



GTA consultants

Ballarat

WOMBAT STATE FOREST

LERDERBERG STATE PARK

KINGLAKE NATIONAL PARK

YARRA RANGES NATIONAL PARK

ENFIELD STATE FOREST

Melbourne

Highest 5 Melbourne LGAs (by total number of COVID-19 cases recorded as at 10 July 2020)

Concentration of workers who are less likely to be able to work from home:

Low High

Shows proportion of working population (aged 15+) working in 'Accommodation and Food Services', 'Agriculture, Forestry and Fishing', 'Arts and Recreation Services', 'Construction', 'Electricity, Gas, Water and Waste Services', 'Health Care and Social Assistance', 'Manufacturing', 'Mining', 'Retail Trade', 'Transport, Postal and Warehousing', 'Wholesale Trade' and 'Inadequately Described' by SA2 area, with data applied to centroid. COVID-19 cases based on data made available by the Department of Health and Human Services as at 7 July 2020 (https://www.dhhs.vic.gov.au/coronavirus-update-victoria-07-july-2020). Analysis based on Australian Bureau of Statistics data used under CC BY 4.0 (https://creativecommons.org/licenses/by/4.0/legalcode). Custom styling applied in Kepler.gl (https://kepler.gl/policy/). Map base © Mapbox(https://www.mapbox.com/about/maps/), © OpenStreetMap (http://www.openstreetmap.org/about/), to improve this map (https://www.mapbox.com/map-feedback/#/74.5/40/10). Note: some people that fall into these categories may be able to work from home. The map intended to inform the longer-term response to COVID-19 and not as commentary on the current restrictions. These are difficult times for all, and we need to come together as a community to support each other, especially those in need.

Mapping workers less likely to be able to work from home and outbreaks of COVID-19.

For many Melbournians working from home is not an option. Using census data we mapped these workers and overlaid the areas where we saw outbreaks of COVID-19 in Victoria's second wave. This is a snapshot of a larger project, but the results suggest that we need to think about those who need to travel for work, family responsibilities or medical care, compared with those who do not.

The spread of COVID-19 often occurs within households as well as at social gatherings and interactions in the home, with Victoria's current lock-down restrictions addressing the latter.

Even in lock-down, certain risks remain for the spread of COVID-19 in workplaces – both those closed to the general public and those which interact with the public.

Despite the requirement to work from home if you can, the reality is many people must leave the home to work.

Our analysis has highlighted the potential risk of the spread of COVID-19 for those who need to travel for work – given the correlation between a high proportion of people who need to work outside the home and the areas with the highest level of COVID-19 cases.

This is part of a wider review of travel and transport demands to inform our clients on short-term and long-term responses.

Our work is helping clients nationally to align the short-term decisions with longer term outcomes. We are using transport analytics, scenario planning and online collaboration tools to develop a range of stimulus-ready projects and programs.

At GTA Consultants, we are committed to supporting our client, communities and our staff during the COVID-19 crisis. To further discuss how we can assist you during this time please contact:

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