

Major Cities Worldwide Transit Impacts from Novel Coronavirus (COVID-19)

Summary Report



Miami-Dade Transportation
Planning Organization

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London, England

Population: London's 2020 estimated population is 9.3 million



Responding to Covid-19 - Public transportation restrictions within London, England:

- **Mass Transit:**
 - Mass transit services have increased up from around 50% of the standard timetable to 70%, but capacity onboard is reduced to as little as 10% of normal levels to enable social distancing.
 - Passenger numbers began to dwindle in early March 2020, with Transport for London (TfL) reporting tube usage was down 19% in the week through 15 March compared with the same period in 2019.
 - National rail usage has been affected the most, compared to other types of public transport. Passenger journey numbers were down by approximately 95% in April through May 13th, similar to the level of decline on the London Underground.
 - A reduction of approximately 90% in buses outside of London and 85% in London buses.
 - Capacity on the London Underground will reduce to 15% to maintain social distancing.

- **Cost/Funding:**
 - Passengers may apply for a refund for Travelcard or Bus & Tram Pass season ticket if they are self-isolating or not travelling due to concerns about coronavirus.
 - Onboard social distancing measures have placed significant pressure on profitability due to the high fixed costs of operation.
 - TFL, received a package worth £1.6 billion, and national rail services.

- **Coronavirus Precautions:**
 - London Mayor, Sadiq Khan is considering making face masks mandatory on public transport.
 - More buses were added for frequency.
 - Crowd control measures introduced at stations and on trains amid fears of surge in passenger numbers. More officers and security guards trained to control crowds will be at some stations to prevent passengers from boarding a train or entering a platform if too many people are already present.
 - Passengers will board London buses at the middle door, except for single-door and new Routemaster buses. This will help keep passengers and bus drivers safe.
 - Passengers with disability will be given priority access.
 - Passengers must touch in on the yellow card reader on single-door and New Routemaster buses. For all other buses, passengers do not need to touch in, at the moment.
 - The Tube is cleaned daily with hospital-grade antiviral disinfectant.
 - Key interchanges are being cleaned more frequently throughout the day.
 - All regular “touch point” areas on buses, such as poles and doors are being wiped down with a strong antiviral disinfectant each day.

- **Construction Projects:**
 - All TFL and Cross rail project sites were temporarily suspended in March 2020.
 - Work is now restarting on some sites and social distancing is being maintained.

- **Public Transit Restart:**
 - Passengers will have to pay for bus travel again on certain routes in London this weekend as part of a phased reintroduction of payments across all routes, Transport for London (TFL).
 - Confederation of Passenger Transport UK stated that bus operators had cancelled approximately 60% of their services to cope with the lack of demand.

- **Increasing service levels:**
 - Working closely with the Mayor, Government, boroughs, businesses, schools and other transport providers to safely build up service levels to where they were before coronavirus.

- **Increased levels to:**
 - Around 85% for buses
 - At least 70% for Tube and London Overground (in line with National Rail services)
 - 80% on DLR
 - 100% on TFL Rail

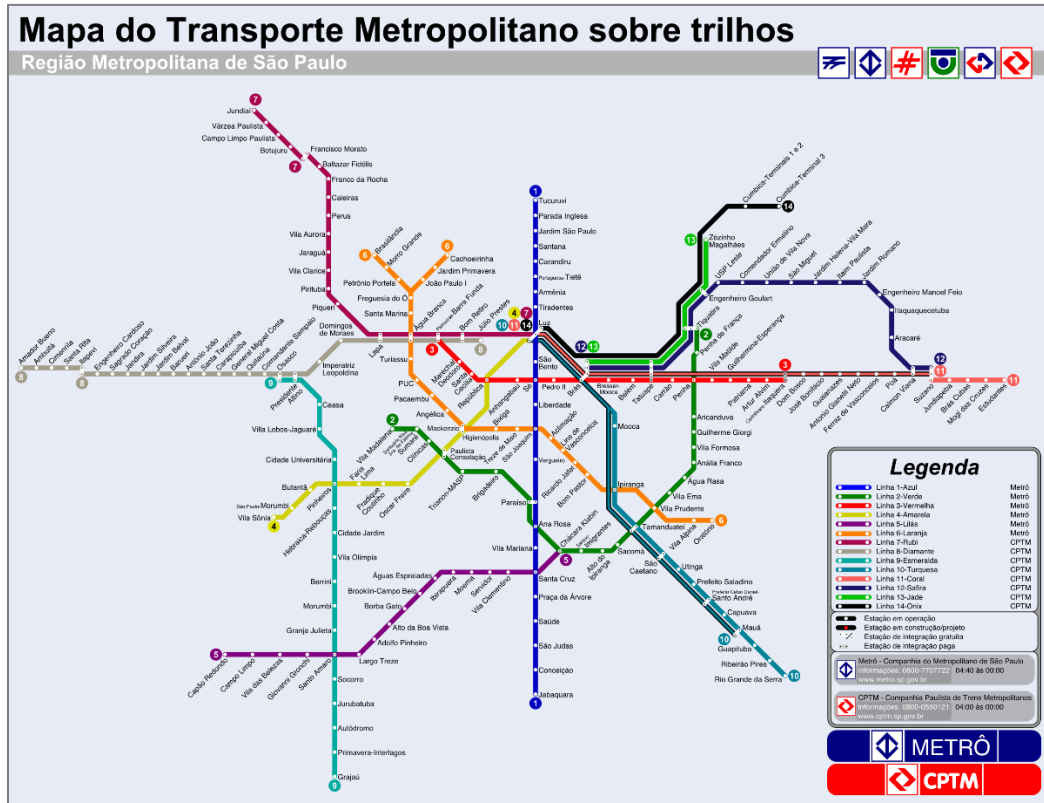
- **Citizens are advised to:**
 - The government has implemented a series of measures to discourage the usage of public transport, due to the significantly higher risk of infection.
 - Avoid public transport if possible. If you can, use existing or new [walking and cycling routes](#).
 - If you must use public transport, avoid the busiest times between 05:45-08:15 and 16:00-17:30, and these stations and lines:
 - Central line between South Woodford/Redbridge and Stratford
 - Jubilee line between Stratford and Westminster
 - District line between Dagenham Heathway and Aldgate East
 - Victoria line
 - London Overground between Stratford and Willesden Junction
 - DLR between Woolwich Arsenal and Canning Town

- **Travelling safely:**
 - Wear a face covering
 - Keep 2 meters apart from others where possible
 - Wash your hands before and after your journey
 - Carry a hand sanitizer or use sanitizer points at stations
 - Use contactless or Oyster to pay for your travel
 - Follow [government advice for safer travel](#) and [check the safer travel information sheet](#)

- **Covid-19: Long term effects:**
 - Many pop-up bike lanes and expansions of pedestrian walkways into the road, particularly in major cities, may become permanent.
 - While the government has been encouraging greater levels of walking and cycling, the lack of alternatives during the outbreak is likely to have forced people to start travelling in these ways.
 - £2 billion of funding to improve cycling and walking access announced in 2020 Budget, with an additional £3 billion being made for improving bus services.
 - As a result, the coronavirus outbreak is only expected to accelerate an existing trend in changing domestic travel habits.

São Paulo, Brazil

Population: São Paulo, Brazil's 2020 estimated population is 22 million



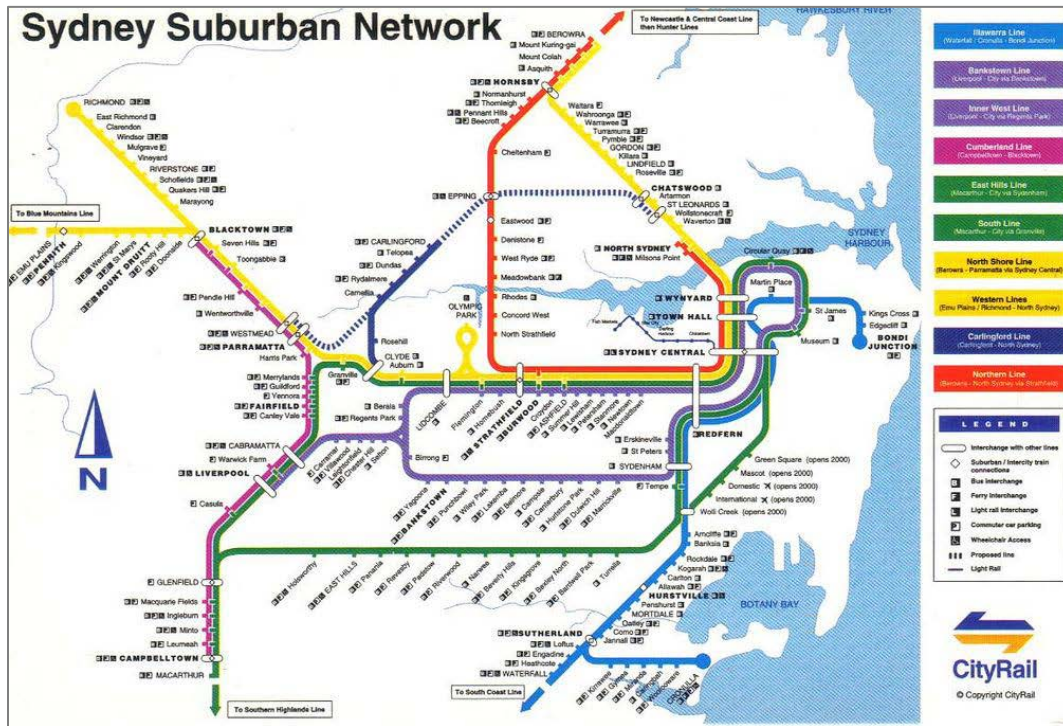
Responding to Covid-19 - Public transportation restrictions within São Paulo, Brazil:

- **Public transit:**
 - The network transports about 8.3 million people daily and it is operated by four different companies.
 - According to SPTrans, on average, 8.9 million people use the city's bus system on weekdays.
 - 30% of public transit riders, ride for more than 2 hours every day.
 - With 13 lines, 183 stations and a total length of 374 km (232 mi) (of which about 237 km or 147 mi is within the Sao Paulo municipal boundaries).
 - Brazil's São Paulo governor makes masks mandatory as COVID-19 spreads.
 - Sao Paulo has the largest urban rail system in Latin America.
 - SPTrans adopts preventive measures against contamination by the coronavirus that causes Covid-19.
 - There is no emergency plan to prevent the coronavirus from spreading. March 16, 2020.

- The use of masks is mandatory on buses throughout the trip, as well as in all public places and commercial establishments. Drivers, collectors, terminal staff, and passengers must make use of the mask, an important measure to combat COVID-19. Because of this, we are carrying out surveillance actions within the terminals and along the lines, as well as guidance campaigns.
 - BYD SkyRail São Paulo and São Paulo Metro formally signed a contract on April 27th for BYD to provide its SkyRail for the Line 17 (Gold Line) project.
 - SPTrans reduces access to on-site assistance from the Protocol and Ombudsman Sector.
- **Protective guidelines:**
 - Do not leave the mask below the nose, chin, or hanging from the ear.
 - She should cover her nose, mouth, and chin, getting well-adjusted to her face without openings. In addition, it must have at least two layers of fabric, elastics, or straps to fix behind the ears and nape, and cover nose, mouth, and chin.
 - The maximum use time is 2 hours. Then sanitize the mask for 10 minutes in diluted bleach.
 - City hall performs sanitization at bus terminals to fight coronavirus in the capital.
 - Mask use is mandatory on buses, terminals, taxis and application cars in São Paulo.
 - Shutdown of the trolleybus network in the Vila Formosa region.
 - Shutdown of the trolleybus network on Avenida Celso Garcia.
 - SPTrans reinforces importance of flu vaccination for drivers and collectors.
 - SPTrans suspends free quotas and half tariff for students.
 - SPTrans marks the distance in the terminal lines to avoid crowding passengers.
 - Buses start operating again with 65% of the fleet this Tuesday (May 26).
 - SPTrans will add 1000 more buses into circulation.
 - SPTrans closes the Central Post and the service posts in the Subprefectures.

Sydney, Australia

Population: Sydney, Australia's 2020 estimated population is 4.9 million



Responding to Covid-19 - Public transportation restrictions within Sydney, Australia:

- **Public transit:**
 - Staff monitors and respond to the global Covid-19 pandemic daily. They take advice on all public health matters from the state and federal health departments and comply with restrictions announced by the national cabinet of the Prime Minister, state premiers and territory chief ministers.
 - Have adopted their own precautionary measures to protect members of the community, volunteers and staff.
 - Sydney tops the nation for the proportion of people using public transport to travel to work with about one in five residents catching trains, buses, trams or ferries for their daily commute.
 - Annual Ridership was 377.1 million (2018–2019).
 - March 2020 figures show a 75% fall in patronage.
 - About 22 million fewer bus trips would have been taken in March.
 - The train network saw a 75% fall with a total of 27 million fewer trips taken in March, with a total of 9 million train trips across the state, compared to 37 million trips in March of last year.

- If already using public transport in the peak, do not start now. Services are already close to capacity to allow for distancing at these times. Off peak times are between 10am and 2pm.
 - Changes are being considered to increase public transport services where capacity and resources are available.
 - **Customer service centres** in [Glebe, Kings Cross, Green Square and Town Hall House](#) are temporarily closed. **Customs House** is also closed to the public.
- **Physical distancing guidance - 'No dot, No spot' decals:**
 - Distinctive green dots decals are being used on trains, buses and ferries to show indicate the safest places to sit and stand. This means passengers may be asked to wait for the next service. School children and those who require assistance, such as those with disability will be given priority accesses.
- **Other steps to limit the spread of coronavirus:**
 - Intense and ongoing cleaning will continue to occur throughout the transport network and there will be a continued rollout of hand sanitizer at key transport hubs, including at high demand stations.
 - Doors are now opening automatically at platforms to minimize your contact with trams on all light rail services.
 - Staff to validate tickets without contact via Opal card payment.
 - To help protect the health of your driver, Opal single tickets will no longer be sold on board buses across the Opal network. You can use an Opal card, or contactless credit or debit card or device to pay for your travel.
 - While some social media posts claim otherwise, at this point the Australian Government has not recommended all Australians to wear face masks.
 - The official advice remains that you only need to wear a mask if you are sick with COVID-19 symptoms, or if you are looking after someone who may have COVID-19.
 - If you are well, you do not need to wear a face mask.
- **Citizens are advised to:**
 - Practice good hand hygiene by washing your hands regularly to protect yourself, fellow commuters and transport for NSW staff.
 - Cover any sneezes or coughs with your inner elbow or with a tissue that is then discarded.
 - Avoid close contact with other people at stops, stations and on-board services.
 - Use Opal and contactless payments where possible.
- **To help protect the health of staff, please:**
 - Avoid close contact with staff at stations, stops, wharves and on-board services.
 - Regarding bus services, please do not use the Opal reader at the front of the bus and stand behind the red no standing zone.
 - On light rail, please sit away from the drivers cabin as directed.

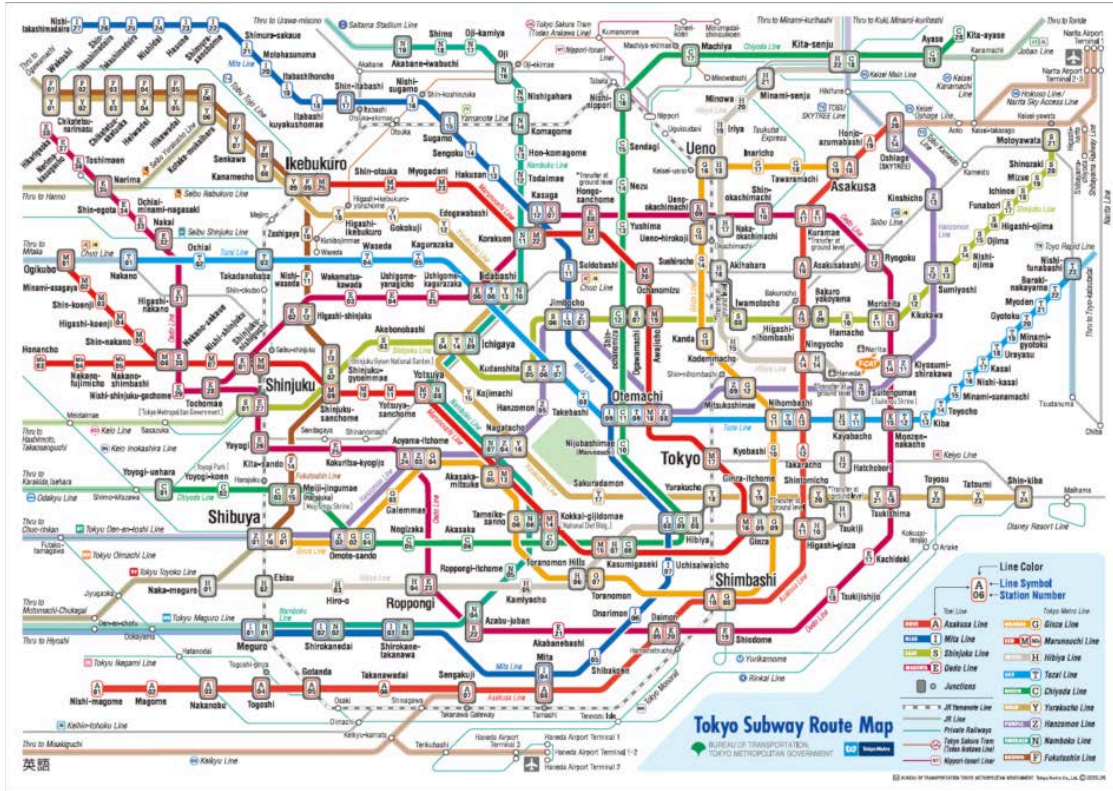
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- **Public gatherings and events:**
 - Have [postponed all City of Sydney-run events](#) of this size and all non-essential City of Sydney events, in-person meetings, conferences and training exercises.
 - All upcoming events in City of Sydney venues have been cancelled or postponed.
 - The NSW Government introduced legislation to allow for the 2020 Local Government Election to be postponed for 12 months. Local government elections will take place on 11 September 2021. [City of Sydney Council meetings](#) are now being held using Zoom, with councilors attending remotely, and meetings live streamed on the City's website.
 - Citizens can still speak at Council meetings or make written submissions that will be read out by the committee chair.
 - [Our staff are following the latest public health and hygiene advice](#) from state and federal governments.
 - More information is available on the [NSW Health website](#), including [in simplified Chinese](#).

- **Covid-19: Communicating with our staff** - Following strict advice from state and federal health departments on social distancing, self-isolating and hygiene practices. City of Sydney staff will be excluded from work for 14 days if they have:
 - Returned from any foreign nation as of 16 March.
 - Been in close contact with someone who has coronavirus.
 - All staff have been reminded to practice good hygiene by covering coughs and sneezes, washing their hands thoroughly with soap and water, and using alcohol-based hand sanitizer.
 - Social distancing practices are being implemented, with staff directed to keep a minimum of 1.5 meters distance from others, wash hands immediately on entering buildings and regularly during the day, and not shake hands.
 - Office-based staff who can work from home have been encouraged to do so. The City is maintaining its service levels and ensuring that essential services are not impacted at this stage. Have granted 2 weeks additional paid leave for any staff required to self-isolate or to care for someone with Covid-19.

Tokyo, Japan

Population: Tokyo, Japan's 2020 estimated population is 37.4 million



Responding to Covid-19 - Public transportation restrictions within Japan:

- **Public Transit:**
 - On May 4th, Japanese Prime Minister Shinzō Abe declared that the state of emergency already in place in major metropolitan areas would be expanded to all 47 prefectures in Japan.
 - The declaration allowed regional governments to implement non-punitive measures to encourage people to practice social distancing and avoid unnecessary travel, in order to avoid further spread of COVID-19.
 - On May 21st Japan lifted the state of emergency in Hyogo, Kyoto, and Osaka prefectures, due to a significant drop in coronavirus cases.
 - Restrictions have now been lifted for 39 Japanese prefectures, although the state of emergency in others, including Chiba, Hokkaido, Kanagawa, and Tokyo, is expected to remain in place until May 31st.
 - Inside the cities, public transportation is not greatly affected; however, airlines and long-distance bus companies have drastically reduced their services, while railway companies have reduced trains on intercity connections, including shinkansen, and suspended seasonal and tourist trains.

- Public transport within Japan's cities remains largely unaffected by coronavirus restrictions. However, many long-distance bus services have been reduced and some trains have also been suspended.
 - All the major bullet train operators have introduced temporary Shinkansen COVID-19 restrictions, and an intermittent suspension of some services has been announced until May 31st, 2020. This includes the cancellation of over 1,000 Joyful trains (scenic services for holidaymakers) operated by JR East until the beginning of June.
 - Travelers are advised to refer to Japanese train status updates issued by each individual operator to check if a service they plan to use has been affected.
- **General Safety measures** - Japan's Health Ministry has stated that the two most effective ways to curb the spread of coronavirus is to frequently wash hands and use a face mask when out in public:
 - You should wash your hands with soap and water for at least 20 seconds or use an alcohol-based hand sanitizer containing at least 60% alcohol. Make sure to wash between fingers, and under nails.
 - Face masks should be used by people who show symptoms to help prevent the spread of the disease to others. The mask should cover your mouth, nose and chin, and be disposed after a single use.
 - The CDC defines Social distancing as avoiding group gatherings and crowded places and maintaining approximately 2 meters of distance from others when possible.
- **Temporary closure of attractions in Japan:**
 - Some tourist attractions across Japan, including theme parks, markets and museums have temporarily closed as a preventative measure to curb the spread of COVID-19, and to ensure the health of both visitors and employees. However, although operating on reduced working hours, many Japanese department stores remain open.
 - Many temples and shrines, and some gardens, also remain open. Furthermore, all people entering Japan, including Japanese nationals, will have to undergo a quarantine at a designated location and may not use public transportation for 14 days upon arrival.



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