

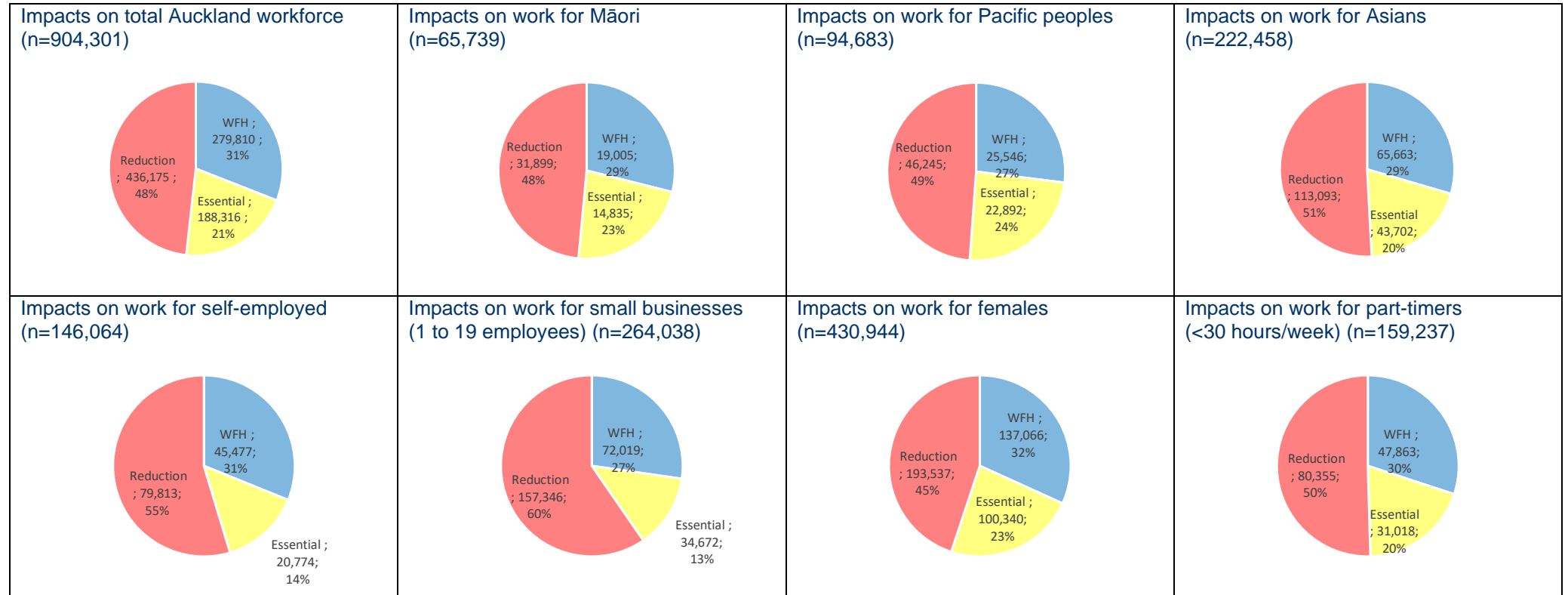
# Auckland Economic Update - Groups in lockdown in April

## Estimated impacts of lockdown L4 on employment, by selected group

Data is the latest available as at April 2020 (namely for year ended March 2019) and is for the Auckland region. Data is of all employed, and charts show, for various groups, modelled estimates of impacts of Level 4 lockdown on employment (based solely on the industries worked in) by three categories: Working from home (WFH; blue), Essential services worker (so not subjected to complete lockdown; yellow) and Reduced (unable to work during lockdown L4 ; red) (see also source notes).

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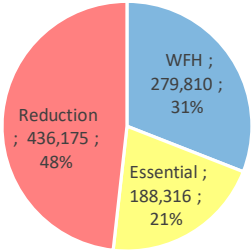
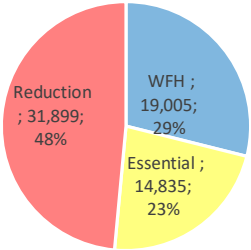
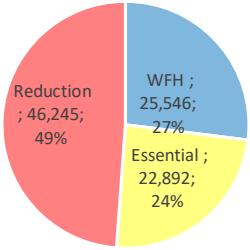
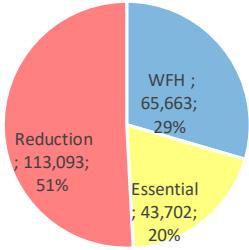
David Norman – Chief Economist  
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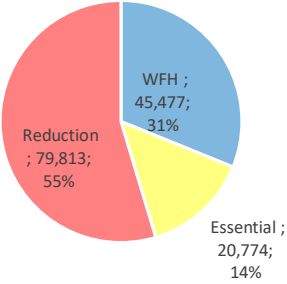
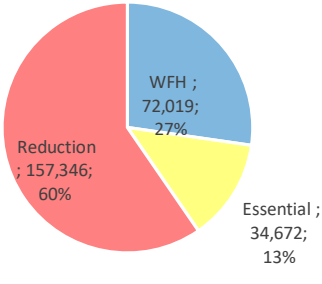
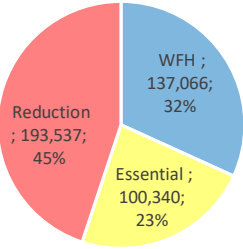
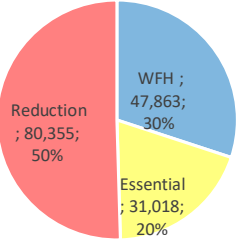
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### Sources and methodology:

RIMU analysis of by-industry data and analysis from ATEED, Infometrics, MBIE and Statistics New Zealand, as follows:  
 (1) Original (pre-Covid-19) total employees from Infometrics Regional Economic Profile of 2019; apply percentages to them;  
 (2) Industry-level percentage splits Working from home (WFH)/essential services/neither (reduction) from Infometrics (unpublished analysis April 2020) drawing on MBIE and Business Operations Survey (Statistics NZ).  
 (3) WFH includes WFH that are essential services; essential excludes essential WFH; reduction is share of employment that cannot work during lockdown L4. but may be temporary. Changes may be in jobs or hours/week within jobs.  
 (4) Total impact = sum of impacts by industry (so groups' differences based solely on differences in industries worked in).  
 (5) Industry shares for Māori, Pacific peoples, Asians, females and part-timers are from Stats NZ HLFS; for self-employed are from Infometrics Regional Economic Profile; for small businesses are from Stats NZ Business Demographics.NZ HLFS; for self-employed are from Infometrics Regional Economic Profile; for small businesses are from Stats NZ Business Demographics.

NOTE: analysis is based on early estimates April 2020 Lockdown L4; actual impacts will differ; may include some L3.

<p>Impacts on total Auckland workforce (n=904,301)</p> 	<p>Impacts on work for Māori (n=65,739)</p> 	<p>Impacts on work for Pacific peoples (n=94,683)</p> 	<p>Impacts on work for Asians (n=222,458)</p> 
<p>For the average of all groups in Auckland, for total employment in all industries, the impact of lockdown level 4 is estimated as:</p> <ul style="list-style-type: none"> <li>Working from home (WFH) 280,000, or 31% of employment</li> <li>Essential services<sup>1</sup> 188,000 or 21%</li> <li>Reduction in active employment 436,000 or 48%.</li> </ul> <p>The Auckland total WFH + essential services of 52% is similar to the rest of New Zealand (54%). Auckland's mix of industries results in a higher proportion working from home (31%) than the rest of NZ (27%) but substantially lower working in essential services (21%) than the rest of NZ (26%).</p> <p>1. Essential services that are WFH are counted as WFH.</p> <p>Note: Employment impact can be changes in jobs or hours/week within jobs; reductions may be temporary.</p> <p>Source: RIMU calculations; Infometrics unpublished data; Regional Economic Profile</p>	<p>For Māori in Auckland, for total employment in all industries, the impact of lockdown level 4 is estimated as:</p> <ul style="list-style-type: none"> <li>Working from home (WFH) 19,000, or 29% of employment among Maori</li> <li>Essential services<sup>1</sup> 14,800 or 23%</li> <li>Reduction in active employment 31,900 or 48%.</li> </ul> <p>The Māori total WFH + essential services of 52% is similar to the Auckland total (52%). The proportion of Māori working from home (29%) and in essential services (23%) are similar to/slightly above and below respectively the proportions in total Auckland (31% and 21% respectively).</p> <p>Note: Analysis is based solely on the industries they work in, so ignores other differences.</p> <p>Source: RIMU; Infometrics; Proportions of Māori by industry are from Stats NZ Household Labour Force Survey (HLFS) for Auckland, which is subject to significant sampling errors.</p>	<p>For Pacific peoples in Auckland, for total employment in all industries, the impact of lockdown level 4 is estimated as:</p> <ul style="list-style-type: none"> <li>Working from home (WFH) 25,500, or 27% of employment among Pacific peoples</li> <li>Essential services<sup>1</sup> 22,900 or 24%</li> <li>Reduction in active employment 46,200 or 49%</li> </ul> <p>The Pacific peoples total WFH + essential services of 50% is similar to/slightly below the Auckland total (52%). A lower proportion were working from home (27%) than for total Auckland (31%) but a higher proportion were in essential services than total Auckland (24% compared with 21%).</p> <p>Note: Analysis is based solely on the industries they work in, so ignores other differences.</p> <p>Source: RIMU; Infometrics; Proportions of Pacific by industry are from Stats NZ Household Labour Force Survey (HLFS) for Auckland, which is subject to significant sampling errors.</p>	<p>For Asians in Auckland, for total employment in all industries, the impact of lockdown level 4 is estimated as:</p> <ul style="list-style-type: none"> <li>Working from home (WFH) 65,700, or 29% of employment among Asian peoples</li> <li>Essential services<sup>1</sup> 43,700 or 20%</li> <li>Reduction in active employment 113,100 or 51%</li> </ul> <p>The Asian total WFH + essential services of 49% is similar to/slightly below the Auckland total (52%). A similar/slightly lower proportion were working from home (29%) than for total Auckland (31%) and a similar proportion were working in essential services (20%) compared with total Auckland (21%).</p> <p>Note: Analysis is based solely on the industries they work in, so ignores other differences.</p> <p>Source: RIMU; Infometrics; Proportions of Asian by industry are from Stats NZ Household Labour Force Survey (HLFS) for Auckland, which is subject to significant sampling errors.</p>

<p>Impacts on work for self-employed (n=146,064)</p> 	<p>Impacts on work for small businesses' employees (&lt;20 employees) (n=264,038)</p> 	<p>Impacts on work for females (n=430,944)</p> 	<p>Impacts on work for part-timers (&lt;30 hours/week) (n=159,237)</p> 
<p>For self-employed in Auckland, for total employment in all industries, the impact of lockdown level 4 is estimated as:</p> <ul style="list-style-type: none"> <li>Working from home (WFH) 45,500 or 31% of self-employed</li> <li>Essential services<sup>1</sup> 20,800 or 14%</li> <li>Reduction in active employment 79,800 or 55%</li> </ul> <p>The self-employed total WFH + essential services of 45% is substantially lower than the Auckland total (52%). A different mix of industries results in a similar proportion working from home as for total Auckland (31%) but a considerably lower proportion working in essential services (14%) than for total Auckland (21%).</p> <p>Note: based solely on the industries they work in, so ignores other differences.</p> <p>Source: Industry proportions for self-employed are from Infometrics Regional Economic Profile.</p>	<p>For small business employees in Auckland, for total employment in all industries, the impact of lockdown level 4 is estimated as:</p> <ul style="list-style-type: none"> <li>Working from home (WFH) 72,000 or 27% of small businesses' employment</li> <li>Essential services<sup>1</sup> 34,700 or 13%</li> <li>Reduction in active employment 157,300 or 60%</li> </ul> <p>The small businesses total WFH + essential services of 40% is substantially lower than the Auckland total (52%). A smaller proportion (27%) were estimated to be working from home than for total Auckland (31%), and a considerably lower proportion in essential services (13%) than total Auckland (21%).</p> <p>Notes: Small business = &lt; 20 employees. Source excludes self-employed, which are therefore modelled at the same ratios. Analysis is based solely on the industries they work in, so ignores other differences.</p> <p>Source: RIMU; Infometrics; employment proportions for small businesses are from Statistics NZ Business Demographics.</p>	<p>For female employees in Auckland, for total employment in all industries, the impact of lockdown level 4 is estimated as:</p> <ul style="list-style-type: none"> <li>Working from home (WFH) 137,100, or 32% of employment among females</li> <li>Essential services<sup>1</sup> 100,300 or 23%</li> <li>Reduction in active employment 193,500 or 45%</li> </ul> <p>The female total WFH + essential services of 55% is slightly higher than the Auckland total (52%). A similar proportion were estimated to be working from home (32%) as for total Auckland (31%) but slightly more (23%) in essential services than total Auckland (21%).</p> <p>Note: based solely on the industries they work in, so ignores other differences.</p> <p>Source: RIMU; Infometrics; Proportions of females by industry are from Stats NZ Household Labour Force Survey (HLFS) for Auckland, which is subject to significant sampling errors.</p>	<p>For part-timers in Auckland, for total employment in all industries, the impact of lockdown level 4 is estimated as:</p> <ul style="list-style-type: none"> <li>Working from home (WFH) 47,900 or 30% of part-time employment</li> <li>Essential services<sup>1</sup> 31,000 or 20%</li> <li>Reduction in active employment 80,400 or 50%</li> </ul> <p>The part-timers total WFH + essential services of 50% is similar to/slightly below the Auckland total (52%). A similar proportion are estimated to be working from home as for total Auckland (31%) and similar essential services to total Auckland (21%).</p> <p>Notes: Part time means work &lt; 30 hours/week. Analysis is based solely on the industries they work in, so ignores other differences.</p> <p>Source: RIMU; Infometrics; Proportions of part timers by industry are from Stats NZ Household Labour Force Survey (HLFS) for Auckland, which is subject to significant sampling errors.</p>