt-Schermerhorn Sts		Nassau Av and 4 Av-9 St
	SB			
JZ	NB	Delancey St/Essex St		
	SB			
L	NB	Bedford Av		
	SB			
M	NB	Delancey St/Essex St	Lexington Av/53 rd St	Delancey St/Essex St
	SB	Lexington Av/53 rd St	Delancey St/Essex St	
N	NB	Atlantic Av-Barclays Ctr	Lexington Av/59 th St	Lexington Av/59 th St and Atlantic Av-Barclays Ctr
	SB	Lexington Av/59 th St	Atlantic Av-Barclays Ctr	
Q	NB	DeKalb Av	57 th St/7 th Av	57 th St/7 th Av and DeKalb Av
	SB	57 th St/7 th Av	DeKalb Av	

R	NB	Whitehall St	Lexington Av/59 th St	Lexington Av/59 th St and Whitehall St
	SB	Lexington Av/59 th St	Whitehall St	
S-42 nd	NB	Times Square-42 nd St		
S-Fkln	SB	Prospect Park		
S-Rock	NB	Rockaway Park-Beach 116 th St		
W	SB	Lexington Av/59 th St		

Statistical and Analytic Issues

Service Delivered is reported monthly at the line level. It is reported for weekday and weekend peak periods, with the weekday peak defined as 7 AM to 10 AM and 4 PM to 7 PM, and weekends between 10 AM and 6 PM. Off-peak hours are the times of day outside of those hours. The B and W lines do not operate on weekends. The B and W lines were temporarily suspended in April and May 2020, as was the C line during April 2020. Due to reconstruction work, the 42nd Street Shuttle did not operate at all between March and August 2020. The percentage of service delivered can exceed 100 percent, which is when more service is delivered than is scheduled.

This metric is sensitive to changes in service scheduled in the timetable since it compares service actually provided with that figure.

Limitations of Data Use

There are no limitations on the data at this time.