



**An analysis of the impact  
of the COVID-19 Pandemic  
on the economy of  
Melbourne's Northern  
Region**

# **An analysis of the impact of the COVID-19 Pandemic on the economy of Melbourne's Northern Region**

**A report for  
NORTH LINK**

**Prepared by the  
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***While the National Institute endeavours to provide reliable forecasts and believes the material is accurate it will not be liable for any claim by any party acting on such information.***

# Contents

	<b>Page no.</b>
<b>1. Introduction</b>	<b>1</b>
<b>2. Gross regional product (GRP)</b>	<b>3</b>
<b>3. Usual resident (UR) employment</b>	<b>4</b>
<b>4. Journey to work (JTW) employment</b>	<b>9</b>
<b>5. Sales</b>	<b>14</b>
<b>6. Value added</b>	<b>19</b>
<b>7. Definitions</b>	<b>24</b>

## List of tables

	Page no.
1. GRP factor cost – Total – All 7 LGAs combined	3
2. GRP market prices – Total – All 7 LGAs combined	3
3. Usual resident (UR) employment – Total – All 7 LGAs combined	4
4. Usual resident (UR) employment – Banyule	4
5. Usual resident (UR) employment – Darebin	5
6. Usual resident (UR) employment – Moreland	5
7. Usual resident (UR) employment – Hume	6
8. Usual resident (UR) employment – Nillumbik	6
9. Usual resident (UR) employment – Whittlesea	7
10. Usual resident (UR) employment – Mitchell	7
11. Usual resident (UR) employment – 7 LGAs combined	8
12. Journey to work (JTW) employment – Total – All 7 LGAs combined	9
13. Journey to work (JTW) employment – Banyule	9
14. Journey to work (JTW) employment – Darebin	10
15. Journey to work (JTW) employment – Moreland	10
16. Journey to work (JTW) employment – Hume	11
17. Journey to work (JTW) employment – Nillumbik	11
18. Journey to work (JTW) employment – Whittlesea	12
19. Journey to work (JTW) employment – Mitchell	12
20. Journey to work (JTW) employment – 7 LGAs combined	13
21. Sales totals – All 7 LGAs combined	14
22. Sales – Banyule	14
23. Sales – Darebin	15
24. Sales – Moreland	15
25. Sales – Hume	16
26. Sales – Nillumbik	16
27. Sales – Whittlesea	17
28. Sales – Mitchell	17
29. Sales – All 7 LGAs combined	18
30. Value added totals – All 7 LGAs combined	19
31. Value added – Banyule	19
32. Value added – Darebin	20
33. Value added – Moreland	20
34. Value added – Hume	21
35. Value added – Nillumbik	21
36. Value added – Whittlesea	22
37. Value added – Mitchell	22
38. Value added – All 7 LGAs combined	23

# 1. Introduction

NIEIR has been commissioned by NORTH Link to undertake an analysis of the impact of the COVID-19 Pandemic on the Northern Region of Melbourne.

Melbourne's recent history of growth has placed it as one of the fastest growing city of its size in the developed world.

The Northern Melbourne region is composed of seven local governments of Banyule, Darebin, Moreland, Nillumbik, Hume, Whittlesea and Mitchell. The region is diverse in its social and economic structure and includes inner suburbs, middle suburbs and rural and peri-urban communities.

All seven local government areas in the region are currently in lockdown and will remain so for several weeks to come and this will mean an even greater impact on the region's economy.

**In this report the 2019 four-quarter average is compared to the period since the pandemic began to have its impact (that is mostly in Q2 2020) for Gross Regional Product, Employment by industry and place of residence, sales and value added. Because the region is diverse the impact of each of the indicators described in the tables in this report differs across each local government area, depending on its economic structure.**

**The impact of Job Keeper has been a significant benefit to the Northern Region to this point. The employment tables show the split between those individuals who have lost their job and are probably on other forms of welfare (such as Job Seeker) and those individuals who have theoretically retained their jobs and are on the Job Keeper benefit. The figure showing the percentage of absolute decline combines both categories of workers. For example the Job Keeper component for the combined Northern Region for all those residents impacted by COVID-19 in terms of their employment is 39 per cent of all those impacted. For industry employment the figure is 43 per cent. This gives an indication of additional future vulnerability to job losses as at the end of Q2, 2020.**

**Comparing the results for the combined Northern Region across the indicators in this report the Melbourne Northern Region COVID-19 impact on GRP formation is typically greater, when compared to Melbourne as a whole, Victoria and Australia. The same applies to sales and value adding, where again the impact of COVI-19 appears to be greater when compared to Melbourne and Victoria. While the region to now has maintained jobs in line with the other regions compared here, the declines in GRP, sales and value adding, unless they can be corrected by additional capital expenditures, including on infrastructure, will have longer-term implications on jobs in the region.**

**The impact of COVID-19 on the GRP of Hume is particularly noteworthy (tables 1 and 2). The number of individuals impacted by COVID in terms of their employment and who are not on Job Keeper is particularly high in Moreland (9830), Hume (8901), Whittlesea (8748) and Darebin (8432).**

To offset the impact on GRP and employment, governments and regional organisations in Melbourne's North Region will need to implement a set of proactive and strategic interventions which will, in part at least, offset the considerable damage caused by the pandemic.

In the case of Melbourne's Northern Region these interventions are particularly critical given the existing **deficit** in capital spending in the Northern Region, compared to the remainder of Melbourne, much of which relates to public capital works.

The work by the Federal and State Governments to ensure the removal of this **deficit**, is now more critical given the relatively severe impacts of the pandemic on the Northern Region of Melbourne.

## ***Population growth***

One in five Melbournians live in the city's Northern Region, or around one million people and, from 2006 to 2016, the region added almost 200,000 people, which represented a faster growth rate than for the city as whole.

By 2036, the regional population is projected to be close to 1.5 million, about 100,000 larger than Adelaide today and half a million more than in the region today.

These are big numbers in terms of both absolute size and growth rate.

The size of the Northern Region and its rate of population growth imply a large and rapidly growing requirement for new/upgraded infrastructure and services, from the fast-growing fringe areas to the densifying inner suburbs.

## ***COVID-19***

***“The first case of novel coronavirus (2019-nCoV) has been confirmed by Victoria Health Authorities this morning. The Commonwealth Department of Health is in close contact with Victorian health authorities and has notified the World Health Organization. The patient, a man from Wuhan, flew to Melbourne from Guangdong on 19 January. Minister for Health Greg Hunt said, “Australia has world-class health systems with processes for the identification and treatment of cases, including isolation facilities in each state and territory, these processes have been activated.”***

The COVID-19 Pandemic, which began in Melbourne in January 2020, adds a new urgency to the need to invest in infrastructure and other forms of stimulus across the region.



## 2. Gross regional product (GRP)

	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>COVID-19 impact, absolute quarter % change</b>
Banyule (C)	1274.1	-121.0	-9.5%
Darebin (C)	1571.5	-247.4	-15.7%
Moreland (C)	1272.9	-130.1	-10.2%
Hume (C)	3355.7	-688.8	-20.5%
Nillumbik (S)	365.4	-41.7	-11.4%
Whittlesea (C)	1852.6	-183.6	-9.9%
Mitchell (S)	335.0	-26.8	-8.0%
<b>7 LGAs combined</b>	<b>10027.1</b>	<b>-1439.3</b>	<b>-14.4%</b>
Melbourne	83167	-11040	-13.3%
Victoria	101555	-12928	-12.7%
Australia	423887	-52445	-12.4%

	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>COVID-19 impact, absolute quarter % change</b>
Banyule (C)	1488.2	-141.3	-9.5%
Darebin (C)	1838.9	-289.4	-15.7%
Moreland (C)	1546.7	-158.1	-10.2%
Hume (C)	3519.3	-722.4	-20.5%
Nillumbik (S)	454.3	-51.8	-11.4%
Whittlesea (C)	2049.7	-203.2	-9.9%
Mitchell (S)	365.6	-29.2	-8.0%
<b>7 LGAs combined</b>	<b>11262.8</b>	<b>-1595.4</b>	<b>-14.2%</b>
Melbourne	90856	-12094	-13.3%
Victoria	110454	-14112	-12.8%
Australia	461116	-57208	-12.4%



### 3. Usual resident (UR) employment

**Table 3 Usual resident (UR) employment – Total – All 7 LGAs combined**

	2019 4 quarter average (no. of jobs)	COVID-19 impact, absolute quarter change (no. of jobs)	COVID-19 impact, absolute quarter % change	Job Keeper component (no. of jobs)	Not on Job Keeper (no. of jobs)	% Job Keeper component	% Not on Job Keeper
Banyule (C)	70898	-9881	-13.9%	-3954	-5927	40.0%	60.0%
Darebin (C)	87521	-13728	-15.7%	-5296	-8432	38.6%	61.4%
Moreland (C)	102039	-15789	-15.5%	-5960	-9830	37.7%	62.3%
Hume (C)	104759	-14453	-13.8%	-5551	-8901	38.4%	61.6%
Nilumbik (S)	38773	-5141	-13.3%	-2081	-3060	40.5%	59.5%
Whittlesea (C)	113270	-14508	-12.8%	-5760	-8748	39.7%	60.3%
Mitchell (S)	21352	-2555	-12.0%	-1056	-1500	41.3%	58.7%
<b>7 LGAs combined</b>	<b>538611</b>	<b>-76055</b>	<b>-14.1%</b>	<b>-29657</b>	<b>-46398</b>	<b>39.0%</b>	<b>61.0%</b>
Melbourne	2614623	-385396	-14.7%	-145672	-239723	37.8%	62.2%
Victoria	3351548	-476890	-14.2%	-188731	-288158	39.6%	60.4%
Australia	12726336	-1757046	-13.8%	-702742	-1054304	40.0%	60.0%

**Table 4 Usual resident (UR) employment – Banyule**

	2019 4 quarter average (no. of jobs)	COVID-19 impact, absolute quarter change (no. of jobs)	Job Keeper component (no. of jobs)	Not on Job Keeper (no. of jobs)	% Change
Agriculture, Forestry & Fishing	175	-13	-6	-7	-7.4%
Mining	179	-29	-8	-21	-16.4%
Manufacturing	4493	-480	-50	-430	-10.7%
Electricity, Gas, Water & Waste Services	659	-61	-6	-55	-9.2%
Construction	5821	-452	0	-452	-7.8%
Wholesale Trade	2173	-255	-29	-226	-11.7%
Retail Trade	6979	-1540	-927	-613	-22.1%
Accommodation & Food Services	3311	-1689	-868	-821	-51.0%
Transport, Postal & Warehousing	2849	-499	-184	-315	-17.5%
Information Media & Telecoms	1705	-76	-26	-51	-4.5%
Financial & Insurance Services	3371	-128	-1	-127	-3.8%
Rental, Hiring & Real Estate Services	1166	-57	-8	-49	-4.9%
Prof, Scientific & Technical Services	7407	-1816	-366	-1450	-24.5%
Administrative & Support Services	2253	-539	-118	-421	-23.9%
Public Administration & Safety	4785	-166	-9	-158	-3.5%
Education & Training	8105	-1066	-157	-909	-13.2%
Health Care & Social Assistance	11163	1060	0	1060	9.5%
Arts & Recreation Services	1600	-1103	-679	-424	-68.9%
Other Services	2704	-971	-513	-458	-35.9%
<b>TOTAL</b>	<b>70898</b>	<b>-9881</b>	<b>-3954</b>	<b>-5927</b>	<b>-13.9%</b>

	<b>2019 4 quarter average (no. of jobs)</b>	<b>COVID-19 impact, absolute quarter change (no. of jobs)</b>	<b>Job Keeper component (no. of jobs)</b>	<b>Not on Job Keeper (no. of jobs)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	184	-19	-8	-11	-10.4%
Mining	163	-28	-9	-19	-17.4%
Manufacturing	5765	-565	-50	-515	-9.8%
Electricity, Gas, Water & Waste Services	820	-64	-2	-62	-7.8%
Construction	5228	-451	0	-451	-8.6%
Wholesale Trade	2622	-246	-27	-219	-9.4%
Retail Trade	8455	-1918	-896	-1021	-22.7%
Accommodation & Food Services	6410	-3230	-1665	-1566	-50.4%
Transport, Postal & Warehousing	3490	-696	-236	-460	-19.9%
Information Media & Telecoms	2730	-174	-39	-135	-6.4%
Financial & Insurance Services	4288	-147	-5	-142	-3.4%
Rental, Hiring & Real Estate Services	1143	-55	-3	-52	-4.8%
Prof, Scientific & Technical Services	9613	-2325	-506	-1820	-24.2%
Administrative & Support Services	3361	-820	-184	-636	-24.4%
Public Administration & Safety	6093	-182	-4	-178	-3.0%
Education & Training	9675	-1282	-175	-1107	-13.2%
Health Care & Social Assistance	11911	1085	0	1085	9.1%
Arts & Recreation Services	2246	-1395	-841	-555	-62.1%
Other Services	3325	-1214	-646	-569	-36.5%
<b>TOTAL</b>	<b>87521</b>	<b>-13728</b>	<b>-5296</b>	<b>-8432</b>	<b>-15.7%</b>

	<b>2019 4 quarter average (no. of jobs)</b>	<b>COVID-19 impact, absolute quarter change (no. of jobs)</b>	<b>Job Keeper component (no. of jobs)</b>	<b>Not on Job Keeper (no. of jobs)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	171	-4	0	-3	-2.2%
Mining	157	-20	-4	-16	-12.6%
Manufacturing	6665	-580	-53	-527	-8.7%
Electricity, Gas, Water & Waste Services	956	-81	-8	-73	-8.5%
Construction	7062	-540	0	-540	-7.6%
Wholesale Trade	3040	-247	-24	-223	-8.1%
Retail Trade	9560	-1869	-737	-1131	-19.5%
Accommodation & Food Services	7711	-3988	-2068	-1919	-51.7%
Transport, Postal & Warehousing	4810	-1007	-355	-653	-20.9%
Information Media & Telecoms	2789	-178	-38	-140	-6.4%
Financial & Insurance Services	4710	-159	-10	-150	-3.4%
Rental, Hiring & Real Estate Services	1061	-57	-5	-51	-5.4%
Prof, Scientific & Technical Services	11235	-2452	-459	-1993	-21.8%
Administrative & Support Services	4003	-911	-205	-707	-22.8%
Public Administration & Safety	7385	-184	-5	-179	-2.5%
Education & Training	11252	-1407	-191	-1216	-12.5%
Health Care & Social Assistance	12894	1015	0	1015	7.9%
Arts & Recreation Services	2582	-1701	-1028	-673	-65.9%
Other Services	3997	-1420	-770	-651	-35.5%
<b>TOTAL</b>	<b>102039</b>	<b>-15789</b>	<b>-5960</b>	<b>-9830</b>	<b>-15.5%</b>

	<b>2019 4 quarter average (no. of jobs)</b>	<b>COVID-19 impact, absolute quarter change (no. of jobs)</b>	<b>Job Keeper component (no. of jobs)</b>	<b>Not on Job Keeper (no. of jobs)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	402	-25	-7	-18	-6.1%
Mining	202	-52	-17	-35	-25.7%
Manufacturing	12089	-1180	-93	-1087	-9.8%
Electricity, Gas, Water & Waste Services	989	-87	-2	-85	-8.8%
Construction	12899	-752	0	-752	-5.8%
Wholesale Trade	3338	-261	-22	-238	-7.8%
Retail Trade	11911	-1488	-495	-993	-12.5%
Accommodation & Food Services	6958	-3195	-1644	-1551	-45.9%
Transport, Postal & Warehousing	10731	-1975	-679	-1296	-18.4%
Information Media & Telecoms	1470	-48	-30	-18	-3.3%
Financial & Insurance Services	3608	-197	-58	-140	-5.5%
Rental, Hiring & Real Estate Services	585	-90	-3	-86	-15.3%
Prof, Scientific & Technical Services	5271	-1873	-824	-1049	-35.5%
Administrative & Support Services	3773	-1231	-386	-845	-32.6%
Public Administration & Safety	6414	-166	-8	-158	-2.6%
Education & Training	6874	-886	-141	-745	-12.9%
Health Care & Social Assistance	11361	1222	0	1222	10.8%
Arts & Recreation Services	1334	-850	-524	-326	-63.7%
Other Services	4550	-1320	-620	-700	-29.0%
<b>TOTAL</b>	<b>104759</b>	<b>-14453</b>	<b>-5551</b>	<b>-8901</b>	<b>-13.8%</b>

	<b>2019 4 quarter average (no. of jobs)</b>	<b>COVID-19 impact, absolute quarter change (no. of jobs)</b>	<b>Job Keeper component (no. of jobs)</b>	<b>Not on Job Keeper (no. of jobs)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	201	-7	-1	-7	-3.7%
Mining	146	-20	-8	-12	-13.8%
Manufacturing	2665	-272	-32	-241	-10.2%
Electricity, Gas, Water & Waste Services	383	-29	-1	-28	-7.6%
Construction	5452	-284	0	-284	-5.2%
Wholesale Trade	1247	-153	-23	-130	-12.3%
Retail Trade	3796	-781	-416	-365	-20.6%
Accommodation & Food Services	1589	-849	-433	-415	-53.4%
Transport, Postal & Warehousing	1457	-275	-113	-162	-18.9%
Information Media & Telecoms	767	-21	-16	-5	-2.8%
Financial & Insurance Services	1434	-50	-1	-49	-3.5%
Rental, Hiring & Real Estate Services	574	-33	-4	-28	-5.7%
Prof, Scientific & Technical Services	3572	-847	-186	-660	-23.7%
Administrative & Support Services	1170	-248	-51	-196	-21.2%
Public Administration & Safety	2121	-74	-2	-72	-3.5%
Education & Training	4477	-554	-94	-461	-12.4%
Health Care & Social Assistance	5194	577	0	577	11.1%
Arts & Recreation Services	931	-683	-419	-264	-73.4%
Other Services	1596	-536	-279	-257	-33.6%
<b>TOTAL</b>	<b>38773</b>	<b>-5141</b>	<b>-2081</b>	<b>-3060</b>	<b>-13.3%</b>

	<b>2019 4 quarter average (no. of jobs)</b>	<b>COVID-19 impact, absolute quarter change (no. of jobs)</b>	<b>Job Keeper component (no. of jobs)</b>	<b>Not on Job Keeper (no. of jobs)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	526	-16	-1	-15	-3.1%
Mining	164	-34	-12	-22	-20.5%
Manufacturing	13628	-1193	-94	-1098	-8.8%
Electricity, Gas, Water & Waste Services	1502	-117	-8	-110	-7.8%
Construction	13702	-798	0	-798	-5.8%
Wholesale Trade	4022	-332	-36	-295	-8.2%
Retail Trade	13929	-2388	-1240	-1148	-17.1%
Accommodation & Food Services	5429	-3065	-1571	-1494	-56.5%
Transport, Postal & Warehousing	8947	-1281	-356	-925	-14.3%
Information Media & Telecoms	1985	-8	-37	29	-0.4%
Financial & Insurance Services	4465	-169	-12	-158	-3.8%
Rental, Hiring & Real Estate Services	1550	-66	-4	-63	-4.3%
Prof, Scientific & Technical Services	5998	-1612	-462	-1150	-26.9%
Administrative & Support Services	4152	-1088	-268	-820	-26.2%
Public Administration & Safety	5535	-197	-9	-188	-3.6%
Education & Training	7186	-1095	-252	-844	-15.2%
Health Care & Social Assistance	13733	1496	0	1496	10.9%
Arts & Recreation Services	1691	-1001	-617	-384	-59.2%
Other Services	5126	-1542	-782	-760	-30.1%
<b>TOTAL</b>	<b>113270</b>	<b>-14508</b>	<b>-5760</b>	<b>-8748</b>	<b>-12.8%</b>

	<b>2019 4 quarter average (no. of jobs)</b>	<b>COVID-19 impact, absolute quarter change (no. of jobs)</b>	<b>Job Keeper component (no. of jobs)</b>	<b>Not on Job Keeper (no. of jobs)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	699	-9	0	-9	-1.3%
Mining	141	-11	-1	-11	-8.1%
Manufacturing	2147	-225	-22	-203	-10.5%
Electricity, Gas, Water & Waste Services	303	-20	0	-20	-6.7%
Construction	4010	-189	0	-189	-4.7%
Wholesale Trade	606	-54	-10	-44	-8.9%
Retail Trade	1996	-232	-82	-149	-11.6%
Accommodation & Food Services	1122	-637	-330	-307	-56.7%
Transport, Postal & Warehousing	1639	-214	-62	-153	-13.1%
Information Media & Telecoms	151	6	-2	8	4.2%
Financial & Insurance Services	386	-13	-1	-13	-3.5%
Rental, Hiring & Real Estate Services	248	-16	-2	-14	-6.6%
Prof, Scientific & Technical Services	824	-333	-160	-173	-40.4%
Administrative & Support Services	562	-159	-43	-116	-28.3%
Public Administration & Safety	1822	-50	-3	-47	-2.7%
Education & Training	1365	-249	-83	-166	-18.3%
Health Care & Social Assistance	2098	328	0	328	15.6%
Arts & Recreation Services	349	-227	-140	-88	-65.2%
Other Services	885	-249	-115	-134	-28.1%
<b>TOTAL</b>	<b>21352</b>	<b>-2555</b>	<b>-1056</b>	<b>-1500</b>	<b>-12.0%</b>

<b>Table 11 Usual resident (UR) employment – 7 LGAs combined</b>					
	<b>2019 4 quarter average (no. of jobs)</b>	<b>COVID-19 impact, absolute quarter change (no. of jobs)</b>	<b>Job Keeper component (no. of jobs)</b>	<b>Not on Job Keeper (no. of jobs)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	2358	-94	-23	-71	-4.0%
Mining	1152	-195	-59	-136	-16.9%
Manufacturing	47452	-4494	-393	-4101	-9.5%
Electricity, Gas, Water & Waste Services	5611	-460	-27	-432	-8.2%
Construction	54175	-3466	0	-3466	-6.4%
Wholesale Trade	17046	-1547	-172	-1375	-9.1%
Retail Trade	56627	-10216	-4794	-5422	-18.0%
Accommodation & Food Services	32530	-16653	-8579	-8074	-51.2%
Transport, Postal & Warehousing	33924	-5948	-1985	-3963	-17.5%
Information Media & Telecoms	11597	-499	-187	-312	-4.3%
Financial & Insurance Services	22262	-864	-86	-778	-3.9%
Rental, Hiring & Real Estate Services	6327	-375	-30	-345	-5.9%
Prof, Scientific & Technical Services	43919	-11258	-2963	-8296	-25.6%
Administrative & Support Services	19274	-4997	-1255	-3742	-25.9%
Public Administration & Safety	34154	-1019	-40	-979	-3.0%
Education & Training	48934	-6540	-1092	-5448	-13.4%
Health Care & Social Assistance	68353	6783	0	6783	9.9%
Arts & Recreation Services	10731	-6960	-4247	-2713	-64.9%
Other Services	22182	-7252	-3723	-3528	-32.7%
<b>TOTAL</b>	<b>538611</b>	<b>-76055</b>	<b>-29657</b>	<b>-46398</b>	<b>-14.1%</b>
Melbourne	2614623	-385396	-145672	-239723	-14.7%
Victoria	3351548	-476890	-188731	-288158	-14.2%
Australia	12726336	-1757046	-702742	-1054304	-13.8%

## 4. Journey to work (JTW) employment

**Table 12 Journey to work (JTW) employment – Total – All 7 LGAs combined**

	2019 4 quarter average (no. of jobs)	COVID-19 impact, absolute quarter change (no. of jobs)	COVID-19 impact, absolute quarter % change	Job Keeper component (no. of jobs)	Not on Job Keeper (no. of jobs)	% Job Keeper component	% Not on Job Keeper
Banyule (C)	49071	-5203	-10.6%	-3003	-2201	57.7%	42.3%
Darebin (C)	58759	-9585	-16.3%	-3903	-5682	40.7%	59.3%
Moreland (C)	46840	-5749	-12.3%	-2443	-3305	42.5%	57.5%
Hume (C)	121887	-20453	-16.8%	-8284	-12169	40.5%	59.5%
Nilumbik (S)	15801	-2113	-13.4%	-1003	-1110	47.5%	52.5%
Whittlesea (C)	71596	-8322	-11.6%	-3422	-4900	41.1%	58.9%
Mitchell (S)	12405	-1415	-11.4%	-727	-688	51.4%	48.6%
<b>7 LGAs combined</b>	<b>376359</b>	<b>-52840</b>	<b>-14.0%</b>	<b>-22784</b>	<b>-30055</b>	<b>43.1%</b>	<b>56.9%</b>
Melbourne	2656664	-390352	-14.7%	-147049	-243303	37.7%	62.3%
Victoria	3326812	-476020	-14.3%	-188311	-287709	39.6%	60.4%
Australia	12726336	-1757046	-13.8%	-702742	-1054304	40.0%	60.0%

**Table 13 Journey to work (JTW) employment – Banyule**

	2019 4 quarter average (no. of jobs)	COVID-19 impact, absolute quarter change (no. of jobs)	Job Keeper component (no. of jobs)	Not on Job Keeper (no. of jobs)	% Change
Agriculture, Forestry & Fishing	73	-11	-6	-5	-15.5%
Mining	38	-4	-1	-4	-11.2%
Manufacturing	2749	-278	-33	-245	-10.1%
Electricity, Gas, Water & Waste Services	98	-21	-5	-15	-21.0%
Construction	3995	-279	0	-279	-7.0%
Wholesale Trade	1207	-107	-14	-93	-8.9%
Retail Trade	4758	-1179	-1200	21	-24.8%
Accommodation & Food Services	2479	-1249	-630	-619	-50.4%
Transport, Postal & Warehousing	983	-193	-61	-132	-19.6%
Information Media & Telecoms	329	-10	-16	6	-3.0%
Financial & Insurance Services	606	-41	0	-41	-6.7%
Rental, Hiring & Real Estate Services	504	-35	-9	-26	-7.0%
Prof, Scientific & Technical Services	2944	-830	-172	-658	-28.2%
Administrative & Support Services	1388	-331	-60	-271	-23.8%
Public Administration & Safety	2598	-106	0	-106	-4.1%
Education & Training	5331	-637	-80	-557	-11.9%
Health Care & Social Assistance	16129	1378	0	1378	8.5%
Arts & Recreation Services	833	-599	-373	-226	-71.9%
Other Services	2028	-673	-344	-329	-33.2%
<b>TOTAL</b>	<b>49071</b>	<b>-5203</b>	<b>-3003</b>	<b>-2201</b>	<b>-10.6%</b>

**Table 14 Journey to work (JTW) employment – Darebin**

	2019 4 quarter average (no. of jobs)	COVID-19 impact, absolute quarter change (no. of jobs)	Job Keeper component (no. of jobs)	Not on Job Keeper (no. of jobs)	% Change
Agriculture, Forestry & Fishing	134	-9	-4	-5	-6.6%
Mining	173	-51	-27	-24	-29.5%
Manufacturing	5660	-601	-46	-555	-10.6%
Electricity, Gas, Water & Waste Services	254	-52	-8	-44	-20.5%
Construction	4563	-373	0	-373	-8.2%
Wholesale Trade	2862	-372	-58	-315	-13.0%
Retail Trade	8365	-1971	-1070	-901	-23.6%
Accommodation & Food Services	3784	-1926	-979	-947	-50.9%
Transport, Postal & Warehousing	2209	-478	-122	-356	-21.6%
Information Media & Telecoms	663	-70	-25	-45	-10.6%
Financial & Insurance Services	1011	-107	-9	-98	-10.6%
Rental, Hiring & Real Estate Services	761	-68	-4	-64	-8.9%
Prof, Scientific & Technical Services	3185	-1155	-363	-792	-36.2%
Administrative & Support Services	1763	-512	-117	-394	-29.0%
Public Administration & Safety	3277	-134	-1	-133	-4.1%
Education & Training	8535	-1208	-146	-1062	-14.2%
Health Care & Social Assistance	7555	1210	0	1210	16.0%
Arts & Recreation Services	1038	-723	-443	-280	-69.6%
Other Services	2967	-987	-482	-504	-33.2%
<b>TOTAL</b>	<b>58759</b>	<b>-9585</b>	<b>-3903</b>	<b>-5682</b>	<b>-16.3%</b>

**Table 15 Journey to work (JTW) employment – Moreland**

	2019 4 quarter average (no. of jobs)	COVID-19 impact, absolute quarter change (no. of jobs)	Job Keeper component (no. of jobs)	Not on Job Keeper (no. of jobs)	% Change
Agriculture, Forestry & Fishing	49	-2	0	-2	-4.2%
Mining	8	-3	-1	-2	-35.9%
Manufacturing	4296	-285	-19	-265	-6.6%
Electricity, Gas, Water & Waste Services	223	-25	-5	-20	-11.3%
Construction	4612	-291	0	-291	-6.3%
Wholesale Trade	1934	-81	-2	-79	-4.2%
Retail Trade	5056	-703	-320	-383	-13.9%
Accommodation & Food Services	3359	-1704	-863	-840	-50.7%
Transport, Postal & Warehousing	1869	-431	-95	-336	-23.0%
Information Media & Telecoms	510	-33	-22	-11	-6.5%
Financial & Insurance Services	510	-37	0	-37	-7.2%
Rental, Hiring & Real Estate Services	506	-14	0	-14	-2.9%
Prof, Scientific & Technical Services	2722	-491	-73	-418	-18.0%
Administrative & Support Services	1199	-266	-44	-223	-22.2%
Public Administration & Safety	2469	-65	-2	-63	-2.6%
Education & Training	5006	-435	-28	-407	-8.7%
Health Care & Social Assistance	8396	748	0	748	8.9%
Arts & Recreation Services	1096	-751	-465	-286	-68.5%
Other Services	3019	-881	-504	-377	-29.2%
<b>TOTAL</b>	<b>46840</b>	<b>-5749</b>	<b>-2443</b>	<b>-3305</b>	<b>-12.3%</b>



	<b>2019 4 quarter average (no. of jobs)</b>	<b>COVID-19 impact, absolute quarter change (no. of jobs)</b>	<b>Job Keeper component (no. of jobs)</b>	<b>Not on Job Keeper (no. of jobs)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	645	-32	-8	-25	-5.0%
Mining	133	-45	-15	-30	-34.2%
Manufacturing	23915	-2527	-216	-2311	-10.6%
Electricity, Gas, Water & Waste Services	1631	-145	0	-145	-8.9%
Construction	15676	-898	0	-898	-5.7%
Wholesale Trade	4488	-281	-18	-263	-6.3%
Retail Trade	10308	-683	0	-683	-6.6%
Accommodation & Food Services	5983	-3066	-1566	-1500	-51.2%
Transport, Postal & Warehousing	23747	-6480	-3124	-3356	-27.3%
Information Media & Telecoms	822	-65	-34	-32	-7.9%
Financial & Insurance Services	1042	-150	-81	-69	-14.4%
Rental, Hiring & Real Estate Services	1182	-111	0	-111	-9.4%
Prof, Scientific & Technical Services	2889	-2096	-1294	-802	-72.5%
Administrative & Support Services	4326	-1843	-845	-998	-42.6%
Public Administration & Safety	6512	-264	-22	-242	-4.1%
Education & Training	7056	-940	-148	-792	-13.3%
Health Care & Social Assistance	6537	1061	0	1061	16.2%
Arts & Recreation Services	889	-641	-399	-242	-72.1%
Other Services	4106	-1247	-515	-732	-30.4%
<b>TOTAL</b>	<b>121887</b>	<b>-20453</b>	<b>-8284</b>	<b>-12169</b>	<b>-16.8%</b>

	<b>2019 4 quarter average (no. of jobs)</b>	<b>COVID-19 impact, absolute quarter change (no. of jobs)</b>	<b>Job Keeper component (no. of jobs)</b>	<b>Not on Job Keeper (no. of jobs)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	175	-7	-1	-6	-3.9%
Mining	6	-3	-2	-1	-47.4%
Manufacturing	479	-57	-15	-41	-11.8%
Electricity, Gas, Water & Waste Services	69	-5	-1	-4	-7.7%
Construction	2532	-69	0	-69	-2.7%
Wholesale Trade	218	-37	-15	-23	-17.0%
Retail Trade	1813	-127	-56	-71	-7.0%
Accommodation & Food Services	1270	-640	-323	-317	-50.4%
Transport, Postal & Warehousing	366	-36	-4	-31	-9.7%
Information Media & Telecoms	119	-7	-13	5	-6.2%
Financial & Insurance Services	217	-7	0	-7	-3.4%
Rental, Hiring & Real Estate Services	214	-12	0	-12	-5.4%
Prof, Scientific & Technical Services	1228	-297	-60	-237	-24.2%
Administrative & Support Services	511	-102	-15	-87	-20.0%
Public Administration & Safety	663	-35	0	-35	-5.2%
Education & Training	2315	-198	-24	-174	-8.5%
Health Care & Social Assistance	2005	324	0	324	16.2%
Arts & Recreation Services	686	-486	-302	-185	-70.9%
Other Services	915	-312	-174	-138	-34.1%
<b>TOTAL</b>	<b>15801</b>	<b>-2113</b>	<b>-1003</b>	<b>-1110</b>	<b>-13.4%</b>

	<b>2019 4 quarter average (no. of jobs)</b>	<b>COVID-19 impact, absolute quarter change (no. of jobs)</b>	<b>Job Keeper component (no. of jobs)</b>	<b>Not on Job Keeper (no. of jobs)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	802	-17	-1	-16	-2.2%
Mining	140	-30	-9	-20	-21.2%
Manufacturing	8896	-689	-23	-666	-7.7%
Electricity, Gas, Water & Waste Services	762	-36	0	-36	-4.7%
Construction	9108	-473	0	-473	-5.2%
Wholesale Trade	3139	-154	-24	-131	-4.9%
Retail Trade	11878	-1786	-883	-902	-15.0%
Accommodation & Food Services	3499	-1758	-885	-874	-50.2%
Transport, Postal & Warehousing	3526	-334	-19	-315	-9.5%
Information Media & Telecoms	430	5	-32	37	1.3%
Financial & Insurance Services	955	-74	-8	-66	-7.8%
Rental, Hiring & Real Estate Services	662	-24	-4	-20	-3.7%
Prof, Scientific & Technical Services	2124	-795	-297	-497	-37.4%
Administrative & Support Services	2079	-524	-101	-422	-25.2%
Public Administration & Safety	2343	-123	-21	-103	-5.3%
Education & Training	7156	-1092	-319	-773	-15.3%
Health Care & Social Assistance	10398	1000	0	1000	9.6%
Arts & Recreation Services	988	-701	-433	-268	-71.0%
Other Services	2710	-716	-363	-354	-26.4%
<b>TOTAL</b>	<b>71596</b>	<b>-8322</b>	<b>-3422</b>	<b>-4900</b>	<b>-11.6%</b>

	<b>2019 4 quarter average (no. of jobs)</b>	<b>COVID-19 impact, absolute quarter change (no. of jobs)</b>	<b>Job Keeper component (no. of jobs)</b>	<b>Not on Job Keeper (no. of jobs)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	608	-9	0	-9	-1.6%
Mining	55	-6	-2	-3	-10.6%
Manufacturing	603	-59	-7	-52	-9.8%
Electricity, Gas, Water & Waste Services	78	-6	0	-6	-7.1%
Construction	1825	-106	0	-106	-5.8%
Wholesale Trade	210	-9	-7	-3	-4.4%
Retail Trade	1377	-64	-16	-48	-4.6%
Accommodation & Food Services	1073	-559	-289	-270	-52.1%
Transport, Postal & Warehousing	527	-15	-1	-14	-2.8%
Information Media & Telecoms	45	8	-1	9	17.6%
Financial & Insurance Services	128	-5	-1	-5	-4.1%
Rental, Hiring & Real Estate Services	96	-7	-1	-6	-7.3%
Prof, Scientific & Technical Services	356	-221	-130	-90	-61.9%
Administrative & Support Services	310	-69	-13	-56	-22.3%
Public Administration & Safety	1630	-36	0	-36	-2.2%
Education & Training	1334	-241	-92	-148	-18.0%
Health Care & Social Assistance	1493	281	0	281	18.8%
Arts & Recreation Services	218	-154	-95	-59	-70.8%
Other Services	437	-137	-71	-66	-31.5%
<b>TOTAL</b>	<b>12405</b>	<b>-1415</b>	<b>-727</b>	<b>-688</b>	<b>-11.4%</b>

**Table 20 Journey to work (JTW) employment – 7 LGAs combined**

	2019 4 quarter average (no. of jobs)	COVID-19 impact, absolute quarter change (no. of jobs)	Job Keeper component (no. of jobs)	Not on Job Keeper (no. of jobs)	% Change
Agriculture, Forestry & Fishing	2486	-88	-19	-69	-3.6%
Mining	553	-142	-57	-85	-25.7%
Manufacturing	46600	-4495	-359	-4136	-9.6%
Electricity, Gas, Water & Waste Services	3116	-290	-20	-270	-9.3%
Construction	42310	-2490	0	-2490	-5.9%
Wholesale Trade	14057	-1042	-136	-906	-7.4%
Retail Trade	43555	-6514	-3546	-2968	-15.0%
Accommodation & Food Services	21447	-10902	-5535	-5367	-50.8%
Transport, Postal & Warehousing	33227	-7964	-3425	-4540	-24.0%
Information Media & Telecoms	2920	-172	-141	-31	-5.9%
Financial & Insurance Services	4469	-420	-98	-322	-9.4%
Rental, Hiring & Real Estate Services	3927	-272	-18	-253	-6.9%
Prof, Scientific & Technical Services	15448	-5883	-2390	-3493	-38.1%
Administrative & Support Services	11576	-3647	-1196	-2451	-31.5%
Public Administration & Safety	19492	-763	-46	-717	-3.9%
Education & Training	36734	-4750	-837	-3914	-12.9%
Health Care & Social Assistance	52512	6002	0	6002	11.4%
Arts & Recreation Services	5746	-4054	-2509	-1546	-70.5%
Other Services	16182	-4953	-2453	-2500	-30.6%
<b>TOTAL</b>	<b>376359</b>	<b>-52840</b>	<b>-22784</b>	<b>-30055</b>	<b>-14.0%</b>
Melbourne	2656664	-390352	-147049	-243303	-14.7%
Victoria	3326812	-476020	-188311	-287709	-14.3%
Australia	12726336	-1757046	-702742	-1054304	-13.8%

## 5. Sales

**Table 21 Sales totals – All 7 LGAs combined**

	2019 4 quarter average (\$ million)	COVID-19 impact, absolute quarter change (\$ million)	COVID-19 impact, absolute quarter % change
Banyule (C)	2414	-281	-11.7%
Darebin (C)	3096	-543	-17.5%
Moreland (C)	2517	-304	-12.1%
Hume (C)	7767	-1786	-23.0%
Nillumbik (S)	688	-98	-14.2%
Whittlesea (C)	3886	-427	-11.0%
Mitchell (S)	678	-69	-10.1%
<b>7 LGAs combined</b>	<b>21045</b>	<b>-3508</b>	<b>-16.7%</b>
Melbourne	173571	-24897	-14.3%
Victoria	210025	-29311	-14.0%
Australia	856581	-114120	-13.3%

**Table 22 Sales – Banyule**

	2019 4 quarter average (\$ million)	COVID-19 impact, absolute quarter change (\$ million)	% Change
Agriculture, Forestry & Fishing	5	-1	-12.7%
Mining	1	0	-21.5%
Manufacturing	202	-21	-10.3%
Electricity, Gas, Water & Waste Services	16	-5	-34.1%
Construction	360	-36	-10.0%
Wholesale Trade	99	-11	-11.6%
Retail Trade	111	-41	-37.3%
Accommodation & Food Services	60	-38	-63.2%
Transport, Postal & Warehousing	55	-18	-32.2%
Information Media & Telecoms	36	6	15.8%
Financial & Insurance Services	77	-6	-7.4%
Rental, Hiring & Real Estate Services	230	-14	-6.3%
Prof, Scientific & Technical Services	155	-55	-35.2%
Administrative & Support Services	78	-25	-32.4%
Public Administration & Safety	121	-3	-2.3%
Education & Training	129	-20	-15.7%
Health Care & Social Assistance	586	58	10.0%
Arts & Recreation Services	33	-30	-89.9%
Other Services	60	-21	-35.9%
<b>TOTAL</b>	<b>2414</b>	<b>-281</b>	<b>-11.7%</b>

<b>Table 23 Sales – Darebin</b>			
	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	10	-1	-5.7%
Mining	11	-2	-21.2%
Manufacturing	434	-50	-11.5%
Electricity, Gas, Water & Waste Services	49	-13	-25.6%
Construction	401	-43	-10.8%
Wholesale Trade	232	-39	-17.0%
Retail Trade	199	-66	-33.4%
Accommodation & Food Services	103	-65	-63.7%
Transport, Postal & Warehousing	122	-34	-28.2%
Information Media & Telecoms	65	-1	-1.5%
Financial & Insurance Services	139	-16	-11.7%
Rental, Hiring & Real Estate Services	295	-28	-9.4%
Prof, Scientific & Technical Services	167	-75	-45.0%
Administrative & Support Services	95	-37	-38.8%
Public Administration & Safety	144	-4	-2.8%
Education & Training	288	-52	-17.9%
Health Care & Social Assistance	219	47	21.6%
Arts & Recreation Services	37	-32	-85.0%
Other Services	86	-32	-37.4%
<b>TOTAL</b>	<b>3096</b>	<b>-543</b>	<b>-17.5%</b>

<b>Table 24 Sales – Moreland</b>			
	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	4	0	-3.7%
Mining	2	-1	-43.9%
Manufacturing	339	-22	-6.5%
Electricity, Gas, Water & Waste Services	29	-5	-17.7%
Construction	539	-48	-8.9%
Wholesale Trade	148	-9	-6.1%
Retail Trade	120	-24	-19.8%
Accommodation & Food Services	95	-60	-63.4%
Transport, Postal & Warehousing	98	-28	-28.4%
Information Media & Telecoms	52	5	8.8%
Financial & Insurance Services	63	-5	-8.6%
Rental, Hiring & Real Estate Services	223	-8	-3.6%
Prof, Scientific & Technical Services	141	-32	-22.6%
Administrative & Support Services	66	-23	-34.2%
Public Administration & Safety	104	1	0.7%
Education & Training	119	-15	-12.8%
Health Care & Social Assistance	248	30	11.9%
Arts & Recreation Services	38	-32	-83.1%
Other Services	87	-28	-31.6%
<b>TOTAL</b>	<b>2517</b>	<b>-304</b>	<b>-12.1%</b>

	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	42	-2	-4.4%
Mining	8	-3	-33.6%
Manufacturing	1893	-225	-11.9%
Electricity, Gas, Water & Waste Services	253	-28	-11.1%
Construction	1152	-99	-8.6%
Wholesale Trade	346	-27	-7.8%
Retail Trade	231	-20	-8.7%
Accommodation & Food Services	152	-98	-64.2%
Transport, Postal & Warehousing	1954	-864	-44.2%
Information Media & Telecoms	109	-2	-1.6%
Financial & Insurance Services	131	-18	-13.7%
Rental, Hiring & Real Estate Services	313	-38	-12.2%
Prof, Scientific & Technical Services	135	-121	-89.8%
Administrative & Support Services	246	-155	-63.2%
Public Administration & Safety	296	-13	-4.3%
Education & Training	165	-28	-16.9%
Health Care & Social Assistance	171	38	22.3%
Arts & Recreation Services	49	-45	-90.1%
Other Services	121	-40	-33.0%
<b>TOTAL</b>	<b>7767</b>	<b>-1786</b>	<b>-23.0%</b>

	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	12	0	-3.9%
Mining	1	0	-22.9%
Manufacturing	35	-4	-12.2%
Electricity, Gas, Water & Waste Services	12	-2	-12.1%
Construction	129	-8	-6.3%
Wholesale Trade	16	-4	-22.5%
Retail Trade	36	-5	-13.4%
Accommodation & Food Services	27	-17	-63.3%
Transport, Postal & Warehousing	24	-4	-15.9%
Information Media & Telecoms	10	3	29.3%
Financial & Insurance Services	27	-1	-3.6%
Rental, Hiring & Real Estate Services	88	-4	-5.0%
Prof, Scientific & Technical Services	62	-19	-29.8%
Administrative & Support Services	28	-8	-27.0%
Public Administration & Safety	27	0	-0.2%
Education & Training	51	-7	-13.0%
Health Care & Social Assistance	52	13	24.9%
Arts & Recreation Services	25	-22	-87.8%
Other Services	26	-9	-36.9%
<b>TOTAL</b>	<b>688</b>	<b>-98</b>	<b>-14.2%</b>

<b>Table 27 Sales – Whittlesea</b>			
	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	57	-1	-2.2%
Mining	9	-3	-28.8%
Manufacturing	709	-59	-8.4%
Electricity, Gas, Water & Waste Services	154	-9	-5.8%
Construction	888	-73	-8.2%
Wholesale Trade	237	-16	-6.8%
Retail Trade	250	-55	-21.9%
Accommodation & Food Services	81	-51	-62.9%
Transport, Postal & Warehousing	192	-26	-13.5%
Information Media & Telecoms	40	12	29.4%
Financial & Insurance Services	112	-9	-8.0%
Rental, Hiring & Real Estate Services	252	-5	-2.0%
Prof, Scientific & Technical Services	99	-45	-46.1%
Administrative & Support Services	93	-33	-35.0%
Public Administration & Safety	91	-1	-0.8%
Education & Training	184	-32	-17.5%
Health Care & Social Assistance	318	36	11.4%
Arts & Recreation Services	42	-37	-88.1%
Other Services	77	-20	-26.1%
<b>TOTAL</b>	<b>3886</b>	<b>-427</b>	<b>-11.0%</b>

<b>Table 28 Sales – Mitchell</b>			
	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	39	-1	-1.8%
Mining	4	0	-8.1%
Manufacturing	55	-4	-8.0%
Electricity, Gas, Water & Waste Services	11	-1	-10.4%
Construction	232	-20	-8.7%
Wholesale Trade	14	-1	-4.2%
Retail Trade	32	-2	-7.0%
Accommodation & Food Services	20	-13	-65.7%
Transport, Postal & Warehousing	27	-2	-6.9%
Information Media & Telecoms	3	2	67.4%
Financial & Insurance Services	15	-1	-5.1%
Rental, Hiring & Real Estate Services	31	-2	-6.3%
Prof, Scientific & Technical Services	15	-11	-76.1%
Administrative & Support Services	13	-5	-35.9%
Public Administration & Safety	82	0	-0.5%
Education & Training	29	-6	-20.5%
Health Care & Social Assistance	38	9	24.4%
Arts & Recreation Services	8	-7	-87.6%
Other Services	11	-4	-31.5%
<b>TOTAL</b>	<b>678</b>	<b>-69</b>	<b>-10.1%</b>



<b>Table 29 Sales – All 7 LGAs combined</b>			
	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	169	-6	-3.4%
Mining	36	-9	-25.8%
Manufacturing	3667	-386	-10.5%
Electricity, Gas, Water & Waste Services	525	-63	-11.9%
Construction	3701	-327	-8.8%
Wholesale Trade	1092	-107	-9.8%
Retail Trade	979	-214	-21.8%
Accommodation & Food Services	537	-342	-63.7%
Transport, Postal & Warehousing	2472	-975	-39.4%
Information Media & Telecoms	314	24	7.7%
Financial & Insurance Services	564	-56	-9.9%
Rental, Hiring & Real Estate Services	1432	-100	-7.0%
Prof, Scientific & Technical Services	773	-358	-46.2%
Administrative & Support Services	619	-285	-46.0%
Public Administration & Safety	866	-20	-2.3%
Education & Training	966	-160	-16.5%
Health Care & Social Assistance	1633	232	14.2%
Arts & Recreation Services	233	-204	-87.4%
Other Services	468	-154	-33.0%
<b>TOTAL</b>	<b>21045</b>	<b>-3508</b>	<b>-16.7%</b>

## 6. Value added

**Table 30 Value added totals – All 7 LGAs combined**

	2019 4 quarter average (\$ million)	COVID-19 impact, absolute quarter change (\$ million)	COVID-19 impact, absolute quarter % change
Banyule (C)	1144	-121	-10.6%
Darebin (C)	1425	-247	-17.4%
Moreland (C)	1101	-130	-11.8%
Hume (C)	3129	-689	-22.0%
Nilfumbik (S)	312	-42	-13.3%
Whittlesea (C)	1646	-184	-11.2%
Mitchell (S)	284	-27	-9.4%
<b>7 LGAs combined</b>	<b>9041</b>	<b>-1439</b>	<b>-15.9%</b>
Melbourne	77134	-11040	-14.3%
Victoria	93405	-12928	-13.8%
Australia	392740	-52445	-13.4%

**Table 31 Value added – Banyule**

	2019 4 quarter average (\$ million)	COVID-19 impact, absolute quarter change (\$ million)	% Change
Agriculture, Forestry & Fishing	2	0	-12.8%
Mining	1	0	-18.4%
Manufacturing	63	-7	-10.8%
Electricity, Gas, Water & Waste Services	5	-2	-35.8%
Construction	105	-10	-9.3%
Wholesale Trade	48	-6	-12.0%
Retail Trade	66	-26	-39.5%
Accommodation & Food Services	24	-15	-63.1%
Transport, Postal & Warehousing	24	-8	-34.4%
Information Media & Telecoms	15	2	10.5%
Financial & Insurance Services	48	-5	-10.9%
Rental, Hiring & Real Estate Services	38	-2	-5.9%
Prof, Scientific & Technical Services	77	-27	-35.1%
Administrative & Support Services	44	-14	-32.7%
Public Administration & Safety	68	-1	-2.0%
Education & Training	92	-14	-14.8%
Health Care & Social Assistance	380	39	10.4%
Arts & Recreation Services	11	-10	-89.8%
Other Services	32	-14	-43.5%
<b>TOTAL</b>	<b>1144</b>	<b>-121</b>	<b>-10.6%</b>

<b>Table 32 Value added – Darebin</b>			
	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	4	0	-5.4%
Mining	6	-1	-25.2%
Manufacturing	139	-16	-11.6%
Electricity, Gas, Water & Waste Services	19	-5	-26.5%
Construction	117	-12	-10.3%
Wholesale Trade	110	-19	-17.1%
Retail Trade	120	-41	-34.3%
Accommodation & Food Services	42	-27	-63.6%
Transport, Postal & Warehousing	55	-16	-29.2%
Information Media & Telecoms	29	-1	-5.0%
Financial & Insurance Services	97	-12	-12.4%
Rental, Hiring & Real Estate Services	47	-4	-9.0%
Prof, Scientific & Technical Services	84	-37	-44.4%
Administrative & Support Services	54	-21	-39.1%
Public Administration & Safety	93	-2	-2.6%
Education & Training	190	-33	-17.5%
Health Care & Social Assistance	160	33	20.8%
Arts & Recreation Services	13	-11	-84.2%
Other Services	46	-20	-44.7%
<b>TOTAL</b>	<b>1425</b>	<b>-247</b>	<b>-17.4%</b>

<b>Table 33 Value added – Moreland</b>			
	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	2	0	-3.7%
Mining	2	-1	-43.5%
Manufacturing	108	-7	-6.6%
Electricity, Gas, Water & Waste Services	10	-2	-19.5%
Construction	156	-12	-8.0%
Wholesale Trade	71	-4	-6.1%
Retail Trade	71	-15	-20.5%
Accommodation & Food Services	38	-24	-63.3%
Transport, Postal & Warehousing	44	-13	-28.6%
Information Media & Telecoms	23	1	4.1%
Financial & Insurance Services	39	-4	-9.5%
Rental, Hiring & Real Estate Services	36	-1	-3.6%
Prof, Scientific & Technical Services	71	-16	-22.6%
Administrative & Support Services	37	-13	-35.0%
Public Administration & Safety	67	1	1.0%
Education & Training	84	-10	-12.3%
Health Care & Social Assistance	180	21	11.8%
Arts & Recreation Services	14	-11	-82.0%
Other Services	47	-19	-40.4%
<b>TOTAL</b>	<b>1101</b>	<b>-130</b>	<b>-11.8%</b>

<b>Table 34 Value added – Hume</b>			
	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	19	-1	-4.6%
Mining	5	-2	-32.2%
Manufacturing	590	-69	-11.7%
Electricity, Gas, Water & Waste Services	96	-9	-9.8%
Construction	345	-27	-7.9%
Wholesale Trade	168	-14	-8.1%
Retail Trade	138	-13	-9.1%
Accommodation & Food Services	62	-40	-64.2%
Transport, Postal & Warehousing	814	-311	-38.2%
Information Media & Telecoms	43	-1	-2.6%
Financial & Insurance Services	89	-10	-10.7%
Rental, Hiring & Real Estate Services	45	-6	-12.4%
Prof, Scientific & Technical Services	68	-60	-88.9%
Administrative & Support Services	139	-90	-64.6%
Public Administration & Safety	191	-8	-4.0%
Education & Training	118	-19	-15.9%
Health Care & Social Assistance	124	27	21.4%
Arts & Recreation Services	16	-14	-90.1%
Other Services	60	-23	-39.1%
<b>TOTAL</b>	<b>3129</b>	<b>-689</b>	<b>-22.0%</b>

<b>Table 35 Value added – Nillumbik</b>			
	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	5	0	-3.8%
Mining	0	0	-31.5%
Manufacturing	11	-1	-12.6%
Electricity, Gas, Water & Waste Services	6	-1	-8.9%
Construction	38	-2	-5.3%
Wholesale Trade	9	-2	-20.8%
Retail Trade	22	-3	-13.9%
Accommodation & Food Services	11	-7	-63.3%
Transport, Postal & Warehousing	11	-2	-16.0%
Information Media & Telecoms	5	1	19.1%
Financial & Insurance Services	18	-1	-6.9%
Rental, Hiring & Real Estate Services	14	-1	-4.7%
Prof, Scientific & Technical Services	31	-9	-29.4%
Administrative & Support Services	16	-4	-27.2%
Public Administration & Safety	18	0	0.0%
Education & Training	37	-5	-12.4%
Health Care & Social Assistance	38	9	23.4%
Arts & Recreation Services	8	-7	-87.3%
Other Services	14	-6	-45.2%
<b>TOTAL</b>	<b>312</b>	<b>-42</b>	<b>-13.3%</b>

<b>Table 36 Value added – Whittlesea</b>			
	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	25	-1	-2.2%
Mining	6	-2	-31.7%
Manufacturing	219	-18	-8.1%
Electricity, Gas, Water & Waste Services	55	-4	-6.4%
Construction	266	-20	-7.5%
Wholesale Trade	116	-8	-6.8%
Retail Trade	150	-34	-22.9%
Accommodation & Food Services	33	-21	-62.9%
Transport, Postal & Warehousing	87	-12	-13.8%
Information Media & Telecoms	17	4	22.4%
Financial & Insurance Services	78	-7	-8.9%
Rental, Hiring & Real Estate Services	41	-1	-1.4%
Prof, Scientific & Technical Services	50	-22	-45.2%
Administrative & Support Services	51	-18	-35.6%
Public Administration & Safety	58	0	0.4%
Education & Training	129	-21	-16.5%
Health Care & Social Assistance	215	25	11.7%
Arts & Recreation Services	14	-12	-87.6%
Other Services	38	-13	-33.5%
<b>TOTAL</b>	<b>1646</b>	<b>-184</b>	<b>-11.2%</b>

<b>Table 37 Value added – Mitchell</b>			
	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	17	0	-1.8%
Mining	3	0	-8.0%
Manufacturing	16	-2	-10.5%
Electricity, Gas, Water & Waste Services	5	0	-10.0%
Construction	70	-6	-8.0%
Wholesale Trade	7	0	-3.9%
Retail Trade	19	-1	-7.5%
Accommodation & Food Services	8	-5	-65.6%
Transport, Postal & Warehousing	13	-1	-7.8%
Information Media & Telecoms	2	1	42.8%
Financial & Insurance Services	10	-1	-5.4%
Rental, Hiring & Real Estate Services	5	0	-5.6%
Prof, Scientific & Technical Services	7	-5	-75.3%
Administrative & Support Services	7	-3	-37.3%
Public Administration & Safety	41	0	-0.3%
Education & Training	21	-4	-19.0%
Health Care & Social Assistance	26	6	24.4%
Arts & Recreation Services	3	-2	-87.0%
Other Services	6	-2	-39.2%
<b>TOTAL</b>	<b>284</b>	<b>-27</b>	<b>-9.4%</b>

<b>Table 38 Value added – All 7 LGAs combined</b>			
	<b>2019 4 quarter average (\$ million)</b>	<b>COVID-19 impact, absolute quarter change (\$ million)</b>	<b>% Change</b>
Agriculture, Forestry & Fishing	74	-2	-3.4%
Mining	22	-6	-27.5%
Manufacturing	1145	-120	-10.5%
Electricity, Gas, Water & Waste Services	197	-23	-11.7%
Construction	1097	-89	-8.1%
Wholesale Trade	529	-52	-9.9%
Retail Trade	585	-133	-22.7%
Accommodation & Food Services	218	-139	-63.6%
Transport, Postal & Warehousing	1047	-363	-34.7%
Information Media & Telecoms	133	5	4.0%
Financial & Insurance Services	380	-39	-10.4%
Rental, Hiring & Real Estate Services	227	-15	-6.6%
Prof, Scientific & Technical Services	388	-178	-45.8%
Administrative & Support Services	348	-163	-46.9%
Public Administration & Safety	537	-11	-2.0%
Education & Training	671	-106	-15.8%
Health Care & Social Assistance	1123	161	14.3%
Arts & Recreation Services	79	-68	-86.8%
Other Services	242	-98	-40.5%
<b>TOTAL</b>	<b>9041</b>	<b>-1439</b>	<b>-15.9%</b>

## 7. Definitions

### *Workforce*

Before 2015 the workforce was based on NIEIR's unemployment level, plus employment based on the tax statistics. This is driven forward using a measure of the labour force adjusted for the movement of people from the workforce to Disability Support Pensions (DSP). The labour force estimates are produced by the *Department of Jobs and Small Business*. The information is contained in the *Small Area Labour Markets* publication that is produced quarterly. The labour force is defined as the yearly average level for 2009 to 2019. The average *Department of Jobs and Small Business* figure is added to the excess movement to disability support pensions. Excess movement is defined as any growth in excess of the rate of growth in the general population. It is therefore assumed that there is a natural level of people (expressed as a percentage of the population) who need to access the DSP. The DSP data is ascertained from the Department of Social Security. The rationale for adding in people who move from unemployment benefits to disability support is to measure the real labour force. If a person is receiving unemployment benefits, they are counted as part of the labour force: however, when people move from unemployment benefits to the DSP they are excluded. This impacts on the unemployment rate, which is defined as the number of unemployed divided by the labour force.

### *Employment*

Before 2015 this was based on the tax statistics adjusted to NIEIR definitions. This National Economics' measure of employment is the adjusted labour force as defined above, minus the estimated National Economics unemployment level. This means that since some unemployed people will be working a small number of hours; the NIEIR employment estimates exclude those employees who are on benefits while working a small number of hours.

### *Resident and place of work employment and income*

For sources for resident employment see above. Place of work employment is modelled using the journey to work matrix derived from the 2016 Census. Please note that UR is place of residence, and POW is place of work.

### *Industry groups*

*Source: ABS Census data analysed and projected by NIEIR*

Industry groups are defined in ANZSIC. Hi tech industries are defined as above. Hi income industries comprise groups B, K, M and N and part of group C (fabricated metals, transport equipment and machinery and equipment). Infrastructure services comprise groups P, Q and R – that is, they cover social infrastructure (health, education and culture) and exclude public administration and physical infrastructure.



- UR** = usual place of residence as recorded at the Census, as distinct from the location where the person may be recorded (e.g. while on holiday).
- POW** = usual place of work, i.e. the location of jobs (imputed sign-on points in the case of mobile jobs)

### ***Gross Regional Product (at factor cost – non GST version)***

Gross Regional Product (GRP) is a measure of size or net wealth generated by the region's economy. Changes in this figure over time can represent changes in employment, productivity or the types of industries in the area. This figure is benchmarked to the National Accounts as produced by the ABS. NIEIR's methodology establishes GRP levels based on the strength of JTW income by industry for the region. The methodology allocates much of the mining activity to the production region and limits head office activity to professional service GRP rates when they are away from the production regions. Similar rules apply to Construction and Tourism related industries.