

11th March 2021 WCTR SIG F1 & AUM Webinar

Long term/post-pandemic impacts of COVID-19 on commuting in Melbourne, Australia

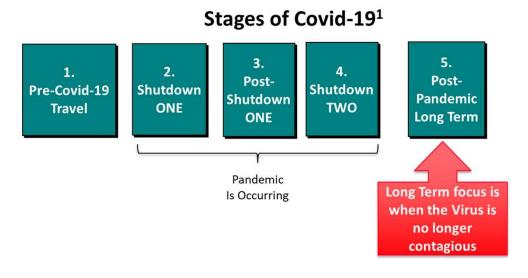
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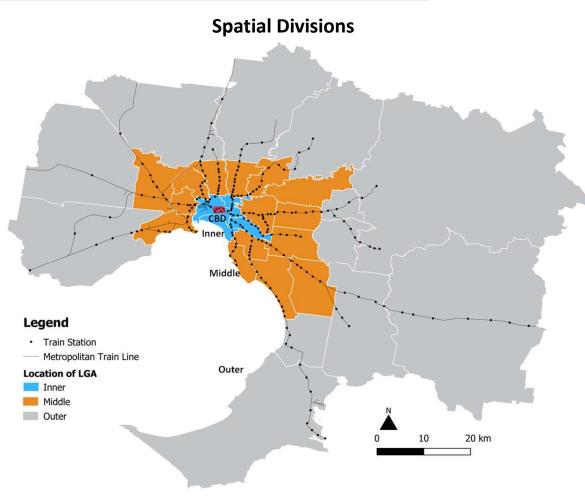




This presentation outlines findings of a study aiming to understand the long term/post pandemic impacts of Covid-19 on Travel in Melbourne – it focusses on spatial insights

Objective: Understand how C-19 has impacted travel including long term effects.



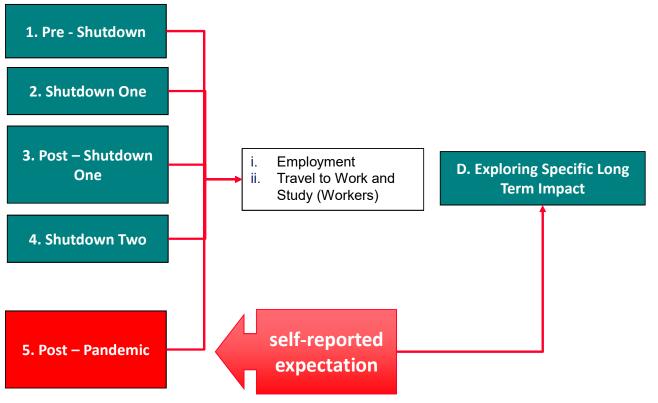






A unique research tool – a representative sample survey rather than 'convenience sampling' – results are representative of the population & adopt 'self-reported expectation' of post-covid travel

Online Panel Survey Questionnaire - Areas Covered



Note:

- (1) Quotas in a sample aim to ensure representation of the community with respect to key/influential demographic and spatial criteria
- (2) Statistical accuracy minimums are a sample of 600 to achieve a 95% confidence that any result is within 4% standard error.

Sample Frame¹

INNER MELBOURNE (n=700)							
	Annual Personal Income , Before Tax						
	Nil Income	Nil Income Less than Between More than					
Age Group	Target	Target	Target	Target	Total Target		
18-29	53	96	83	16	248		
30 - 44	12	43	86	79	220		
45 and over	12	89	62	69	232		
Total	77	228	231	164	700		

MIDDLE MELBOURNE (n=700)					
	Annual Personal Income, Before Tax				Total
Age Group	Target	Target	Target	Target	Total Target
18-35	37	73	92	36	238
36-54	17	43	87	90	237
55 and over	18	107	64	37	226
Total	72	223	243	163	701

OUTER MELBOURNE (n=700)							
	Annual Personal Income, Before Tax						
	Nil Income	Nil Income Less than Between More than					
Age Group	Target	Target	Target	Target	Total Target		
18-35	26	87	97	24	234		
36-53	15	64	101	56	236		
54 and over	18	122	65	25	230		
Total	59	273	263	105	700		

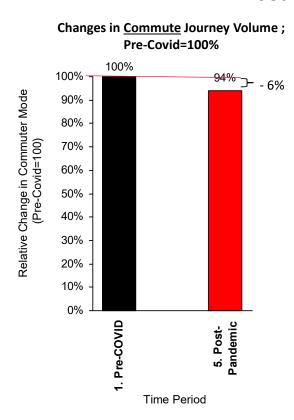
GRAND TOTAL					
	Annu				
	Nil Income	Nil Income INCOME 1 INCOME 2 INCOME 3			
Age Group	Target	Target	Target	Target	Total Target
AGE GROUP 1	116	256	272	76	720
AGE GROUP 2	44	150	274	225	693
AGE GROUP 3	48	318	191	131	688
Total	208	724	737	432	2101

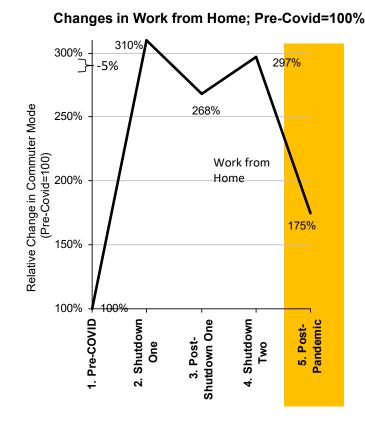


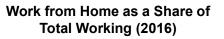


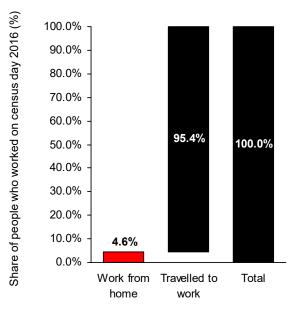
POST COVID total JTW travel declines by 6% - mainly due to increased WFH – the scale of shift is small (6%) because WFH is small as a share of work

Post-Covid Total Travel Reduction and Links to WFH Growth









Type of Work Travel

Source:: Australian Bureau of Statistics. 2016 Census Journey to Work

(1) Monash - August 2020 Online Panel -final sample - Self reported activity participation volume per week

(2) Weighted sample; representative of total Melbourne travel

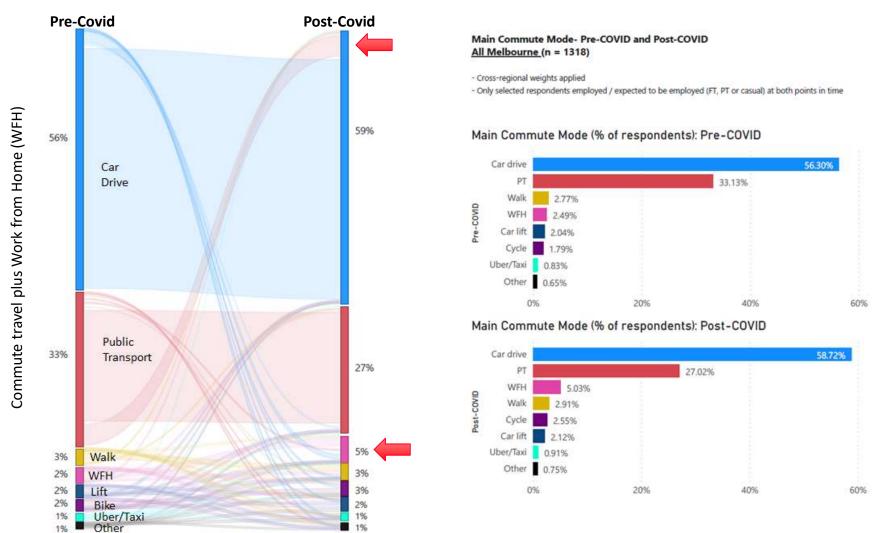




Note:

POST COVID JTW travel has a mode shift from transit to car-drive of around 3%; WFH increases from 2% to 5% from both car drive, transit and other modes

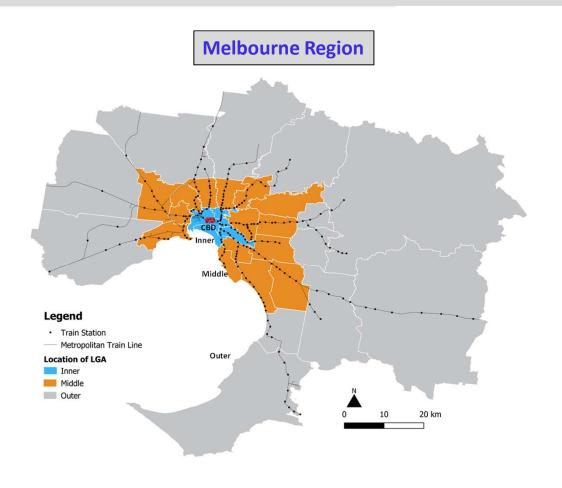
Post-Covid Total Mode Shift



Spatial Insights - Melbourne CBD and Inner/Middle/Outer Melbourne

CBD Commuting





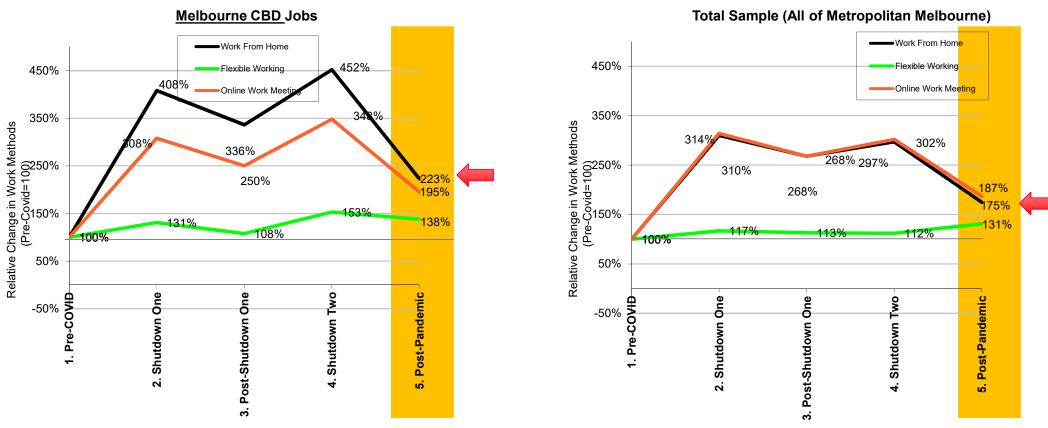




Work from Home is MUCH more common for CBD workers; Post Pandemic WFH is expected to more than double (+123%) compared to pre-covid, much higher than for Melb as a whole (+75%)

CBD Commuting

CBD vs Melbourne - Changes in <u>Alternative Work Methods</u>; Pre-Covid=100%



Voto:

(1) Monash – August 2020 Online Panel Survey – final sample - Self reported activity participation volume per week (2) Weighted sample; representative of total Melbourne travel

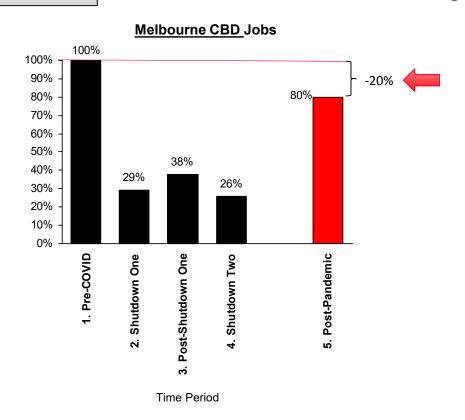


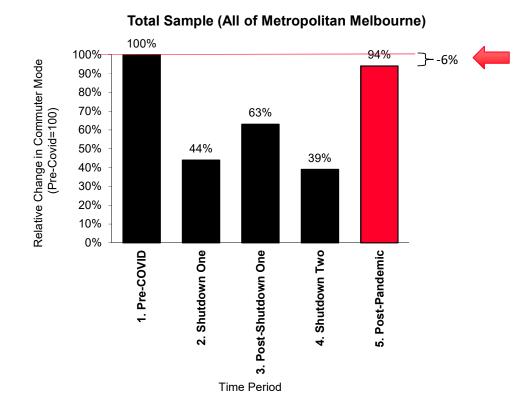


Respondents say CBD COMMUTE will reduce more than the rest of Melbourne; Post Pandemic a 20% decline in CBD COMMUTE is self estimated - much larger than for Melbourne as a whole (6%)

CBD Commuting

CBD vs Melbourne Jobs - Changes in Commute Journey Volume; Pre-Covid=100%





Note:

- (1) Monash August 2020 Online Panel final sample Self reported CBD travel to work volume per week
- P) Weighted sample; representative of total Melbourne travel

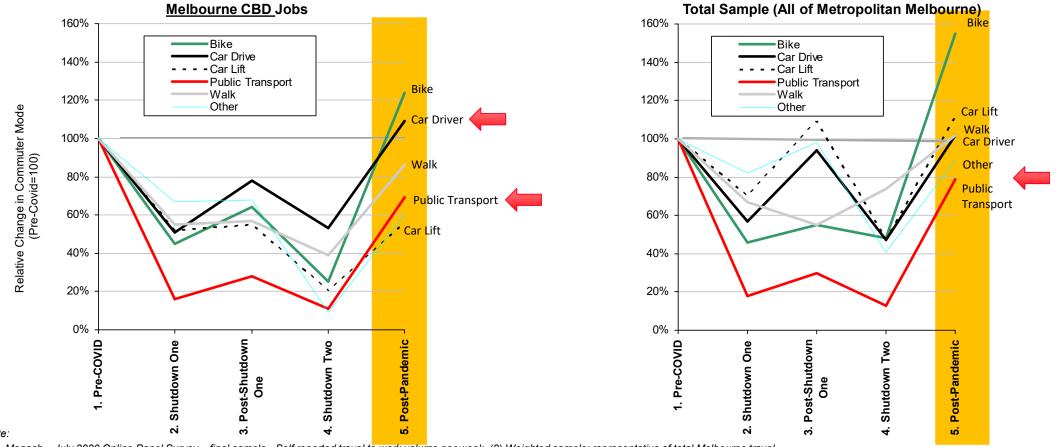


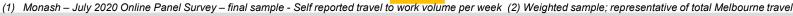


Post-Covid CBD COMMUTE grows for Bike (+24% Pre-Covid) & Car Driver (+9%). Car Lift (-44%) PT (-31%) & Walk (-14%) reduce. CBD modes decline more than Citywide; Car Driving growth is bigger

CBD Commuting

CBD vs Melbourne Jobs - Changes in <u>Commute</u> Journey Volume <u>by Mode</u>; Pre-Covid=100%

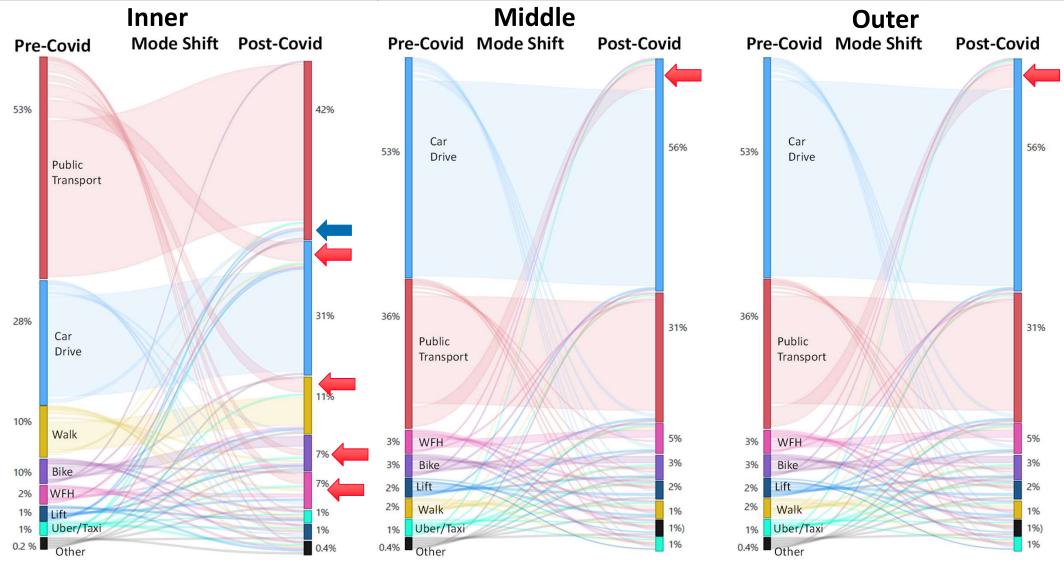








By <u>Melbourne Region</u>; there is a significantly different set of MODE SHIFT from Inner Area residents fro transit to car drive/walk and WFH; Middle/Outer shifts are much smaller



Please reach out for more information









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