



PASSENGER PERSPECTIVE FOR PUBLIC BUS TRANSPORT SERVICE DURING COVID-19 A CASE STUDY ON AVADI

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ABSTRACT

The covid-19 widespread emergency has incredibly affected public bus transport, after the covid-19 in numerous nations begun a modern type. But after that, the bus transport benefit got to execute certain measures and policies to diminish the spread of the corona virus. This paper analysed the zone of Avadi with the related issue of covid-19. And also, dissect the variables that impact the issues and important recommendations based on the investigation. This research discussed the present situation of Covid -19 struck the public bus transport services in our nation, and it dissects the security measures to add liberally to the transport benefit the place of Avadi in the Chennai area within the covid-19.

Keywords: Socioeconomic factors of Avadi in Chennai., Total number of bus services in Avadi and safety measures of travel in public bus service.

INTRODUCTION:

The covid-19 (moreover known as the corona virus infection)flare-up begun in December 2019 in Wuhan, China, and quickly spread in numerous nations all over the world. In 2020, the World Health Organization pronounced the flare-up as widespread with nations such as China Italy, Spain US being it hardest at display in (may 11 2021), more over in India have point 2.92 Crores cases individuals have been contaminated. More than 3.56 lakhs individuals have passed on from infection core contains have taken an unprecedented degree. The display of social contact and moderate down the spread of the infection such as closing School, shop, eatery and forbidding open occasion and invigorating or forcing work from domestic. In this point, In this paper around security measures such as the confront cover Social distance, sanitizing self-discipline, face mask and self-awareness is the implement to the individuals to reduce the spread of covid-19 (corona-virus) particularly within the case of pondering of Avadi, Chennai.

OBJECTIVES :

- To examine the area of study Avadi during a covid-19 situation.
- To identified the passenger attitude change with to the covid19 in public bus transport.
- To analysis, the pro-active measures to the control of the spread of covid-19.

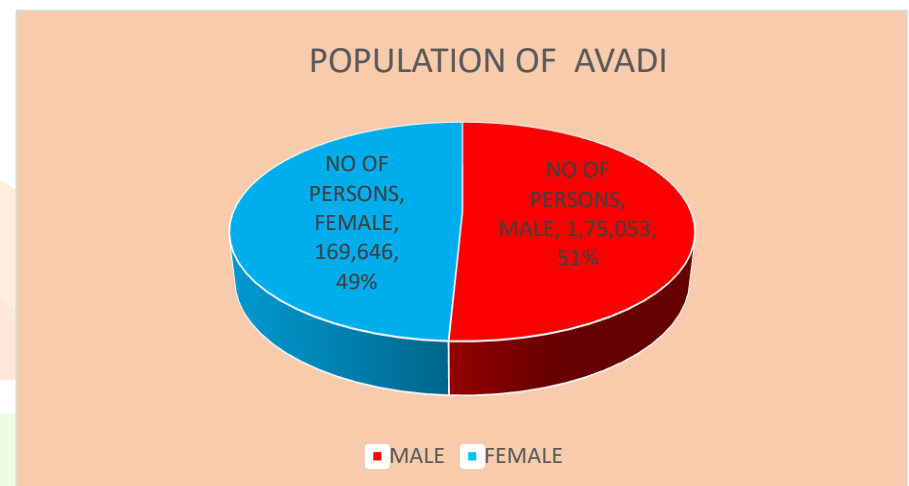
AREA OF STUDY:

Avadi is a neighbourhood of Chennai place. In Avadi the transport end is found between Chennai to Thiruvallur Street. The station is arranged close to the transport terminal. Avadi associated with north-Western and western Chennai to put through the different zone and country towns like Pakkam etc. It centred on, the Metropolitan city of Transport enterprise buses are found in the northwest portion of the Chennai city, in Avadi taluk of the Chennai area, the entire zone of 65km², In the population as per 2011 census information is 3,44,699. The major guard set up and different homes and colleges are secured in this region. In this region Avadi interfacing provincial and city, so this ponder useful to the diverse kind of individuals around Avadi.

TABLE1.1.TABULATION FOR GENDER

GENDER	POPULATION OF AVADI
MALE	175,053
FEMALE	169,646

Source: Avadi city Municipal Corporation.



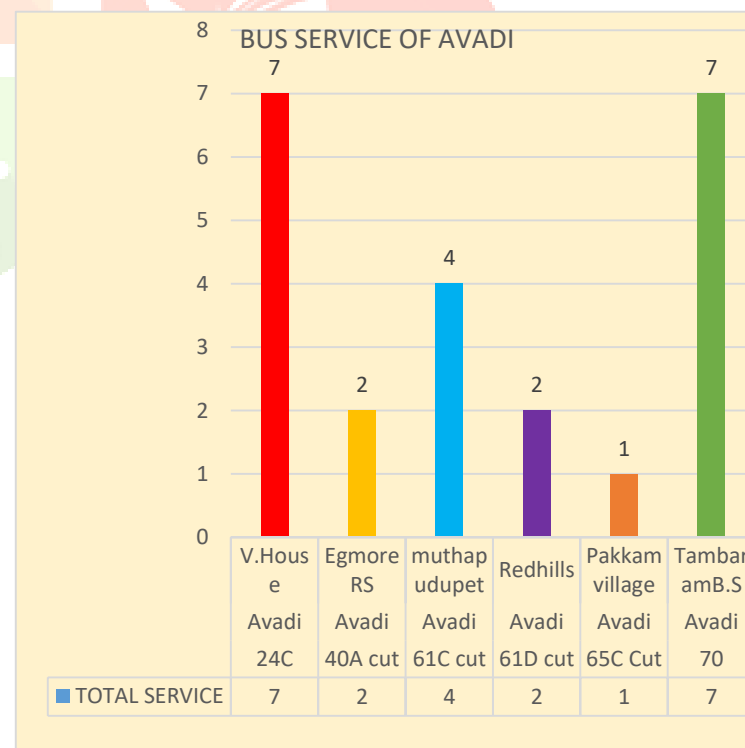
The above table and chart show that 51% of the people belong to male in Avadi, and 49% of the people belong to female in the area of Avadi.

TABLE 1.2 TABULATION FOR AVADI DEPOT BUS SERVICE (Source:Handbook of Metropolitan transport corporation(Chennai) limited)

S.No	BUS NO	ORIGIN	DESTINATION	TOTAL SERVICE	ORD	LSS	M
1	24C	Avadi	V.House	7	-	7	-
2	40A cut	Avadi	Egmore RS	2	-	2	
3	61C cut	Avadi	muthapudupet	4	4		
4	61D cut	Avadi	Redhills	2	2		
5	65C Cut	Avadi	Pakkam village	1	1		
6	70	Avadi	TambaramB.S	7	7		
7	S70	Avadi	Saligramam	1	1		
8	A70	Avadi	Pallavaram	2		2	
9	M70A	Avadi	C.M.B.T	4			4
10	62 cut	Avadi	Redhills via AMBT	1			
11	70	Avadi	TambaramB.S	5			

TABLE 1.2.1TABULATION OF BUS SERVICE

Bus no	Origin	DESTINATION	TOTAL NO OF BUS
24C	Avadi	V.House	7
40A cut	Avadi	Egmore RS	2
61C cut	Avadi	muthapudupet	4
61D cut	Avadi	Redhills	2
65C Cut	Avadi	Pakkam village	1
70	Avadi	TambaramB.S	7

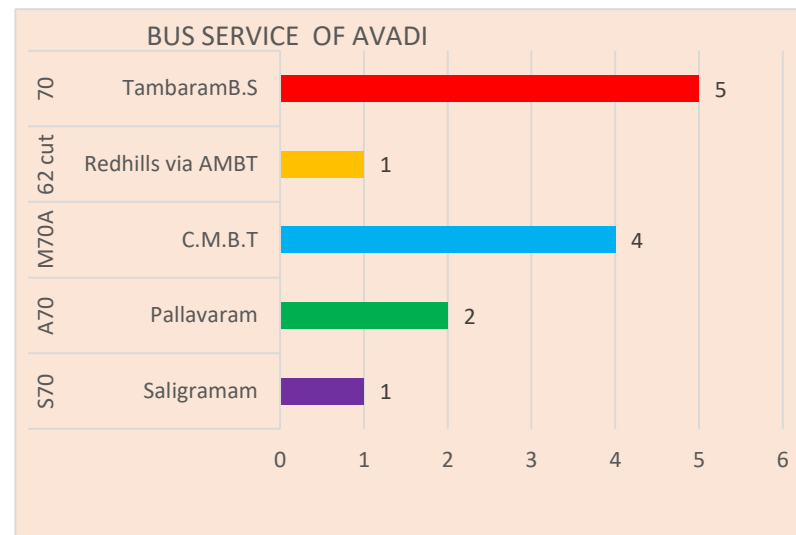


Source: Handbook of Metropolitan transport corporation(Chennai) limited

The bus service of the Avadi, bus services from Avadi to reach different destination available of bus service in 24C from Avadi to V house total number of bus 7, In 40A, cut Avadi to Egmore RS, a total number of bus-is 2, 61C cut service from Avadi to muthapudupet number of buses 4, 61D cut service reach the Redhills total number of buses 2, 65C cut service only one bus to reach the destination to Pakkam village, the bus number 70 is reached to Tambaram total number of buses are 7. In ORD service means ordinary bus service , LSS means limited stop service in Indian bus service system, M means M service of bus type.

TABLE 1.2.2 TABULATION FOR BUS SERVICE IN AVADI

Bus no	Origin	DESTINATION	TOTAL NO OF BUS
S70	Avadi	Saligramam	1
A70	Avadi	Pallavaram	2
M70A	Avadi	C.M.B.T	4
62 cut	Avadi	Redhills via AMBT	1
70	Avadi	TambaramB.S	5

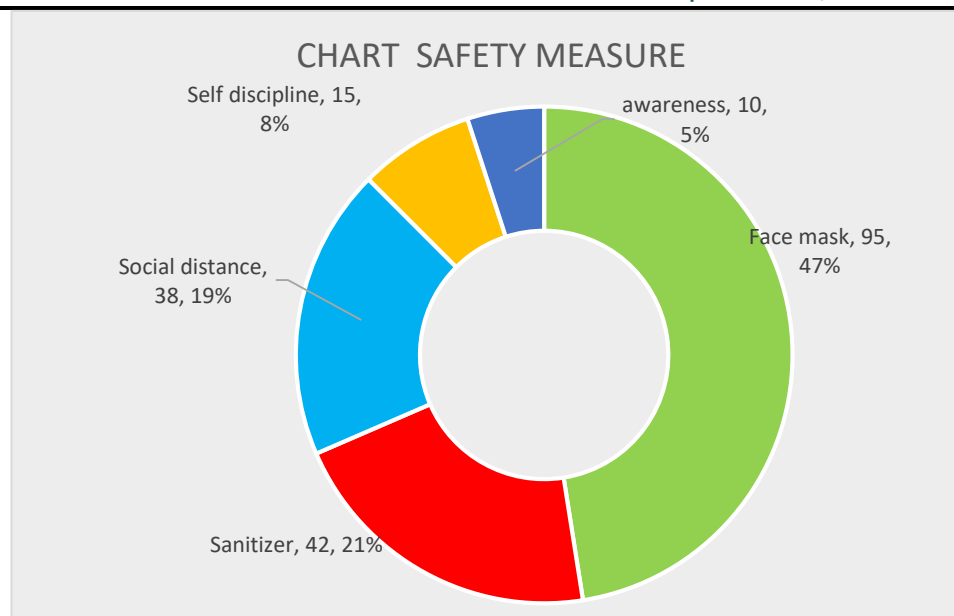


Source: Handbook of Metropolitan transport corporation(Chennai) limited

The above table and chart show that bus number S70 from in Avadi to Saligrammam total number of the bus is 1, the bus number A70 origin in Avadi to Pallavaram total no of buses are 2, M70A Avadi to C.M.B.T total buses 4, the bus number 62 cut from Avadi to Redhills total number of the bus is 1, the bus number 70 from Avadi to Tambaram the total bus service is 5 in the bus service.

TABLE 1.3 TABULATION FOR SAFETY MEASURES

S.NO	SAFETY MEASURES	PERCENTAGE FOLLOWED
1	Face mask	95
2	Sanitizer	42
3	Social distance	38
4	Self discipline	15
5	awareness	10



Source: Primary data

The above table and chart show that 48% of the respondents are important to face mask travel in bus service, 21% of the respondents are frequently using the sanitizer, 19% of the passenger maintain social distance as a safety measure, 7% of the passenger are self discipline as a safety measure, 5% of the respondents consider as an awareness is the safety measure.

I. FACE MASK

With the ongoing research and development on the novel Corona virus. It is believed that covid-19 is spread through the respiratory droplet of an infected person. The virus can be transmitted to other people if they come in contact with the infection droplets or hold the aerosol. Therefore wearing a face mask by a healthy person is widely debated. It is important to take preventive measures to stay safe and healthy. When an infected person coughs sneezes, or takes the infection developed can be transmitted to other people close. These droplets can be also Linger in the air, which can be inhaled by people nearby resulting in further spread of the virus. Using a face mask prevent the sick people from spreading the respective droplets from their Nose and mouth as capture their large infection droplets within the mask. They can also reduce the small droplets from being disposed into the air to a certain degree. thus wearing a disposable mask can significantly reduce viral transformation. As the last development and Studies have shown that the corona virus can also live on surface, which touched can also spread the virus. if any person touches their eyes, nose, or mouth after touching the contaminated surface, they are at the very risk of becoming infected. It is often hard for people to keep their hands away from their face, therefore, using a face mask helps reminds them not to touch their nose or mouth after touching the only surface which might be infected to avoid contracting the virus. Wear a face mask to keep yourself and your loved ones safe and out of harm's way. Stay protected.

II. SOCIAL DISTANCE

Social removing Too called physical removing implies keeping a secure space between yourself and other individuals who were not from the family to hone social or physical distance remain at domestic 6 feet (almost to arm's length) from other individuals who are not from your family is both indoor and open-air spaces. Social removal ought to be home in combination with other regular preventive activities to diminished the spread of covid-19. Covid-19 spread the most among the individuals who are in near contact (within around 6 feet) for a delayed period spread happens when the tainted individual hack, wheezing, or talks and beads from their mouth or nose for propelled into the discussion and arrive in the nose or mouth of the individuals close by the bead can too be breathed in into the lungs later thinks about the demonstrated that individuals who are tainted but don't have Sensitivity too play a part within the spread of covid-19.

Since individuals can spread the infection sometime recently they know they or wiped out, it is imperative to remain at the slightest 6 feet continuously from others when conceivable indeed in case you're they don't have any indications social

separating is particularly vital for individuals when are at higher chance for server ailment from the covid-19 Covid-19 can live for hours or days on the surface depending on variables such as daylight, stickiness, and The sort of surface all contemplations the chance of benefit sickness may be distinctive for everybody. Everybody can get and spread covid-19. Everybody has a part to play in abating the spread and securing themselves with their family and their community. In extra to practising ordinary steps to avoids covid-19 keeping space between you and other is one of the leading instrument we have to maintain a strategic distance from being uncovered to this infection and abating its spread in communities.

Tips Of Social Distancing :

When going out within the open, it is critical to remain at the slightest 6 feet absent from other individuals and wear a veil to moderate the spread of covid-19. Considered to the taking after tips of the practising social separating after you have chosen to go out.

Know Before You Go :

Sometimes before going out try to know and follow the direction from public Health authorized where you live.

Prepare for transformation:

Consider social distancing option to travel safety whether walking, bicycle or using a public transport, or taxi, when using public transport try to keep at least 6 feet from other passenger or transport operation for example when you are waiting at a bus station for Transport.

Limit Contact When Running Errands :

Only visit a store selling a household essential in person when you need to, and stay at least 6 feet always from others who are not from your household while shopping and in lines. If possible use online shopping services to Limit face-to-face contact with the other maintain physical distance between yourself and the delivery service provided during the exchange and wear a Mask.

Choose safe social activities:

It is possible to stay socially connected with the friend and family who does not live in our home by calling, using video chat and staying connected through social media. If meeting others in person (eg at a small outdoor gathering, yard or driveway gathering with a small group of friends or family members) stay and least 6 feet from others who are not from our households.

Keep Distance At Event And Gathering :

It is safe to avoid a crowded place and gathering where it may be difficult to stay and the least 6 feet away from others who are not from your household and pay attention to any physical guidance such as tape marketing on the Floor or signs on the wall, directing attending to remain at least 6 feet apart from each other inline or at other times.

Stay Distanced While Being Active :

Consider going for a walk, bike ride, or in another safe location where you can maintain and least 6 feet of distance between yourself and others.

III. SANITIZER :

Amid a covid-19 widespread, keeping hands clean is particularly vital to assist anticipate the infection from spread germs are all over they can get into hands and things we touch amid everyday exercises and make us wiped out cleaning hands at key times with cleanser and water or hand sanitizer that they contain at slightest 60 % alcohol is one of the foremost vital steps you'll be able to take dodge getting wiped out and spreading germs to those around you. There are imperative contrast between washing hands with cleanser and water and utilizing hand sanitiser cleanser and waterworks to expel all sorts of germs from hands, whereas sanitiser act by Slaughtering certain germs on the skin all-through liquor based hand sanitizer can rapidly diminish the number of germs like crown infection, cryptosporidium, clostridiodes difficult. Hand washing diminishes the sums of all sorts of germs, pesticides and metals on hands, knowing when to clean your hands which strategy to utilize will allow you the most excellent chance of anticipate.

IV. SELF DISCIPLINE :

preventive activities to assist the anticipate the spread of examiner Re-infection ought to be taken after

- Wash your hands regularly with cleanser and water for at slightest 20 seconds, Use liquor based hand sanitizer that contains at slightest 60% liquor in case cleanser and water not available,
- Avoid touching your eyes, nose and mouth with unwashed hands
- Avoid near contact with individuals who were sick
- Cover your nose and sneeze with the tissue, then throw the tissue in the trash.
- Clean and purify regularly touched objects and surfaces
- Maintain as slightest 2 meters (6-feet) remove between yourself and other individuals especially those who are hacking wheezing and have a fever.
- Wear confronts veil open setting where other social separating measures are troublesome to maintain.

SUGGESTION:

- In the covid-19 circumstance we have to be secure our-self from the infection by taking after the security measures such as confront cover, keeping up social distancing and after utilizing hand sanitizing and all make a difference to preserve self-discipline these all make a difference us to defend from the virus.
- Especially in public transport the traveller are travel from diverse regions and area so all got to maintain such kind of degree
- While the traveller travel to long voyaging in open transport. The government have to inquire the travelers to check the covid-19 test for secure voyaging. It Secures our-self and others also.

CONCLUSION:

Within the Covid -19 circumstance, there are more challenges are confronted in public bus transport .so the government should increase the number of buses and recurrence of buses to bear a few challenges. In case the accessibility of many buses expanded it offers assistance to secure our-self. In Covid circumstance the government executed more safety measures like wearing face mask, using sanitizers, keep up social distance and diminishes the number of traveller whereas voyaging in bus transport of the overtaking after measures person whereas utilizing bus transport it makes a difference s to display in case another wave tragically comes and other infection circumstance.

References:

Handbook of Metropolitan transport corporation(Chennai) limited..

https://en.m.wikipedia.org/wiki/Impact_of_the_COVID-19_pandemic_on_public_transport

COVID-19 and Public Transportation: Current Assessment, Prospects, and Research Needs,July 2020 ,[Journal of Public Transportation](#) 22(1)

https://www.researchgate.net/profile/OdedCats/publication/342573493_COVID19_and_Public_Transportation_Current_Assessment_Prospects_and_Research_Needs/links/5fb52e3345851518fdb0e00a/COVID-19-and-Public-Transportation-Current-Assessment-Prospects-and-Research-Needs.pdf?origin=publication_detail., pg. no1-42.

Impact of the covid 19 on the transport industry ,December 2020,pg.no 1-38.

JHU CSSE COVID-19 DATA.

