

IMPACT OF COVID-19 ON TRANSPORTATION

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The impact of covid-19 seriously affected the entire world but one of the numerous areas that have been hit hard by the coronavirus pandemic is transportation. traveller and cargo transport both experienced serious misfortunes the emergency. Day-by-day traveller and workers have been altogether impacted by the pandemic. We have carried out this survey to study the impact of covid-19 on transportation as transportation has been reduced during the lockdown period because of compulsory stay-at-home requests, shut retail / shops and apprehension about getting the infection public vehicle in particular has seen an untouched low in ridership individuals are staying away from public travel in anxiety towards interacting with the infection. And because of this people are switching to private vehicles.

Our survey discusses the changes and consequence of covid-19 on transportation sector and has been briefly discuss further.

Key words: *Pandemic, covid-19, Transport.*

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Introduction: -

The massive spread of coronavirus across the world has a impact on transportation sector. Transportation was going good before the outbreak of pandemic. But since past two years of covid-19 and lockdown was imposed due to which transportation sector faced many challenges.

Lot of risk was involved in traveling through public transport as more number of people rely on public transport more. People were introduced to quarantine and social distancing.

Covid-19 made us think how different our future of transportation will be.

Transportation sector has entirely affected on economical level.

The transport sector faced major challenges in this pandemic situation some of which included to bring things back on track, to allow citizens to wear mask, to meet face to face, and practice social distance.

Transportation must keep on doing its functioning by following the restrictions and protocols. During covid-19, through lockdown was imposed it was the need of the day to stay at home, yet certain essential service providers such as doctors, nurses, frontline warrires had to continue providing services. And for them

transportation was essential.

Huge impact of pandemic was on people who were more relying on public transport on daily basis.

This survey will investigate on how people responded to the “new normal” pandemic situation.

In addition to this, due to lockdown online education, work from home, distance learning took place, which drastically affected transportation.

People started to avoid taking public transport in fear of coming in contact with who maybe infected.

Objectives –

- This survey will allow us to pick out the difficulties faced by people and also transport industry as services availability came down drastically when lockdowns were imposed.
- To understand the financial crisis faced by people and transport services.
- To understand the level of acceptance of people to the “new normal” phase.
- To understand which mode of transit people find safer travel in this ongoing pandemic phase or are they accepting it because they are helpless, as they rely on public transportation more.
- To understand how pandemic caused loss to health transport and health sector
- This survey will show how the transport operators have to face various financial crises due to Sudden reduction in travel demand.

Limitation of research –

Any survey that is based on research has few limitations or differences that has been recorded through the survey.

This study was collection of close end questions where the user on the responder will only be able to answer in yes or no. format.

This study further gave us the clear information about the concerns and issues of transport sector people. But could not go deep in the issues we have tried our best to explain this in detailed manner.

Data has been collected through survey and interviewing the responses of target audience.

The survey was carried out online. Objective and aim of the survey were informed to the respondents.

The survey took place in question answer format where the respondent can select yes or no options.

Literature Review -

While working on this research paper we had to go through several articles related to research.

It came to our consideration that since in these two years as covid-19 took place and transportation got affected.

This has left a negative impact on transport service providers as they had to face financial problems and also some of them had to quit their job.

Several researches had been carried out before.

Shamshiripour et al- additionally examined how travel practices had changed during the COVID19 pandemic.

They zeroed in on the financially weak gatherings and working from home.

De Vos- tracked down that walking and cycling, casually or utilitarian, could be significant ways of keeping up with good degrees of wellbeing and prosperity. The creator talked about the implications of social separating on movement designs. The review zeroed in on the impact of social separating on abstract prosperity and wellbeing status.

Frank et al- assessed the changeability of individuals to participate in remote work and social separating.

Alejandro and Oded - recognized the examination need and frameworks measures to lessen swarming openly transport.

Zhou et al- proposed schedules and down to earth pandemic avoidance procedures for metropolitan public vehicle framework from three perspectives: irresistible source, transmission course and powerless populace of COVID-19.

In order to review the article, analysis was conducted to categorical and evaluate the aspects of each work. (Greg Winfree and joe Ziestman 2020.) it came to our consecration that there has been a marked increased in the number of published articles between 2019 and 2021.

Methodology –

Here we have collected the information by using primary and secondary methods.

A survey through google form questionnaires which included 10 questions about how covid-19 impact transportation as well as people of all age groups (n=100).

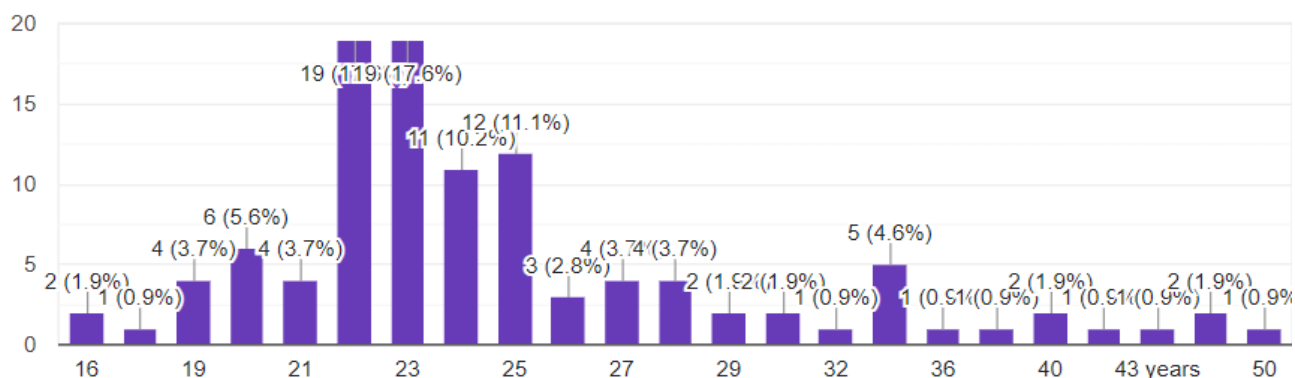
Google form has been an easy and effective tool that provides collection of data, analyse it and provides great performance.

It was easy for us to analyse the responses according to google forms as its displays pie-chart and also counting the responses of every individual.

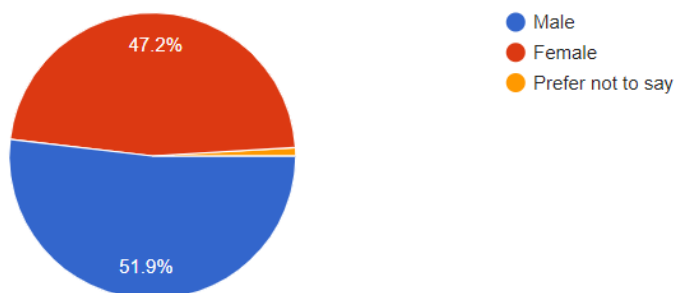
Google forms allows us to remove the duplicate responses.

Age

108 responses

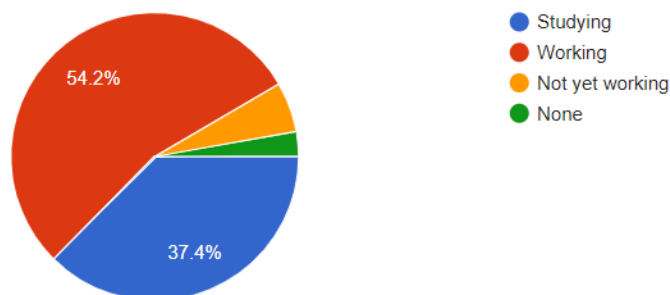


Gender
108 responses



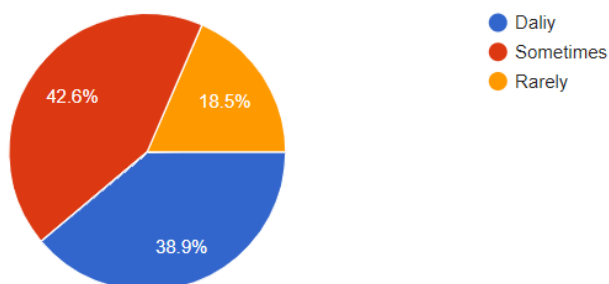
through the survey results we got to know that 46.1% female and 52.9% males, has proven to impotent to understand the detects of this survey form.

Profession :
107 responses



Here we have to know that 54.2% people were working during pandemic. 37.4 % people were getting education. And 6% people were not working.

How often do you use public/private transport?
108 responses



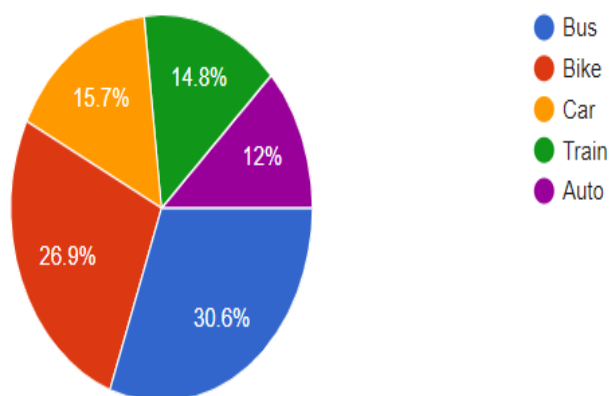
The survey revealed that through the overall response. 42.6% people used transport sometimes during pandemic.

38.9% used to take public/private transport daily.

Rest 18.5% people stayed home.

which mode of transport you travel daily by?

108 responses



It further added during pandemic among the following responses.

30.6% people travelled by bus

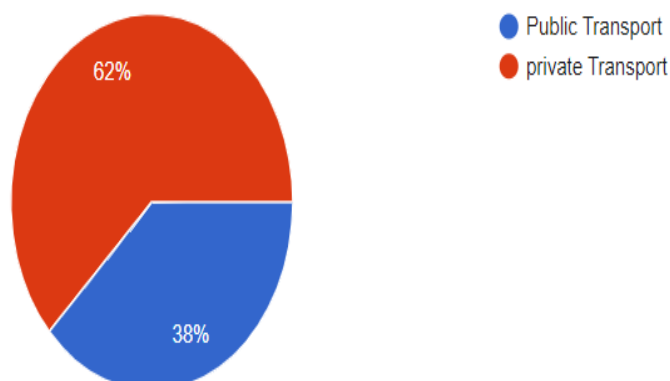
26.9% people travelled by bike.

14.8% people travelled by train. As well as car.

Rest 12% people travelled by auto.

How do you travel during Covid19?

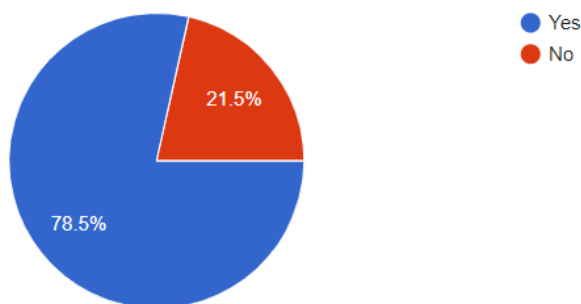
108 responses



62% travelled by private vehicles during covid-19. Where 38% people travelled by public transport.

Did you find it challenging to travel during covid19?

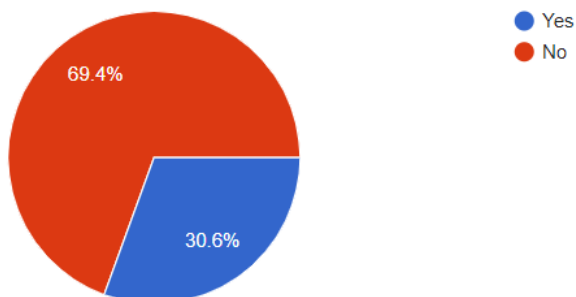
107 responses



Above diagram shows that 78.5% people find it challenging to travel during covid.

Does public transport practice social distancing?

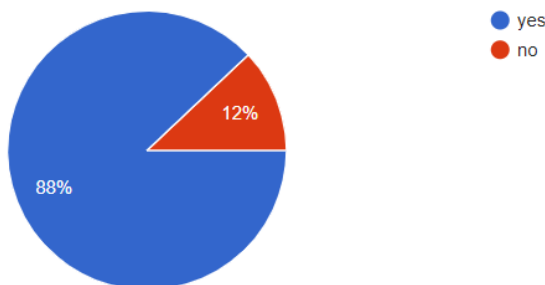
108 responses



69.4% people thinks public transport practice social distancing

During covid-19 situation, i didn't feel safe or comfortable sharing close space with strangers?

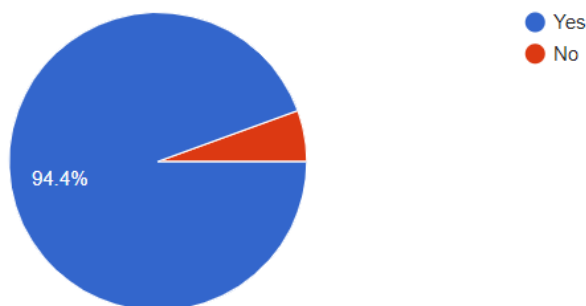
108 responses



88% people didn't feel safe or comfortable sharing close space with strangers during covid-19, where as 12% people feel safe or comfortable sharing close space with strangers during covid-19.

Transportation become infrequent during covid-19?

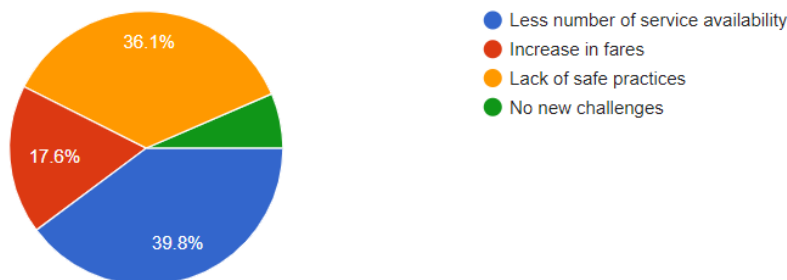
108 responses



94.4% people think transportation become infrequent during covid-19

what do you think are the biggest challenges concerning the public transport post Covid-19?

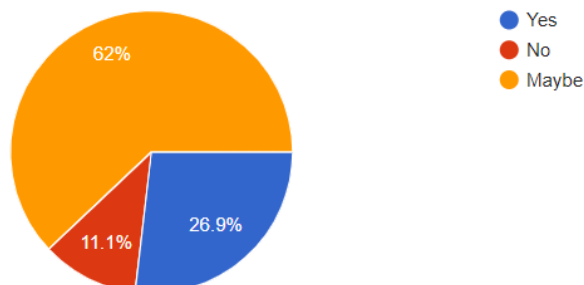
108 responses



39.8% people think the biggest challenges concerning the public transport post covid -19 is less number of service availability. 17.6% people think increase in fares, and 36.1% people think lack of safety practices

Do you think there will be an overall change in transport behavior in future? (post Covid)

108 responses



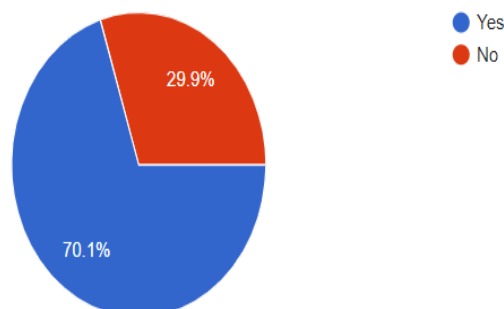
62 % people thinks there will be an overall change in transport behaviour in future.

26.9% people thinks there will be an no overall change in transport behaviour in future.

And rest 11.1% people thinks maybe there will be an overall change in transport behaviour in future.

Financial circumstances changed during covid-19, as i can no longer afford to travel the same way as earlier?

107 responses



70.1% people agree that financial circumstances changed during covid-19, as they can no longer afford to travel the same way as earlier.

Result –

Result reveal that people are avoiding public transport and comfortable to shifting to taking private vehicles or walking.

This research analyses through survey and through personally meeting public transport users, people are taking safety measure are preferring to avoid public transport.

People are moving towards private cars, bikes, and some prefer walking due to the fear of covid-19

Cycling has increased in the post pandemic period as people want to stay fit and also practicing social distancing.

Due to these bicycles sales are going high and are having high demands.

In addition to this, due to lockdown online education, work from home, distance learning took place, which drastically affected transportation.

People started to avoid taking public transport in fear of coming in contact with strangers.

Conclusion –

Due to covid-19 there will be behavioural change in people permanently. Transportation will never be same as earlier.

It is important to understand the importance of facilities among the people who are more rely on public transport.

Even in this time of pandemic it is not possible to shut down the transport.

Safety measures to be taken during the time of transport.

The secondary method used for analysing of data has been very effective and had good outcome.

In future we all need a better transport facility that will serve us in good as well as in pandemic times.

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