

Committee for Melbourne
Webinar – Reimagining Mobility in Melbourne after COVID-19
Tuesday 19th May 2020

Covid-19 – Long Term Travel Impact Research Early Results – Summary of Key Points

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Monash Uni is running a research program on the Long Term Impacts of C-19 on passenger travel – Phase 1 is a series of interviews in Melbourne (Complete) Phase 2 is a Panel Survey (In Planning)

C-19 Travel Impacts - Online Interview Survey

Objective:

provide qualitative detailed <u>narratives</u> of how <u>C-19</u> <u>shutdown</u> has <u>impacted the lives</u> of respondents and to provide <u>inputs to long term forecasting</u> of impacts.

Aims:

- Understand <u>personal experiences of C-19 Shutdown</u> on life, work and travel – notably differences between pre-shutdown and shutdown (in their words)
- Ask for respondents <u>personal views</u> on how life, work and travel might change in a <u>post-C-19 shutdown</u> – will anything have changed? (in their words)
- c. Explore specific issues which might affect long term travel with respondents (in their words)

Approach

- 18 interviews - 40 mins - online/by phone

Table 1 - Sample Frame - Online Interviews

	Regions of Melbourne								
Personal	Inner			Middle			Outer		
Income									
	Age			Age			Age		
	Low*	Medium	High	Low	Medium	High	Low	Medium	High
Low	1 ²	-	1	1 ²		1	1 ²		1
Medium	1	1 ²		1	1 ²		1	1 ²	
High		1	1 ²		1	1 ²		1	1 ²

¹No surveys are undertaken of anyone aged under 18 ²Respondents who used Public Transport in Melbourne equal to and also more frequently than 1-2 days a week





Long term impacts in the case means POST-PANDEMIC; when there is no longer a risk of infection – it DOES NOT concern post shutdown

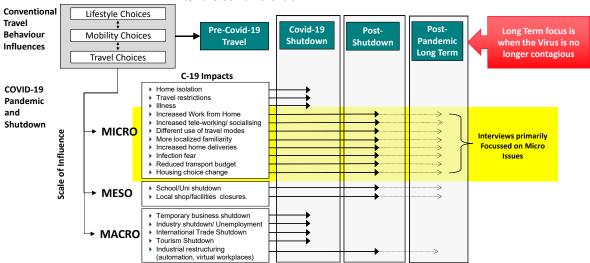
Pre-Covid-19 Travel Covid-19 Shutdown Post-Shutdown Post-Pandemic Long Term Long Term focus is when the Virus is no longer contagious





Key to the research is a framework to understand lasting travel impacts of C-19; Micro impacts are explored in the surveys including the interviews

An Integrated Framework of Factors Influencing Travel Behavior Before, During and After the Covid-19 Crisis.



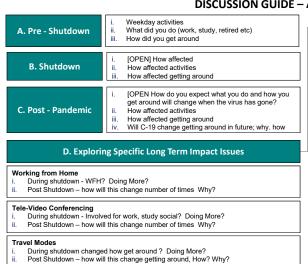
Note: This framework is developed by the research team from a review of previous research literature and also from a workshop with staff from the Victorian Department of Transport





Interviews explore 4 issue sets – Pre-Shutdown, Shutdown, Post-Pandemic and Specific Issues which might affect long term travel (from the framework)

DISCUSSION GUIDE - Areas for Questioning



Local Travel

activities more local? What? How do you get around? Post Shutdown - will you do more local activities - Why?

Home Deliveries

During shutdown - had more? What? Why?

Replaced out of home travel?
Post Shutdown – how will this change deliveries - Why?

Residual Public Transport Fear

[OPEN] After shutdown – will you use PT? Why? When infection risk gone – will you have concerns about infection on PT in future? How will this affect PT use? Why?

Impact of Lower Income

- After shutdown will income be less? Why? How will this affect going to activities?
- How will this affect how you get around?

After shutdown – will the C-19 Crisis affect how you own and use a car? How? Why?

Residential Housing/Location

After shutdown - will the C-19 Crisis affect where you want to live? Where? Why?





Post-Pandemic; EVERY respondent said they would do activities and travel the same way they did Preliminary Results **Pre-Pandemic**

C. Post - Pandemic

How do you expect what you do and how you get around will change when the virus has gone?

Go back to normal

No get back to normal

Will drift back into same as we used to

I'll travel by public transport again

Not much change

Go back to normal

Go back to normal

Just go back to normal

It will all be the same; don't expect to change anything

Will soon go back to how it was

Expect it will go back to normal

Go back to how it was before the virus came about





Post-Pandemic; the only important travel issues are work/study from home which is likely to have a longer term impact – but impact scale will be small – other impacts are minor

Preliminary Results D. Exploring Specific Long Term When the Virus has gone - how will Impact Issues this change how you get around? Half - would like to do boss said it was good; it makes life so much Affects Half - will go back Working/Study from Home easier; im going to try and negotiate it some W/S FH in future 6/18 to work/study About a third will continue Post-Pandemic; Affects Tele-Video-Phone Will continue to use telehealth: quite like it. Conferencing/Meeting most only a little means I don't have to travel to the doctor 15/18 Almost all Travel Differently Little Post-Pandemic Would like to walk more for health but **New Travel Modes/Patterns** expect I'll go back to before the virus during shutdown change in travel expected Most haven't changed range Few expect to be more Will go back to same travel as before More Localised Travel shutdown local in travel of local travel 10/18 had more home Impact of home delivery -Only 2 expect to continue post Prefer eating out online shopping deliveries during shutdown pandemic - small travel impact None expect a long term 3/18 had some income No, income should return to normal Impact of Lower Income impact in shutdown impact on activities or travel None expect a long term impact on car ownership/use Car Ownership I don't think there will be any affect. None expect a long term I never liked high density inner Residential Housing **Preference & Location** Quite used to living in the city living: this makes me think im impact on housing/location center right (outer area resident)

Post-Pandemic; EVERY respondent using public transport Pre-Pandemic said they would us public Preliminary Results transport Post-Pandemic; occasional PT users also agreed

D. Exploring Specific Long Term Impact Issues

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Post Pandemic will you use public transport?

Yes

Yes

Yes no problem with it

Yes will use public transport

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Yes I would

Im not scared to use public transport; I use trams even now

Yes

Yes I have no choice

See no reason why not; yes

D. Exploring Specific Long Term Impact Issues

Post Pandemic will you have concerns about infection on public transport?

Majority - No concern some noted concern

No more than usual; we have the annual flu concern but not a problem

A little apprehensive but no not real concerns; have to have a bit of confidence when things go back; ill be careful; get a flu shot

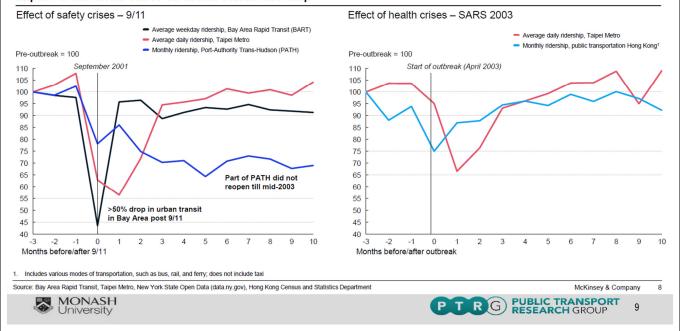
As long as risk has gone ill be ok





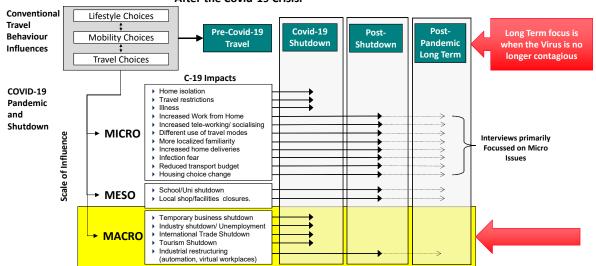
This matches findings from SARS/Safety shock impact on mass transit ridership - recovery within 3-6 months of crisis start - no suggestion of residual fear impact (but these events were relatively short term)

Impact of historical crises on urban transit ridership



MACRO level Impacts depend on recovery - the world has had much bigger pandemics and economies have changed but always recovered

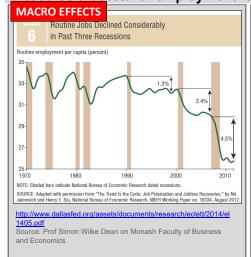
An Integrated Framework of Factors Influencing Travel Behavior Before, During and After the Covid-19 Crisis.

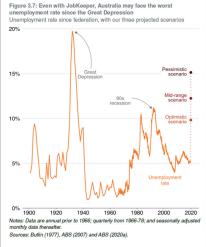


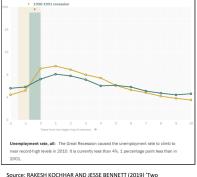
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MACRO IMPACT - We know that economic shocks have lasting employment effects for some groups - but also that total unemployment recovers over time

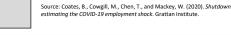






Source: RARESH RUCHHAR AND JESSE BENNET I (2019) TWO
RECOSSIONS, TWO RECOVERIES COmpare the two longest episodes in
U.S. history with our interactive' Pew Research Centre, Social and
Demographic Trends Dec 31 2019.

recoveries/ last accessed May 2020

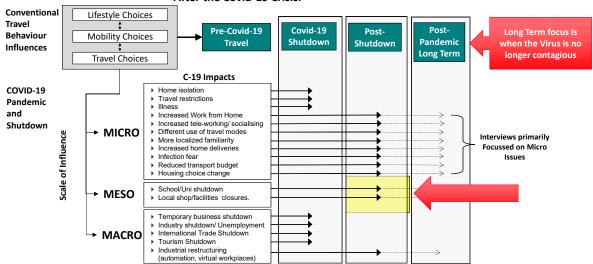


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MESO level Impacts – During Post-Shutdown many more behavioural changes will be imposed which will affect travel and which could have long term impacts

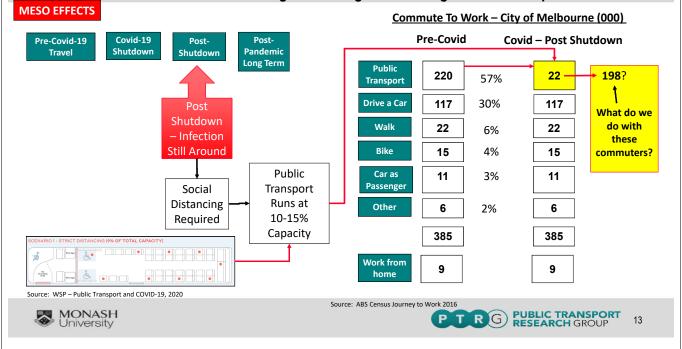
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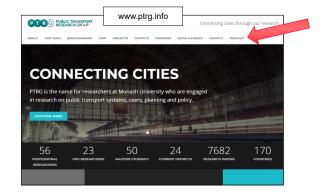
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MESO EFFECT – Post Shutdown – we need to find a new way to manage 51% of all travel to central Melbourne – how we do this and how long it lasts might affect long term travel impacts



A more detailed discussion of these findings is presented on the RESEARCHING TRANSIT podcast released next Monday 25th May





Long Term Impacts of Covid-19 on Travel $_{\rm Released\ Monday}$ $_{\rm 25^{th}}$ $\rm May}$



