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s 9(2)(a)

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APPENDIX: 3

NRHCC Testing Report Novel Coronavirus (COVID-19) Issued: 1745 16 August 2020

Key points:

- Regional lab capacity is 7,000 – 8,000 so last three days have exceeded capacity to process and report results in a timely way
- Occupational group for border workers relies on manual data entry which is behind due to significant volume pressure. We are working with agencies to get employee lists to do reconciliations.

| Table 1. Totals tests receipted from 12-16 August 2020, by ethnicity (as at 5pm) | | | | | | |
|---|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| | 12/08/2020 | 13/08/2020 | 14/08/2020 | 15/08/2020 | 16/08/2020* | Grand Total |
| Asian | 1710 | 2265 | 2089 | 1024 | 266 | 7354 |
| Maori | 1730 | 2196 | 2276 | 927 | 244 | 7373 |
| Other | 5964 | 6060 | 5916 | 2477 | 663 | 21080 |
| Pacific | 1564 | 2565 | 3092 | 1753 | 522 | 9496 |
| Unknown | 152 | 91 | 188 | 181 | 134 | 746 |

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|--------------------|--------------|--------------|--------------|-------------|-------------|--------------|
| Grand Total | 11120 | 13177 | 13561 | 6362 | 1829 | 46049 |
|--------------------|--------------|--------------|--------------|-------------|-------------|--------------|

* 16/8 day still in progress

Note: Numbers for 15/8 will continue to increase

Table 2. Total Tests receipted in last 24 hours by site (as at 5pm)

| Ethnicity | CTC | Non-CTC | Total |
|------------------|-------------|----------------|--------------|
| Māori | 393 | 343 | 736 |
| Pacific | 527 | 1012 | 1539 |
| Asian | 458 | 365 | 823 |
| Other | 1176 | 687 | 1863 |
| Unknown | 118 | 138 | 256 |
| Total | 2672 | 2545 | 5217 |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

Includes GP clinics, Urgent Care Centres, Designated practices

Table 3. Estimated tests taken 12-16 August 2020, based on manual site reports at 5pm

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| Site | | 12 August 2020 | 13 August 2020 | 14 August 2020 | 15 August 2020 | 16 August 2020* |
|------------------|-------------------|----------------|----------------|----------------|----------------|-----------------|
| MIQ | Staff | 349 | 850 | 575 | 179 | 137 |
| | Guests | 467 | 458 | 838 | 667 | 542 |
| | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 198 |
| | Port | No testing | 290 | 270 | 602 | 517 |
| | | | | | | |
| Outbreak related | Contacts of cases | | 622 | | | |
| | | | | | | |

* 16/8 day still in progress

Table 4: Estimated tests taken at Metro Auckland CTCs, 12-16 August 2020, based on manual site reports at 5pm

| Site | 12 August 2020 | 13 August 2020 | 14 August 2020 | 15 August 2020 | 16 August 2020* |
|--------------------------|----------------|----------------|----------------|----------------|-----------------|
| Airport Oaks | Not open | 265 | 409 | 328 | 146 |
| Auckland Netball Centre | Not open | Not open | Not open | Not open | 188 |
| Botany CTC | 150 | 270 | 260 | 241 | 230 |
| Coast to Coast Warkworth | 66 | 92 | 92 | 26 | 25 |
| Coast to Coast Wellsford | 33 | 68 | 61 | 6 | 19 |

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| Eventfinda Stadium | 134 | 563 | 620 | 320 | 163 |
| Health New Lynn | 700 | 812 | 550 | 324 | 217 |
| Henderson | Not open | 288 | 321 | 189 | 142 |
| Mangere Town Centre | Not open | Not open | 609 | 585 | 554 |
| Northcare A&M | Not open | Not open | Not open | 115 | 138 |
| Otara CTC | 556 | 718 | 781 | 603 | 544 |
| St Lukes | 106 | 309 | 356 | 331 | 171 |
| Takanini Urgent Care | 231 | 480 | 425 | 410 | 340 |
| Waiheke Medical Centre | 85 | 87 | 63 | 26 | 51 |
| Whanau House | 707 | 552 | 570 | 419 | 250 |
| Whanau Ora - Central | 1,714 | 385 | 400 | 410 | 216 |
| Whanau Ora - North | | 427 | 333 | 235 | 191 |
| Whanau Ora - South | | 618 | 708 | 404 | 146 |
| | | | | | |
| Waipuna Targeted Site | Not open | Not open | Not open | 19 | 84 |
| | | | | | |
| Total | 4,482 | 5,934 | 6,558 | 5,040 | 3,910 |

* 16/8 day still in progress

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Appendix 4: Testing by DHB and Ethnicity

Note: this is the number of people tested. The numbers in the testing section above are the number of tests done.

| Number of people tested for COVID-19 from 12 August to 15 August 2020 | | | | | | |
|---|----------------------------|-----------------|-------|-------|---------|-------|
| | Prioritised Ethnicity MPAO | | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Unknown | Total |
| Auckland | 646 | 1003 | 1461 | 3997 | 43 | 7150 |

| | | | | | | |
|-------------------|------|------|------|------|----|------|
| Bay of Plenty | 347 | 31 | 58 | 1023 | 8 | 1467 |
| Canterbury | 551 | 204 | 488 | 4849 | 43 | 6135 |
| Capital and Coast | 352 | 259 | 283 | 2383 | 28 | 3305 |
| Counties Manukau | 1323 | 2922 | 1510 | 2592 | 39 | 8386 |

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|--------------------|-------------|-------------|-------------|--------------|------------|--------------|
| Hawkes Bay | 225 | 30 | 37 | 689 | 3 | 984 |
| Hutt Valley | 193 | 89 | 98 | 796 | 5 | 1181 |
| Lakes | 539 | 58 | 95 | 738 | 13 | 1443 |
| Mid Central | 288 | 91 | 97 | 1291 | 11 | 1778 |
| Nelson Marlborough | 139 | 33 | 40 | 1093 | 2 | 1307 |
| Northland | 532 | 31 | 50 | 756 | 2 | 1371 |
| South Canterbury | 29 | 6 | 17 | 378 | 1 | 431 |
| Southern | 307 | 100 | 140 | 2745 | 12 | 3304 |
| Tairāwhiti | 198 | 15 | 12 | 188 | 1 | 414 |
| Taranaki | 121 | 7 | 20 | 384 | 3 | 535 |
| Waikato | 1079 | 177 | 296 | 2564 | 30 | 4146 |
| Wairarapa | 48 | 5 | 3 | 238 | NA | 294 |
| Waitematā | 884 | 766 | 1347 | 5259 | 30 | 8286 |
| West Coast | 15 | 1 | 3 | 123 | 3 | 145 |
| Whanganui | 213 | 21 | 17 | 428 | 1 | 680 |
| Unknown | 272 | 121 | 134 | 965 | 202 | 1694 |
| Total | 8301 | 5970 | 6206 | 33480 | 480 | 54437 |

Rate per 1000 people tested for COVID-19 from 12 August to 15 August 2020

| | Prioritised Ethnicity MPAO | | | | |
|-------------------|----------------------------|-----------------|-------|-------|-------|
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Total |
| Auckland | 14.9 | 17.9 | 7.8 | 15.3 | 13.0 |
| Bay of Plenty | 5.8 | 7.0 | 3.0 | 6.5 | 6.1 |
| Canterbury | 10.5 | 14.4 | 8.0 | 10.9 | 10.7 |
| Capital and Coast | 9.6 | 11.7 | 5.6 | 11.2 | 10.3 |
| Counties Manukau | 14.9 | 24.3 | 10.0 | 12.4 | 14.7 |
| Hawkes Bay | 5.2 | 4.7 | 4.0 | 6.4 | 5.9 |
| Hutt Valley | 7.4 | 7.6 | 5.2 | 8.4 | 7.8 |
| Lakes | 14.0 | 22.7 | 9.8 | 12.3 | 13.0 |

| | | | | | |
|--------------------|-------------|-------------|------------|-------------|-------------|
| Mid Central | 7.9 | 16.4 | 6.3 | 10.4 | 9.8 |
| Nelson Marlborough | 8.7 | 13.4 | 5.4 | 8.7 | 8.6 |
| Northland | 8.7 | 8.2 | 6.0 | 6.9 | 7.5 |
| South Canterbury | 5.5 | 12.3 | 7.2 | 7.3 | 7.2 |
| Southern | 9.1 | 14.5 | 5.4 | 10.3 | 9.9 |
| Tairāwhiti | 8.0 | 13.4 | 10.3 | 8.5 | 8.4 |
| Taranaki | 5.2 | 5.0 | 3.2 | 4.3 | 4.4 |
| Waikato | 11.2 | 13.3 | 6.7 | 9.5 | 9.8 |
| Wairarapa | 6.0 | 6.0 | 2.4 | 6.7 | 6.4 |
| Waitematā | 14.1 | 17.2 | 9.4 | 13.8 | 13.1 |
| West Coast | 3.9 | 4.0 | 3.2 | 4.6 | 4.5 |
| Whanganui | 12.3 | 13.8 | 5.8 | 9.9 | 10.5 |
| Total | 10.7 | 18.7 | 8.1 | 10.8 | 11.0 |

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**SITREP 019****Coronavirus disease 2019 (COVID-19)****Issued: 1100 hours 17 August 2020****Information current at: 1100 hours****Next SitRep to be sent at: 1500 hours 17 August 2020**

This report provides three-times daily updates on the COVID-19 health system response. New information is denoted by red text.

Please use the single point of contact email covid-19response@health.govt.nz for help / support. Your email will be logged and promptly passed to the appropriate team.

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Need to know

- As at 0900 hours there are **nine** additional cases since 0900 16 August 2020 (**four** additional since the 1800 16 August 2020 sit rep) and **58** community cases in total as set out in the table below. This total comprises **56** cases linked to the cluster *Auckland Community Cluster August 2020*.
 - Two** of the **58** cases are still under investigation. The samples from the **s 9(2)(a)** and the MIF worker will be sequenced today with a report expected from ESR at 1800.
- Of the four new confirmed cases reported since 1800 16 August:
 - Two** confirmed cases **s 9(2)(a)** are household contacts of confirmed cases
 - Two** confirmed case are still being scoped, but are believed to be linked to the cluster.

| Case Status | Counties Manukau | Waitematā | Auckland | Waikato | Total |
|-------------|------------------|-----------|----------------|----------|----------------|
| Confirmed | 28 (+3) | 8 | 19 (+6) | 2 | 57 (+9) |
| Probable | 1 | 0 | 0 | 0 | 1 |
| Total | 29 (+3) | 8 | 19 (+6) | 2 | 58 (+9) |

- There have been no new cases at the border since 0900 16 August 2020. In total there are 99 cases that have been detected at the border since the establishment of MIFs/MIQs.
- As at 0900 hours there are five cases requiring hospital-level care as follows:
 - s 9(2)(a)** Auckland (Auckland City Hospital) – **stable**

- s 9(2)(a) [redacted] Auckland (Auckland City Hospital) – stable
- s 9(2)(a) [redacted] Counties Manukau (Middlemore) – stable
- s 9(2)(a) [redacted] Counties Manukau (Middlemore) – stable
- s 9(2)(a) [redacted] Counties Manukau (Middlemore) – stable
- 36 cases and 50 close contacts (86 people total) have been transferred to the Jet Park MIQ facility in Auckland.

Health system response

Overall approach

- Our investigation has two main focus areas that run in parallel:
 - **Source attribution** – a focus on investigating the case with the earliest symptom onset date to gather details actions of movements 14 days prior. This will help to understand the possible source of the new outbreak.
 - **Containment** – rigorous case investigation, identification of close contacts and isolation and testing to ensure that chain of transmission is broken.

Investigation: Auckland Community Cluster August 2020

Auckland case investigation updates

Americold (two sites with confirmed cases)

- The environmental swabbing at the Mt Wellington Americold site has been done. The swabs are being processed by ESR. Results for some of the swabs have returned weak positives for the virus. The site was re-sampled yesterday along with the Wiri site. The samples have been delivered to ESR for processing today and results will be available within the next 24 hours. A report on the initial Mt Wellington site visit and sampling will be available at the end of today.
- s 6(b)(i) [redacted]
[redacted]
[redacted]
[redacted]
[redacted]
[redacted]
- Six new close contacts at the Mt Wellington site were identified yesterday afternoon. All six have been tested yesterday and results are pending.

- Yesterday the CEO of Americold supplied a list of 110 contractors from 58 organisations that visited the Mt Wellington site in the last 14 days. **This list is being scoped for close contacts.**
- **All of the 41 staff at the Mt Wellington Americold site have been tested. Nine are positive, 23 are negative and the remainder are pending. We will be prioritising the processing these swabs and seeking results today.**
- **s 9(2)(a)**
[REDACTED]

Finance Now

- 153 of 158 staff at Finance Now have been tested. Five are positive, 143 are negative, and five results are pending. **We are following these up this morning.**
- 28 of 31 Finance Now family close contacts have been tested. All 28 are negative. **We are following up on the remaining three this morning.**

NZ Post Distribution Centre

- A NZ Post distribution centre is associated with the cluster. An existing case reported on 16 August 2020 is an employee at the distribution centre and worked there while infectious.
- The site is being scoped and 23 workers have been identified as close contacts. **We are following up on the status of this investigation this morning.** The remaining workers at the site will be treated as casual contacts.

Other Locations

- A church in Auckland associated with a case at Mt Wellington workplace is being scoped. **s 9(2)(a)** [REDACTED] Several hundred possible contacts have been identified through visitor logs. This is being followed up.
- Two additional churches in Auckland associated with cases are being scoped.
- There are **seven** educational institutions with associated with confirmed cases and six educational institutions associated with contacts of confirmed or probable cases.

Waikato case investigation updates

- The two cases from Waikato are isolating at the Jet Park MIQ facility in Auckland.
- One of the cases attends a local polytechnic which has been closed and has undergone a deep clean. Two exposure events at the polytechnic have been scoped as follows:
 - **s 9(2)(a)**
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

- s 9(2)(a) [REDACTED]
[REDACTED]
[REDACTED]
- Investigation of case's visit to s 9(2)(a) [REDACTED] has been closed as no close contacts observed.

Updates from ESR and wider testing

- Genome sequencing results – the first four cases have been completed and are all consistent with each other. No identical match to any cases in the managed isolation and quarantine samples sequenced has been found. No identical match to any previous cases in New Zealand. Further investigation is ongoing.
- There is a one mutation difference between these samples and the closest genome identified globally to date (reported in May 2020). This very low mutation rate may indicate that the virus has not replicated many times. This may indicate that the virus has transmitted through a small number of people over this time, that this lineage mutates less, or that the virus has been transmitted through means other than person-to-person spread, acknowledging that this requires a degree of environmental persistence that has yet been unobserved.

Contact Tracing

- 1035 (78.5%) close contacts of 1318 confirmed cases reported from 8 August to 14 August have been successfully contacted within 48 hours. Since 11 August 1632 close contacts have been identified. Of these 1,461 of these have been contacted and are self-isolating. The remaining are in the process of being contacted.

| | 14/08/2020 | 15/08/2020 | 16/08/2020 | 17/08/2020 |
|--|--------------|--------------|--------------|-------------|
| Number of close contacts identified | 1,016 | 1,504 | 1,610 | 1632 |
| Number of close contacts successfully contacted | 797 | 1198 | 1,429 | 1461 |
| Number of close contacts referred to "finding services"*** | 14 | 68 | 81 | 84 |
| Number of close contacts awaiting contact | 205 | 238 | 100 | 87 |

*Contacts loaded into the National Contact Tracing Solution, and managed by either the National Investigation and Tracing Unit or the Public Health Units. **N.B "Finding services" refers to the mechanism the National Close Contact Service uses to find valid contact details for close contacts we do not have the correct contact details for. These services utilise internal Ministry of Health databases along with Police, Customs and Airlines where relevant.

Testing

Swab numbers

- On 16 August 2020 26,014 tests were completed nationally; bringing the total number of tests to 95,251 since (and including) 12 August 2020.
- The table below is updated once per day to allow for data collection. Please note the DHBs report swab numbers that are counted at different stages in the testing process, as such this data is likely to change over time. As at 0900 today, the number of swabs collected nationally on 16 August 2020 is summarised as follows:

| Swab Stream | Number of swabs taken |
|----------------|-----------------------|
| Community | 7,299 |
| MIF Staff | 219 |
| MIF Guests | 829 |
| Airport Staff | 236 |
| Maritime Staff | 1,115 |
| Total | 9,698 |

Lab Testing numbers

- Testing throughput the last 3 days to 15 August has been 23,846, 23,682, and 26,014 yesterday. A total of 73,542 over the last 3 days. These volumes have been made possible through pooling of samples and hard work of the labs to process.
- Swab supply is good with a further 60,000 swabs being put into circulation today

Testing activity by region

Focus areas:

- There are 39 designated community testing centres in the wider Auckland region. Locations have been identified in partnership with the DHB's Pacific Team. Mobile testing sites are being redeployed to test close contacts as required. A few additional sites are also being scoped for community testing to open early next week.
- As at 1100 hours today there are now 20 testing sites in Auckland City. This includes two sites at Mt Wellington and Blockhouse Bay which are exclusively for close contact testing. Three new community testing centres are in plans to be set up.
-

- Port and airport workers are continuing to be tested today. Overnight testing was done at the Auckland airport to catch the night workers. The port and operators have been very cooperative, and 2,556 tests have been done at the Auckland port to date.

Healthline updates

- On 16 August there were 4,795 contacts in total through Healthline. Of those calls 2,542 were to the COVID-19 information line.
- On Friday 14 August the demand on 1737 Need to talk? and other mental health services was 9.2% higher than forecast with 640 contacts in total.
- On 16 August the average wait time on the COVID-19 Information Line was 08:59 minutes. This is a decrease in average wait time from 11:43 on 15 August continuing to decrease from 13:58 minutes on 14 August 2020.
- The main themes yesterday / today:
 - People complaining that they have not had test results back yet
 - People are starting to delay access to non-covid related care in Auckland
 - False media / social media reporting of exposure events is causing unnecessary alarm and concern
 - People wanting information on how to get out of Auckland for compassionate reasons and get exemptions
 - The theme of charging people for tests diminished yesterday
 - Increase in Mental health service lines – anxiety relating to going back into lockdown rather than covid related anxiety

Health Workforce

- Health Workforce are working with DHBs to investigate the feasibility of establishing a micro-credential for swabbing to expand capacity. It is envisaged the Kaiāwhina workforce will be used.
- Health Workforce is continuing to work with all 20 DHBs to understand their workforce needs, identify any gaps and provide support where possible.
- Health Workforce provided advice to NRHCC on workforce implications for the airside testing order at Auckland Airport.

Hospital Capacity

- As at 1000 17 August 2020, ICU and HDU bed, ventilators, and ward beds are summarised as follows:

| Type | Number of Units | Number Occupied / in use |
|------------------|-----------------|--------------------------|
| ICU and HDU Beds | 307 | 154 (50.2%) |
| Ventilators | 248 | 25 (10.1%) |
| Ward Beds | 5879 | 4419 (75.2%) |

Appendix 1: Case summary

All cases reported in the community since 11 August 2020 (all cases reported today are highlighted in red)

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APPENDIX: 3

NRHCC Testing Report Novel Coronavirus (COVID-19) Issued: 1745 16 August 2020

Key points:

- Regional lab capacity is 7,000 – 8,000 so last three days have exceeded capacity to process and report results in a timely way
- Occupational group for border workers relies on manual data entry which is behind due to significant volume pressure. We are working with agencies to get employee lists to do reconciliations.

Table 1. Totals tests receipted from 12-16 August 2020, by ethnicity (as at 5pm)

| | 12/08/2020 | 13/08/2020 | 14/08/2020 | 15/08/2020 | 16/08/2020* | Grand Total |
|--------------------|--------------|--------------|--------------|-------------|-------------|--------------|
| Asian | 1710 | 2265 | 2089 | 1024 | 266 | 7354 |
| Maori | 1730 | 2196 | 2276 | 927 | 244 | 7373 |
| Other | 5964 | 6060 | 5916 | 2477 | 663 | 21080 |
| Pacific | 1564 | 2565 | 3092 | 1753 | 522 | 9496 |
| Unknown | 152 | 91 | 188 | 181 | 134 | 746 |
| Grand Total | 11120 | 13177 | 13561 | 6362 | 1829 | 46049 |

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* 16/8 day still in progress

Note: Numbers for 15/8 will continue to increase

Table 2. Total Tests receipted in last 24 hours by site (as at 5pm)

| Ethnicity | CTC | Non-CTC | Total |
|--------------|-------------|-------------|-------------|
| Māori | 393 | 343 | 736 |
| Pacific | 527 | 1012 | 1539 |
| Asian | 458 | 365 | 823 |
| Other | 1176 | 687 | 1863 |
| Unknown | 118 | 138 | 256 |
| Total | 2672 | 2545 | 5217 |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

Includes GP clinics, Urgent Care Centres, Designated practices

Table 3. Estimated tests taken 12-16 August 2020, based on manual site reports at 5pm

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| Site | | 12 August 2020 | 13 August 2020 | 14 August 2020 | 15 August 2020 | 16 August 2020* |
|------------------|-------------------|----------------|----------------|----------------|----------------|-----------------|
| MIQ | Staff | 349 | 850 | 575 | 179 | 137 |
| | Guests | 467 | 458 | 838 | 667 | 542 |
| | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 198 |
| | Port | No testing | 290 | 270 | 602 | 517 |
| | | | | | | |
| Outbreak related | Contacts of cases | | 622 | | | |
| | | | | | | |

* 16/8 day still in progress

Table 4: Estimated tests taken at Metro Auckland CTCs, 12-16 August 2020, based on manual site reports at 5pm

| Site | 12 August 2020 | 13 August 2020 | 14 August 2020 | 15 August 2020 | 16 August 2020* |
|--------------------------|----------------|----------------|----------------|----------------|-----------------|
| Airport Oaks | Not open | 265 | 409 | 328 | 146 |
| Auckland Netball Centre | Not open | Not open | Not open | Not open | 188 |
| Botany CTC | 150 | 270 | 260 | 241 | 230 |
| Coast to Coast Warkworth | 66 | 92 | 92 | 26 | 25 |
| Coast to Coast Wellsford | 33 | 68 | 61 | 6 | 19 |

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|------------------------|----------|----------|----------|-------|-------|
| Eventfinda Stadium | 134 | 563 | 620 | 320 | 163 |
| Health New Lynn | 700 | 812 | 550 | 324 | 217 |
| Henderson | Not open | 288 | 321 | 189 | 142 |
| Mangere Town Centre | Not open | Not open | 609 | 585 | 554 |
| Northcare A&M | Not open | Not open | Not open | 115 | 138 |
| Otara CTC | 556 | 718 | 781 | 603 | 544 |
| St Lukes | 106 | 309 | 356 | 331 | 171 |
| Takanini Urgent Care | 231 | 480 | 425 | 410 | 340 |
| Waiheke Medical Centre | 85 | 87 | 63 | 26 | 51 |
| Whanau House | 707 | 552 | 570 | 419 | 250 |
| Whanau Ora - Central | 1,714 | 385 | 400 | 410 | 216 |
| Whanau Ora - North | | 427 | 333 | 235 | 191 |
| Whanau Ora - South | | 618 | 708 | 404 | 146 |
| | | | | | |
| Waipuna Targeted Site | Not open | Not open | Not open | 19 | 84 |
| | | | | | |
| Total | 4.482 | 5.934 | 6.558 | 5.040 | 3.910 |

* 16/8 day still in progress

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Appendix 4: Testing by DHB and Ethnicity

Note: this is the number of people tested. The numbers in the testing section above are the number of tests done.

| Number of people tested for COVID-19 from 12 August to 15 August 2020 | | | | | | |
|---|----------------------------|-----------------|-------------|--------------|------------|--------------|
| | Prioritised Ethnicity MPAO | | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Unknown | Total |
| Auckland | 646 | 1003 | 1461 | 3997 | 43 | 7150 |
| Bay of Plenty | 347 | 31 | 58 | 1023 | 8 | 1467 |
| Canterbury | 551 | 204 | 488 | 4849 | 43 | 6135 |
| Capital and Coast | 352 | 259 | 283 | 2383 | 28 | 3305 |
| Counties Manukau | 1323 | 2922 | 1510 | 2592 | 39 | 8386 |
| Hawkes Bay | 225 | 30 | 37 | 689 | 3 | 984 |
| Hutt Valley | 193 | 89 | 98 | 796 | 5 | 1181 |
| Lakes | 539 | 58 | 95 | 738 | 13 | 1443 |
| Mid Central | 288 | 91 | 97 | 1291 | 11 | 1778 |
| Nelson Marlborough | 139 | 33 | 40 | 1093 | 2 | 1307 |
| Northland | 532 | 31 | 50 | 756 | 2 | 1371 |
| South Canterbury | 29 | 6 | 17 | 378 | 1 | 431 |
| Southern | 307 | 100 | 140 | 2745 | 12 | 3304 |
| Tairāwhiti | 198 | 15 | 12 | 188 | 1 | 414 |
| Taranaki | 121 | 7 | 20 | 384 | 3 | 535 |
| Waikato | 1079 | 177 | 296 | 2564 | 30 | 4146 |
| Wairarapa | 48 | 5 | 3 | 238 | NA | 294 |
| Waitematā | 884 | 766 | 1347 | 5259 | 30 | 8286 |
| West Coast | 15 | 1 | 3 | 123 | 3 | 145 |
| Whanganui | 213 | 21 | 17 | 428 | 1 | 680 |
| Unknown | 272 | 121 | 134 | 965 | 202 | 1694 |
| Total | 8301 | 5970 | 6206 | 33480 | 480 | 54437 |

| Rate per 1000 people tested for COVID-19 from 12 August to 15 August 2020 | | | | | |
|---|----------------------------|-----------------|------------|-------------|-------------|
| | Prioritised Ethnicity MPAO | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Total |
| Auckland | 14.9 | 17.9 | 7.8 | 15.3 | 13.0 |
| Bay of Plenty | 5.8 | 7.0 | 3.0 | 6.5 | 6.1 |
| Canterbury | 10.5 | 14.4 | 8.0 | 10.9 | 10.7 |
| Capital and Coast | 9.6 | 11.7 | 5.6 | 11.2 | 10.3 |
| Counties Manukau | 14.9 | 24.3 | 10.0 | 12.4 | 14.7 |
| Hawkes Bay | 5.2 | 4.7 | 4.0 | 6.4 | 5.9 |
| Hutt Valley | 7.4 | 7.6 | 5.2 | 8.4 | 7.8 |
| Lakes | 14.0 | 22.7 | 9.8 | 12.3 | 13.0 |
| Mid Central | 7.9 | 16.4 | 6.3 | 10.4 | 9.8 |
| Nelson Marlborough | 8.7 | 13.4 | 5.4 | 8.7 | 8.6 |
| Northland | 8.7 | 8.2 | 6.0 | 6.9 | 7.5 |
| South Canterbury | 5.5 | 12.3 | 7.2 | 7.3 | 7.2 |
| Southern | 9.1 | 14.5 | 5.4 | 10.3 | 9.9 |
| Tairāwhiti | 8.0 | 13.4 | 10.3 | 8.5 | 8.4 |
| Taranaki | 5.2 | 5.0 | 3.2 | 4.3 | 4.4 |
| Waikato | 11.2 | 13.3 | 6.7 | 9.5 | 9.8 |
| Wairarapa | 6.0 | 6.0 | 2.4 | 6.7 | 6.4 |
| Waitematā | 14.1 | 17.2 | 9.4 | 13.8 | 13.1 |
| West Coast | 3.9 | 4.0 | 3.2 | 4.6 | 4.5 |
| Whanganui | 12.3 | 13.8 | 5.8 | 9.9 | 10.5 |
| Total | 10.7 | 18.7 | 8.1 | 10.8 | 11.0 |



SITREP 020

Coronavirus disease 2019 (COVID-19)

Issued: **1500 hours 17 August 2020**

Information current at: **1300 hours**

Next SitRep to be sent at: **1800 hours 17 August 2020**

This report provides three-times daily updates on the COVID-19 health system response. New information is denoted by red text.

Please use the single point of contact email covid-19response@health.govt.nz for help / support. Your email will be logged and promptly passed to the appropriate team.

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Need to know

- As at **1300** hours there are **14** additional cases since 0900 16 August 2020 (**9** additional since the **1800** 16 August 2020 sit rep and **5** since the **0900** sit rep) and **63** community cases in total as set out in the table below. This total comprises **61** cases linked to the cluster *Auckland Community Cluster August 2020*.
 - Two** of the **63** cases are still under investigation. The samples from the **s 9(2)(a) 2(a)** and the MIF worker will be sequenced today with a report expected from ESR at 1800.
- Of the five new confirmed cases reported since 0900 17 August:
 - All are linked to the cluster with three being household contacts to previously confirmed cases. One is linked with a workplace site and the other is associated with an Auckland church.

| Case Status | Counties Manukau | Waitematā | Auckland | Waikato | Total |
|-------------|------------------|-----------|----------------|----------|-----------------|
| Confirmed | 31 (+6) | 8 | 21 (+8) | 2 | 62 (+14) |
| Probable | 1 | 0 | 0 | 0 | 1 |
| Total | 32 (+6) | 8 | 21 (+8) | 2 | 63 (+14) |

- There have been no new cases at the border since 0900 16 August 2020. In total there are 99 cases that have been detected at the border since the establishment of MIFs/MIQs.
- 71% of confirmed cases are Pacific Peoples with 14% of Maori ethnicity.
- As at 0900 hours there are five cases requiring hospital-level care as follows:

- s 9(2)(a) Auckland (Auckland City Hospital) – stable
- s 9(2)(a) Auckland (Auckland City Hospital) – stable
- s 9(2)(a) Counties Manukau (Middlemore) – stable
- s 9(2)(a) Counties Manukau (Middlemore) – stable
- s 9(2)(a) Counties Manukau (Middlemore) – stable
- 36 cases and 50 close contacts (86 people total) have been transferred to the Jet Park MIQ facility in Auckland.

Health system response

Overall approach

- Our investigation has two main focus areas that run in parallel:
 - **Source attribution** – a focus on investigating the case with the earliest symptom onset date to gather details actions of movements 14 days prior. This will help to understand the possible source of the new outbreak.
 - **Containment** – rigorous case investigation, identification of close contacts and isolation and testing to ensure that chain of transmission is broken.

Investigation: Auckland Community Cluster August 2020

Auckland case investigation updates

Americold (two sites with confirmed cases)

- Currently, there is no evidence confirming environmental transmission into the cold store from food packaging. Results of 4 swabs (three environment and one plastic wrap) have returned weak positives for the virus. Further swabbing is taking place today, and these results are expected in the next 24 hours. Wiri was also swabbed yesterday.
- s 6(b)(i) [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
- The six new close contacts at the Mt Wellington site were identified yesterday afternoon. All six have been tested yesterday and results are still pending.
- Yesterday the CEO of Americold supplied a list of 110 contractors from 58 organisations that visited the Mt Wellington site in the last 14 days. This list is being scoped for close contacts.

- All of the 41 staff at the Mt Wellington Americold site have been tested. Nine are positive, 23 are negative and the remainder are pending. We will be prioritising the processing these swabs and seeking results today.

- s 9(2)(a)

Finance Now

- 153 of 158 staff at Finance Now have been tested. Five are positive, 143 are negative, and five results are pending. We are following these up this morning.
- 28 of 31 Finance Now family close contacts have been tested. All 28 are negative. We are following up on the remaining three this morning.

NZ Post Distribution Centre

- A NZ Post distribution centre is associated with the cluster. An existing case reported on 16 August 2020 is an employee at the distribution centre and worked there while infectious.
- The site is being scoped and 23 workers have been identified as close contacts. We are following up on the status of this investigation this morning. The remaining workers at the site will be treated as casual contacts.

Other Locations

- A church in Auckland associated with a case at Mt Wellington workplace is being scoped. s 9(2)(a). Several hundred possible contacts have been identified through visitor logs. This is being followed up.
- Two additional churches in Auckland associated with cases are being scoped.
- There are seven educational institutions with associated with confirmed cases and six educational institutions associated with contacts of confirmed or probable cases.

Waikato case investigation updates

- The two cases from Waikato are isolating at the Jet Park MIQ facility in Auckland.
- One of the cases attends a local polytechnic which has been closed and has undergone a deep clean. Two exposure events at the polytechnic have been scoped as follows:
 - s 9(2)(a)
 - s 9(2)(a)

- Investigation of case's visit to s 9(2)(a) has been closed as no close contacts observed.

Updates from ESR and wider testing

- Genome sequencing results – the first four cases have been completed and are all consistent with each other. No identical match to any cases in the managed isolation and quarantine samples sequenced has been found. No identical match to any previous cases in New Zealand. Further investigation is ongoing.
- There is a one mutation difference between these samples and the closest genome identified globally to date (reported in May 2020). This very low mutation rate may indicate that the virus has not replicated many times. This may indicate that the virus has transmitted through a small number of people over this time, that this lineage mutates less, or that the virus has been transmitted through means other than person-to-person spread, acknowledging that this requires a degree of environmental persistence that has yet been unobserved.

Contact Tracing

- 1035 (78.5%) close contacts of 1318 confirmed cases reported from 8 August to 14 August have been successfully contacted within 48 hours. Since 11 August 1632 close contacts have been identified. Of these 1,461 of these have been contacted and are self-isolating. The remaining are in the process of being contacted.

| | 14/08/2020 | 15/08/2020 | 16/08/2020 | 17/08/2020 |
|--|--------------|--------------|--------------|-------------------|
| Number of close contacts identified | 1,016 | 1,504 | 1,610 | 1737(+105) |
| Number of close contacts successfully contacted | 797 | 1198 | 1,429 | 1482 (+21) |
| Number of close contacts referred to "finding services"*** | 14 | 68 | 81 | 73 (-11) |
| Number of close contacts awaiting contact | 205 | 238 | 100 | 182 (+95) |

*Contacts loaded into the National Contact Tracing Solution, and managed by either the National Investigation and Tracing Unit or the Public Health Units. **N.B "Finding services" refers to the mechanism the National Close Contact Service uses to find valid contact details for close contacts we do not have the correct contact details for. These services utilise internal Ministry of Health databases along with Police, Customs and Airlines where relevant.

Testing

Swab numbers

- As at 1400 today, the number of swabs collected nationally on 17 August 2020 is summarised as follows:

| Swab Stream | Number of swabs taken |
|----------------|-----------------------|
| Community | 2,893 |
| MIF Staff | 163 |
| MIF Guests | 335 |
| Airport Staff | 239 |
| Maritime Staff | 405 |
| Total | 4,035 |

- Please note the DHBs report swab numbers that are counted at different stages in the testing process, as such this data is likely to change over time.

Lab Testing numbers

- On 16 August 2020 26,014 tests were completed nationally; bringing the total number of tests to 95,251 since (and including) 12 August 2020.
- Testing throughput the last 3 days to 15 August has been 23,846, 23,682, and 26,014 yesterday. A total of 73,542 over the last 3 days. These volumes have been made possible through pooling of samples and hard work of the labs to process.

Testing activity by region

Focus areas:

- There are 39 designated community testing centres in the wider Auckland region. Locations have been identified in partnership with the DHB's Pacific Team. Mobile testing sites are being redeployed to test close contacts as required. A few additional sites are also being scoped for community testing to open early next week.
- As at 1100 hours today there are now 20 testing sites in Auckland City. This includes two sites at Mt Wellington and Blockhouse Bay which are exclusively for close contact testing. Three new community testing centres are in plans to be set up.
- Port and airport workers are continuing to be tested today. Overnight testing was done at the Auckland airport to catch the night workers. The port and operators have been very cooperative, and 2,556 tests have been done at the Auckland port to date.

Healthline updates

- On 16 August there were 4,795 contacts in total through Healthline. Of those calls 2,542 were to the COVID-19 information line.
- On Friday 14 August the demand on 1737 Need to talk? and other mental health services was 9.2% higher than forecast with 640 contacts in total.
- On 16 August the average wait time on the COVID-19 Information Line was 08:59 minutes. This is a decrease in average wait time from 11:43 on 15 August continuing to decrease from 13:58 minutes the day before.
- The main themes yesterday / today:
 - People complaining that they have not had test results back yet.
 - People are starting to delay access to non-COVID-19 related care in Auckland.
 - False media / social media reporting of exposure events is causing unnecessary alarm and concern.
 - People wanting information on how to get out of Auckland for compassionate reasons and get exemptions.
 - The theme of charging people for tests diminished yesterday.
 - Increase in Mental health service lines – anxiety relating to going back into lockdown rather than COVID-19 related anxiety.

Logistics

Health Workforce

- Health Workforce are working closely with ARPHS around a request for public health clinicians to support the response in Auckland, as well as workforce support for contact tracing.
- Health Workforce are working with DHBs to investigate the feasibility of establishing a micro-credential for swabbing to expand capacity. It is envisaged the Kaiāwhina workforce will be used.
- Health Workforce is continuing to work with all 20 DHBs to understand their workforce needs, identify any gaps and provide support where possible.

Health Supply

- 30,000 swabs are expected to be distributed today with a further 30,000 tomorrow.
- It is expected that 100,000 swabs will arrive by the end of the week.

Hospital Capacity

- As at 1000 17 August 2020, ICU and HDU bed, ventilators, and ward beds are summarised as follows:

| Type | Number of Units | Number Occupied / in use |
|------------------|-----------------|--------------------------|
| ICU and HDU Beds | 307 | 154 (50.2%) |
| Ventilators | 248 | 25 (10.1%) |
| Ward Beds | 5879 | 4419 (75.2%) |

Appendix 1: Case summary

All cases reported in the community since 1800 16 August 2020 (all cases reported today are highlighted in red)

| Case Number | Date Tested Positive | Onset Date | Case Status | DHB | Sex | Age | Ethnicity | Symptoms [Yes/No] | Hosp | Occupation | Source of Transmission |
|--------------------------|----------------------|------------|-------------|--------------------------|------------|--------------------------|--------------------------|-------------------|------------|--------------------------|--|
| s 9(2)(a) [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] [REDACTED] |
| [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] [REDACTED] [REDACTED] |
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| [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] |
| [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] [REDACTED] |
| [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] |
| [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] |

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| [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] [REDACTED] [REDACTED] |

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Appendix 2: International case investigations

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APPENDIX: 3

NRHCC Testing Report Novel Coronavirus (COVID-19) Issued: 1300 17 August 2020

Key points:

- Regional lab capacity is 7,000 – 8,000 so last four days have exceeded capacity to process and report results in a timely way
- Occupational group for border workers relies on manual data entry which is behind due to significant volume pressure. We are working with agencies to get employee lists to do reconciliations.

Table 1. Metro Auckland Summary Total of Testing for 17 August 2020

| | Community | MIQ staff | MIQ guests | Airport | Maritime port | TOTAL |
|---------------|-----------|-----------|------------|---------|---------------|-------|
| 1:00pm | 1,983 | 73 | 335 (sch) | 167 | 371 | 2,929 |

Table 2. Totals tests receipted from 12-17 August 2020, by ethnicity (as at 1pm)

| | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08* | Grand Total |
|-------|-------|-------|-------|-------|-------|--------|-------------|
| Asian | 1711 | 2266 | 2447 | 1609 | 1089 | 39 | 9161 |
| Maori | 1730 | 2197 | 2644 | 1343 | 978 | 82 | 8974 |

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|--------------------|--------------|--------------|--------------|-------------|-------------|------------|--------------|
| Other | 5966 | 6061 | 7157 | 3877 | 2659 | 167 | 25887 |
| Pacific | 1566 | 2571 | 3507 | 2567 | 2336 | 58 | 12605 |
| Unknown | 152 | 91 | 185 | 163 | 182 | 7 | 780 |
| Grand Total | 11125 | 13186 | 15940 | 9559 | 7244 | 353 | 57407 |

* 17/8 day still in progress

Note: Numbers for 15/8 and 16/8 will continue to increase

Table 3. Total Tests receipted in last 24 hours by site (as at 1pm)

| Ethnicity | CTC | Non-CTC | Total |
|------------------|-------------|----------------|--------------|
| Māori | 539 | 485 | 1024 |
| Pacific | 1058 | 1270 | 2328 |
| Asian | 517 | 530 | 1047 |
| Other | 1255 | 1337 | 2592 |
| Unknown | 84 | 105 | 189 |
| Total | 3453 | 3727 | 7180 |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

Includes GP clinics, Urgent Care Centres, Designated practices

Table 4. Estimated tests taken 12-17 August 2020, based on manual site reports at 12pm

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| Site | | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08* |
|--------|---------|------------|-------|-------|-------|-------|-----------|
| MIQ | Staff | 349 | 850 | 575 | 179 | 137 | 73 |
| | Guests | 467 | 458 | 838 | 667 | 542 | 335 (sch) |
| | | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 237 | 167 |
| | Port | No testing | 290 | 270 | 510 | 517 | 371 |
| | | | | | | | |

* 17/8 day still in progress

Table 5: Estimated tests taken at Metro Auckland CTCs, 12-17 August 2020, based on manual site reports at 12pm

| Site | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 * |
|--------------------------|----------|----------|----------|----------|-------|------------|
| Airport Oaks | Not open | 265 | 409 | 328 | 146 | 110 |
| Auckland Netball Centre | Not open | Not open | Not open | Not open | 192 | 76 |
| Botany CTC | 150 | 270 | 260 | 241 | 230 | 91 |
| Coast to Coast Warkworth | 66 | 92 | 92 | 26 | 25 | 11 |
| Coast to Coast Wellsford | 33 | 68 | 61 | 6 | 19 | 23 |
| Eventfinda Stadium | 134 | 563 | 620 | 320 | 163 | 129 |
| Health New Lynn | 700 | 812 | 550 | 324 | 217 | 11 |

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| | | | | | | |
|------------------------------|----------|----------|----------|----------|----------|-------|
| Henderson | Not open | 288 | 321 | 189 | 142 | 104 |
| Mangere Town Centre | Not open | Not open | 609 | 585 | 554 | 190 |
| Northcare A&M | Not open | Not open | Not open | 115 | 138 | |
| Otara CTC | 556 | 718 | 781 | 603 | 563 | 179 |
| St Lukes | 106 | 309 | 356 | 331 | 171 | 162 |
| Takanini Urgent Care | 231 | 480 | 425 | 410 | 340 | 210 |
| Waiheke Medical Centre | 85 | 87 | 63 | 26 | 51 | 25 |
| Whanau House | 707 | 552 | 570 | 419 | 250 | 200 |
| Whanau Ora - Central | 1,714 | 385 | 400 | 410 | 258 | 53 |
| Whanau Ora - North | | 427 | 333 | 235 | 206 | 62 |
| Whanau Ora - South | | 618 | 708 | 404 | 246 | 94 |
| | | | | | | |
| Waipuna Targeted Site | Not open | Not open | Not open | 19 | 124 | 103 |
| Blockhouse Bay Targeted Site | Not open | Not open | Not open | Not open | Not open | 50 |
| | | | | | | |
| Total | 4,482 | 5,934 | 6,558 | 5,040 | 4,130 | 1,983 |

* 17/8 day still in progress

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Appendix 4: Testing by DHB and Ethnicity

Note: this is the number of people tested. The numbers in the testing section above are the number of tests done.

| Number of people tested for COVID-19 from 12 August to 15 August 2020 | | | | | | |
|---|----------------------------|-----------------|-------------|--------------|------------|--------------|
| | Prioritised Ethnicity MPAO | | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Unknown | Total |
| Auckland | 955 | 1808 | 2385 | 5988 | 70 | 11206 |
| Bay of Plenty | 486 | 39 | 81 | 1317 | 14 | 1937 |
| Canterbury | 578 | 212 | 517 | 5055 | 59 | 6421 |
| Capital and Coast | 477 | 352 | 389 | 3143 | 43 | 4404 |
| Counties Manukau | 2102 | 5704 | 2372 | 3815 | 73 | 14066 |
| Hawkes Bay | 349 | 46 | 53 | 1030 | 9 | 1487 |
| Hutt Valley | 255 | 126 | 148 | 1021 | 11 | 1561 |
| Lakes | 839 | 83 | 168 | 1017 | 22 | 2129 |
| MidCentral | 331 | 100 | 122 | 1447 | 13 | 2013 |
| Nelson Marlborough | 175 | 44 | 50 | 1417 | 5 | 1691 |
| Northland | 949 | 51 | 72 | 1179 | 6 | 2257 |
| South Canterbury | 35 | 7 | 22 | 452 | 4 | 520 |
| Southern | 349 | 112 | 178 | 3155 | 19 | 3813 |
| Tairāwhiti | 259 | 21 | 14 | 248 | 1 | 543 |
| Taranaki | 274 | 14 | 42 | 851 | 8 | 1189 |
| Waikato | 1600 | 312 | 380 | 3353 | 54 | 5699 |
| Wairarapa | 59 | 9 | 7 | 295 | NA | 370 |
| Waitematā | 1321 | 1201 | 2100 | 7878 | 61 | 12561 |
| West Coast | 16 | 1 | 4 | 132 | 3 | 156 |
| Whanganui | 236 | 23 | 19 | 499 | 3 | 780 |
| Unknown | 389 | 197 | 185 | 1324 | 355 | 2450 |
| Total | 12034 | 1046 | 9308 | 44617 | 833 | 77254 |

| Rate per 1000 people tested for COVID-19 from 12 August to 15 August 2020 | | | | | |
|---|----------------------------|-----------------|-------------|-------------|-------------|
| | Prioritised Ethnicity MPAO | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Total |
| Auckland | 22.0 | 32.2 | 12.7 | 22.9 | 20.4 |
| Bay of Plenty | 8.1 | 8.8 | 4.1 | 8.4 | 8.0 |
| Canterbury | 11.0 | 14.9 | 8.5 | 11.3 | 11.2 |
| Capital and Coast | 13.1 | 15.9 | 7.7 | 14.8 | 13.7 |
| Counties Manukau | 23.6 | 47.5 | 15.7 | 18.2 | 24.7 |
| Hawke's Bay | 8.1 | 7.2 | 5.8 | 9.5 | 8.9 |
| Hutt Valley | 9.8 | 10.8 | 7.9 | 10.8 | 10.4 |
| Lakes | 21.8 | 32.5 | 17.3 | 17.0 | 19.2 |
| MidCentral | 9.1 | 18.0 | 7.9 | 11.7 | 11.1 |
| Nelson Marlborough | 10.9 | 17.8 | 6.7 | 11.3 | 11.1 |
| Northland | 15.6 | 13.6 | 8.7 | 10.8 | 12.4 |
| South Canterbury | 6.6 | 14.3 | 9.3 | 8.7 | 8.7 |
| Southern | 10.4 | 16.3 | 6.9 | 11.8 | 11.4 |
| Tairāwhiti | 10.5 | 18.8 | 12.0 | 11.2 | 11.0 |
| Taranaki | 11.7 | 10.1 | 6.7 | 9.5 | 9.8 |
| Waikato | 16.6 | 23.4 | 8.6 | 12.5 | 13.5 |
| Wairarapa | 7.4 | 10.8 | 5.6 | 8.3 | 8.1 |
| Waitematā | 21.1 | 26.9 | 14.6 | 20.6 | 19.8 |
| West Coast | 4.1 | 4.0 | 4.3 | 4.9 | 4.9 |
| Whanganui | 13.6 | 15.1 | 6.5 | 11.6 | 12.0 |
| Total | 15.5 | 32.7 | 12.1 | 14.4 | 15.6 |

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SITREP 021

Coronavirus disease 2019 (COVID-19)

Issued: **1900 hours 17 August 2020**

Information current at: **1800 hours**

Next SitRep to be sent at: **1100 hours 18 August 2020**

This report provides three-times daily updates on the COVID-19 health system response. New information is denoted by red text.

Please use the single point of contact email covid-19response@health.govt.nz for help / support. Your email will be logged and promptly passed to the appropriate team.

This document is classified IN CONFIDENCE and not for further distribution.

Need to know

- As at **1800** hours there are **8** additional cases since 0900 17 August 2020 (**3 additional since the 1500 sit rep**) and **66** community cases in total as set out in the table below. This total comprises **64** cases linked to the cluster *Auckland Community Cluster August 2020*.
 - Two** of the **66** cases are still under investigation to determine link. The samples from the **s 9(2)(a)** and the MIF worker will be sequenced today with a report expected from ESR at 1800.
- Of the three new confirmed cases reported since 1800 17 August:
 - All are linked to the cluster with epidemiological links with other confirmed cases. One is linked to a church in Auckland.**

| Case Status | Counties Manukau | Waitematā | Auckland | Waikato | Total |
|-------------|---------------------|-----------|----------------|----------|----------------|
| Confirmed | 33 (+2) | 8 | 22 (+1) | 2 | 65 (+3) |
| Probable | 1 | 0 | 0 | 0 | 1 |
| Total | 34 (+2) | 8 | 22 (+1) | 2 | 66 (+3) |

- There have been no new cases at the border since 0900 16 August 2020. In total there are 99 cases that have been detected at the border since the establishment of MIFs/MIQs.
- 71% of confirmed cases are Pacific Peoples with 14% of Maori ethnicity.
- As at 0900 hours there are five cases requiring hospital-level care as follows:
 - s 9(2)(a)** Auckland (Auckland City Hospital) – stable

- s 9(2)(a) [REDACTED] Auckland (Auckland City Hospital) – stable
- s 9(2)(a) [REDACTED] Counties Manukau (Middlemore) – stable
- s 9(2)(a) [REDACTED] Counties Manukau (Middlemore) – stable
- s 9(2)(a) [REDACTED] Counties Manukau (Middlemore) – stable
- 36 cases and 50 close contacts (86 people total) have been transferred to the Jet Park MIQ facility in Auckland.

Health system response

Overall approach

- Our investigation has two main focus areas that run in parallel:
 - **Source attribution** – a focus on investigating the case with the earliest symptom onset date to gather details actions of movements 14 days prior. This will help to understand the possible source of the new outbreak.
 - **Containment** – rigorous case investigation, identification of close contacts and isolation and testing to ensure that chain of transmission is broken.

Investigation: Auckland Community Cluster August 2020

Auckland case investigation updates

Americold (two sites with confirmed cases)

- Currently, there is no evidence confirming environmental transmission into the cold store from food packaging. Results of 4 swabs (three environment and one plastic wrap) have returned weak positives for the virus. Further swabbing is taking place today, and these results are expected in the next 24 hours. Wiri was also swabbed yesterday.
- s 6(b)(i) [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
- The six new close contacts at the Mt Wellington site were identified yesterday afternoon. All six have been tested yesterday and results are still pending.
- Yesterday the CEO of Americold supplied a list of 110 contractors from 58 organisations that visited the Mt Wellington site in the last 14 days. This list is being scoped for close contacts.
- Across the two Americold sites there has been a total of 75 people tested. Of these, 10 are positive 65 are negative and 1 is pending.

- s 9(2)(a) [REDACTED]
[REDACTED]

Finance Now

- 157 of 158 staff at Finance Now have been tested. Five are positive, 147 are negative, and five results are pending. We will follow up on the one remaining staff member and the pending results in the morning.
- 28 of 31 Finance Now family close contacts have been tested. All 28 are negative. We will follow up on the remaining close contacts in the morning.

NZ Post Distribution Centre

- A NZ Post distribution centre is associated with the cluster. An existing case reported on 16 August 2020 is an employee at the distribution centre and worked there while infectious.
- The site is being scoped and 23 workers have been identified as close contacts. The remaining workers at the site will be treated as casual contacts. No updates on this investigation as at 1800 17 August, we are expecting more updates to come in the next 24 hours.

Other Locations

- A church in Auckland associated with a case at Mt Wellington workplace is being scoped. s 9(2)(a) [REDACTED] Several hundred possible contacts have been identified through visitor logs. This is being followed up.
- Two additional churches in Auckland associated with cases are being scoped.
- There are seven educational institutions with associated with confirmed cases and six educational institutions associated with contacts of confirmed or probable cases.
- All staff and residents at the Rydges Hotel in Auckland are going to be retested. This is due to the inability to establish a link to the maintenance worker. Genomic sequencing is being completed with the maintenance worker swab to help determine a link. We will follow up on this investigation in the morning.

Waikato case investigation updates

- The two cases from Waikato are isolating at the Jet Park MIQ facility in Auckland. Communication has been put in place to ensure whanau in Waikato can have easy contact with those in Auckland Jet park.
- One of the cases attends a local polytechnic which has been closed and has undergone a deep clean. Two exposure events at the polytechnic have been scoped as follows:
 - s 9(2)(a) [REDACTED]
[REDACTED]
[REDACTED]

- o s 9(2)(a)

Updates from ESR and wider testing

- Genome sequencing results – the first four cases have been completed and are all consistent with each other. No identical match to any cases in the managed isolation and quarantine samples sequenced has been found. No identical match to any previous cases in New Zealand. Further investigation is ongoing.
- There is a one mutation difference between these samples and the closest genome identified globally to date (reported in May 2020). This very low mutation rate may indicate that the virus has not replicated many times. This may indicate that the virus has transmitted through a small number of people over this time, that this lineage mutates less, or that the virus has been transmitted through means other than person-to-person spread, acknowledging that this requires a degree of environmental persistence that has yet been unobserved.

Contact Tracing

- 1035 (78.5%) close contacts of 1318 confirmed cases reported from 8 August to 14 August have been successfully contacted within 48 hours. Since 11 August 1632 close contacts have been identified. Of these 1,461 of these have been contacted and are self-isolating. The remaining are in the process of being contacted.

| | 14/08/2020 | 15/08/2020 | 16/08/2020 | 17/08/2020 |
|--|--------------|--------------|--------------|-------------------|
| Number of close contacts identified | 1,016 | 1,504 | 1,610 | 1855(+118) |
| Number of close contacts successfully contacted | 797 | 1198 | 1,429 | 1558 (+76) |
| Number of close contacts referred to "finding services"*** | 14 | 68 | 81 | 34 (-39) |
| Number of close contacts awaiting contact | 205 | 238 | 100 | 263 (+81) |

*Contacts loaded into the National Contact Tracing Solution, and managed by either the National Investigation and Tracing Unit or the Public Health Units. **N.B "Finding services" refers to the mechanism the National Close Contact Service uses to find valid contact details for close contacts we do not have the correct contact details for. These services utilise internal Ministry of Health databases along with Police, Customs and Airlines where relevant.

Testing

Swab numbers

- As at 1800 today, the number of swabs collected nationally on 17 August 2020 is summarised as follows:

| Swab Stream | Number of swabs taken |
|----------------|-----------------------|
| Community | 7,076 |
| MIF Staff | 326 |
| MIF Guests | 464 |
| Airport Staff | 391 |
| Maritime Staff | 761 |
| Total | 9,018 |

- Please note the DHBs report swab numbers that are counted at different stages in the testing process, as such this data is likely to change over time.

Lab Testing numbers

- On 16 August 2020 26,014 tests were completed nationally; bringing the total number of tests to 95,251 since (and including) 12 August 2020.
- Testing throughput the last 3 days to 15 August has been 23,846, 23,682, and 26,014 yesterday. A total of 73,542 over the last 3 days. These volumes have been made possible through pooling of samples and hard work of the labs to process.

Testing activity by region

Focus areas:

- There are 39 designated community testing centres in the wider Auckland region. Locations have been identified in partnership with the DHB's Pacific Team. Mobile testing sites are being redeployed to test close contacts as required. A few additional sites are also being scoped for community testing to open early next week.
- As at 1100 hours today there are now 20 testing sites in Auckland City. This includes two sites at Mt Wellington and Blockhouse Bay which are exclusively for close contact testing. Three new community testing centres are in plans to be set up.
- Port and airport workers are continuing to be tested today. Overnight testing was done at the Auckland airport to catch the night workers. The port and operators have been very cooperative, and 2,556 tests have been done at the Auckland port to date.

Healthline updates

- On 16 August there were 4,795 contacts in total through Healthline. Of those calls 2,542 were to the COVID-19 information line.
- On Friday 14 August the demand on 1737 Need to talk? and other mental health services was 9.2% higher than forecast with 640 contacts in total.
- On 16 August the average wait time on the COVID-19 Information Line was 08:59 minutes. This is a decrease in average wait time from 11:43 on 15 August continuing to decrease from 13:58 minutes the day before.
- The main themes yesterday / today:
 - People complaining that they have not had test results back yet.
 - People are starting to delay access to non-COVID-19 related care in Auckland.
 - False media / social media reporting of exposure events is causing unnecessary alarm and concern.
 - People wanting information on how to get out of Auckland for compassionate reasons and get exemptions.
 - The theme of charging people for tests diminished yesterday.
 - Increase in Mental health service lines – anxiety relating to going back into lockdown rather than COVID-19 related anxiety.

Logistics

Health Workforce

- Health Workforce are working closely with ARPHS around a request for public health clinicians to support the response in Auckland, as well as workforce support for contact tracing.
- Health Workforce are working with DHBs to investigate the feasibility of establishing a micro-credential for swabbing to expand capacity. It is envisaged the Kaiāwhina workforce will be used.
- Health Workforce is continuing to work with all 20 DHBs to understand their workforce needs, identify any gaps and provide support where possible.

Health Supply

- 30,000 swabs are expected to be distributed today with a further 30,000 tomorrow.
- It is expected that 100,000 swabs will arrive by the end of the week.

Hospital Capacity

- As at 1000 17 August 2020, ICU and HDU bed, ventilators, and ward beds are summarised as follows:

| Type | Number of Units | Number Occupied / in use |
|------------------|-----------------|--------------------------|
| ICU and HDU Beds | 307 | 154 (50.2%) |
| Ventilators | 248 | 25 (10.1%) |
| Ward Beds | 5879 | 4419 (75.2%) |

Appendix 1: Case summary

All cases reported in the community since 1800 16 August 2020 (all cases reported today are highlighted in red)

[illegible]

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| | | | | | | | | | | | |
|--------------------------|------------|------------|------------|--------------------------|------------|--------------------------|------------|------------|------------|--------------------------|--|
| s 9(2)(a) [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] [REDACTED] |
| [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] |
| [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] [REDACTED] |
| [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] [REDACTED] [REDACTED] |
| [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] [REDACTED] [REDACTED] |

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s 9(2)(a)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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APPENDIX: 3

NRHCC Testing Report Novel Coronavirus (COVID-19) Issued: **1700 17 August 2020**

Key points:

- Regional lab capacity is 7,000 – 8,000 so last four days have exceeded capacity to process and report results in a timely way
- Occupational group for border workers relies on manual data entry which is behind due to significant volume pressure. We are working with agencies to get employee lists to do reconciliations.

Table 1. Metro Auckland Summary Total of Testing for 17 August 2020

| | Community | MIQ staff | MIQ guests | Airport | Maritime port | TOTAL |
|---------------|-----------|--------------|---------------|---------|---------------|-------|
| 1:00pm | 1,983 | 73 | 335 (sch) | 167 | 371 | 2,929 |
| 5:00pm | 4,339 | 141 | 415 | 278 | 607 | 5,780 |

Table 2. Totals tests receipted in a laboratory from 12-17 August 2020, by ethnicity (as at 5pm)

| | Last 24 Hours * | % | Total since 12/8 * | % |
|--------------|--------------------------|-------|-----------------------|-------|
| Asian | 959 | 15.3% | 9542 | 16.0% |

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| | | | | |
|--------------------|-------------|-------|--------------|-------|
| Maori | 986 | 15.8% | 9380 | 15.7% |
| Other | 2555 | 40.9% | 26827 | 44.9% |
| Pacific | 1467 | 23.5% | 13064 | 21.9% |
| Unknown | 284 | 4.5% | 912 | 1.5% |
| Grand Total | 6251 | | 59725 | |

* 17/8 day still in progress

Table 3. Total Tests receipted in a laboratory last 24 hours by site (as at 5pm)

| Ethnicity | CTC | Non-CTC[#] | Total |
|------------------|-------------|----------------------------|--------------|
| Asian | 436 | 523 | 959 |
| Māori | 469 | 517 | 986 |
| Other | 1229 | 1326 | 2555 |
| Pacific | 553 | 914 | 1467 |
| Unknown | 120 | 164 | 284 |
| Total | 2807 | 3444 | 6251 |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

[#] Includes GP clinics, Urgent Care Centres, Designated practices

Table 4. Estimated swabs taken 12-17 August 2020, based on manual site reports at 4pm

| Site | | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08* |
|-------------|--|--------------|--------------|--------------|--------------|--------------|---------------|
|-------------|--|--------------|--------------|--------------|--------------|--------------|---------------|

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IN CONFIDENCE – NOT FOR DISTRIBUTION

| | | | | | | | |
|--------|---------|-------------------|------------|------------|------------|------------|------------|
| MIQ | Staff | 349 | 850 | 575 | 221 | 137 | 141 |
| | Guests | 467 | 458 | 838 | 667 | 542 | 415 |
| | | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 237 | 278 |
| | Port | No testing | 290 | 270 | 510 | 518 | 607 |
| | | | | | | | |

* 17/8 day still in progress

Table 5: Estimated swabs taken at Metro Auckland CTCs, 12-17 August 2020, based on manual site reports at 4pm

| Site | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 * |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------|
| Airport Oaks | Not open | 265 | 409 | 328 | 146 | 192 |
| Auckland Netball Centre | Not open | Not open | Not open | Not open | 192 | 204 |
| Botany CTC | 150 | 270 | 260 | 241 | 230 | 200 |
| Coast to Coast Warkworth | 66 | 92 | 92 | 26 | 25 | 27 |
| Coast to Coast Wellsford | 33 | 68 | 61 | 6 | 19 | 42 |
| Eventfinda Stadium | 134 | 563 | 620 | 320 | 163 | 175 |
| Health New Lynn | 700 | 812 | 550 | 324 | 217 | 391 |
| Henderson | Not open | 288 | 321 | 189 | 142 | 182 |

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IN CONFIDENCE – NOT FOR DISTRIBUTION

| | | | | | | |
|------------------------------|----------|----------|----------|----------|----------|-------|
| Mangere Town Centre | Not open | Not open | 609 | 585 | 554 | 391 |
| Northcare A&M | Not open | Not open | Not open | 115 | 138 | 99 |
| Otara CTC | 556 | 718 | 781 | 603 | 563 | 425 |
| St Lukes | 106 | 309 | 356 | 331 | 171 | 270 |
| Takanini Urgent Care | 231 | 480 | 425 | 410 | 340 | 380 |
| Waiheke Medical Centre | 85 | 87 | 63 | 26 | 51 | 51 |
| Whanau House | 707 | 552 | 570 | 419 | 250 | 370 |
| Whanau Ora - Central | 1,714 | 385 | 400 | 410 | 258 | 204 |
| Whanau Ora - North | | 427 | 333 | 235 | 206 | 158 |
| Whanau Ora - South | | 618 | 708 | 404 | 246 | 305 |
| | | | | | | |
| Waipuna Targeted Site | Not open | Not open | Not open | 19 | 124 | 223 |
| Blockhouse Bay Targeted Site | Not open | Not open | Not open | Not open | Not open | 50 |
| | | | | | | |
| Total | 4,482 | 5,934 | 6,558 | 5,040 | 4,130 | 4,339 |

* 17/8 day still in progress

IN CONFIDENCE – NOT FOR DISTRIBUTION

Appendix 4: Testing by DHB and Ethnicity

Note: this is the number of people tested. The numbers in the testing section above are the number of tests done.

| Number of people tested for COVID-19 from 12 August to 15 August 2020 | | | | | | |
|---|----------------------------|-----------------|-------------|--------------|------------|--------------|
| | Prioritised Ethnicity MPAO | | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Unknown | Total |
| Auckland | 955 | 1808 | 2385 | 5988 | 70 | 11206 |
| Bay of Plenty | 486 | 39 | 81 | 1317 | 14 | 1937 |
| Canterbury | 578 | 212 | 517 | 5055 | 59 | 6421 |
| Capital and Coast | 477 | 352 | 389 | 3143 | 43 | 4404 |
| Counties Manukau | 2102 | 5704 | 2372 | 3815 | 73 | 14066 |
| Hawkes Bay | 349 | 46 | 53 | 1030 | 9 | 1487 |
| Hutt Valley | 255 | 126 | 148 | 1021 | 11 | 1561 |
| Lakes | 839 | 83 | 168 | 1017 | 22 | 2129 |
| MidCentral | 331 | 100 | 122 | 1447 | 13 | 2013 |
| Nelson Marlborough | 175 | 44 | 50 | 1417 | 5 | 1691 |
| Northland | 949 | 51 | 72 | 1179 | 6 | 2257 |
| South Canterbury | 35 | 7 | 22 | 452 | 4 | 520 |
| Southern | 349 | 112 | 178 | 3155 | 19 | 3813 |
| Tairāwhiti | 259 | 21 | 14 | 248 | 1 | 543 |
| Taranaki | 274 | 14 | 42 | 851 | 8 | 1189 |
| Waikato | 1600 | 312 | 380 | 3353 | 54 | 5699 |
| Wairarapa | 59 | 9 | 7 | 295 | NA | 370 |
| Waitemata | 1321 | 1201 | 2100 | 7878 | 61 | 12561 |
| West Coast | 16 | 1 | 4 | 132 | 3 | 156 |
| Whanganui | 236 | 23 | 19 | 499 | 3 | 780 |
| Unknown | 389 | 197 | 185 | 1324 | 355 | 2450 |
| Total | 12034 | 1046 | 9308 | 44617 | 833 | 77254 |

| Rate per 1000 people tested for COVID-19 from 12 August to 15 August 2020 | | | | | |
|---|----------------------------|-----------------|-------------|-------------|-------------|
| | Prioritised Ethnicity MPAO | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Total |
| Auckland | 22.0 | 32.2 | 12.7 | 22.9 | 20.4 |
| Bay of Plenty | 8.1 | 8.8 | 4.1 | 8.4 | 8.0 |
| Canterbury | 11.0 | 14.9 | 8.5 | 11.3 | 11.2 |
| Capital and Coast | 13.1 | 15.9 | 7.7 | 14.8 | 13.7 |
| Counties Manukau | 23.6 | 47.5 | 15.7 | 18.2 | 24.7 |
| Hawke's Bay | 8.1 | 7.2 | 5.8 | 9.5 | 8.9 |
| Hutt Valley | 9.8 | 10.8 | 7.9 | 10.8 | 10.4 |
| Lakes | 21.8 | 32.5 | 17.3 | 17.0 | 19.2 |
| MidCentral | 9.1 | 18.0 | 7.9 | 11.7 | 11.1 |
| Nelson Marlborough | 10.9 | 17.8 | 6.7 | 11.3 | 11.1 |
| Northland | 15.6 | 13.6 | 8.7 | 10.8 | 12.4 |
| South Canterbury | 6.6 | 14.3 | 9.3 | 8.7 | 8.7 |
| Southern | 10.4 | 16.3 | 6.9 | 11.8 | 11.4 |
| Tairāwhiti | 10.5 | 18.8 | 12.0 | 11.2 | 11.0 |
| Taranaki | 11.7 | 10.1 | 6.7 | 9.5 | 9.8 |
| Waikato | 16.6 | 23.4 | 8.6 | 12.5 | 13.5 |
| Wairarapa | 7.4 | 10.8 | 5.6 | 8.3 | 8.1 |
| Waitematā | 21.1 | 26.9 | 14.6 | 20.6 | 19.8 |
| West Coast | 4.1 | 4.0 | 4.3 | 4.9 | 4.9 |
| Whanganui | 13.6 | 15.1 | 6.5 | 11.6 | 12.0 |
| Total | 15.5 | 32.7 | 12.1 | 14.4 | 15.6 |

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**SITREP 022****Coronavirus disease 2019 (COVID-19)****Issued: 1100 hours 18 August 2020****Information current at: 1000 hours****Next SitRep to be sent at: 1500 hours 18 August 2020**

This report provides three-times daily updates on the COVID-19 health system response. New information is denoted by red text.

Please use the single point of contact email covid-19response@health.govt.nz for help / support. Your email will be logged and promptly passed to the appropriate team.

This document is classified IN CONFIDENCE and not for further distribution.

Need to know

- As at 0900 hours there are 13 additional cases since 0900 17 August 2020 (5 additional since the 1900 sit rep) and 71 community cases in total as set out in the table below. This total comprises 69 cases linked to the cluster *Auckland Community Cluster August 2020*.
 - Two of the 71 cases are still under investigation to determine link. The samples from the 2)(a), were sequenced, and they were closely matched with the community cluster. The MIF worker was sequenced, preliminary findings suggest that he is not part of the community cluster. More detailed results, looking for a potential match to other cases, will be completed later today.
- Of the five new confirmed cases reported since 1800 17 August:
All are linked to the cluster with epidemiological links with other confirmed cases.

| Case Status | Counties Manukau | Waitematā | Auckland | Waikato | Total |
|-------------|------------------|-----------|----------|---------|---------|
| Confirmed | 36 (+3) | 8 | 24 (+2) | 2 | 70 (+5) |
| Probable | 1 | 0 | 0 | 0 | 1 |
| Total | 37 (+3) | 8 | 24 (+2) | 2 | 71 (+5) |

- There have been no new cases at the border since 1800 17 August 2020. In total there are 99 cases that have been detected at the border since the establishment of MIFs/MIQs.
- As at 0900 hours there are six cases requiring hospital-level care as follows:

- s 9(2)(a) Auckland (Auckland City Hospital) – stable
- s 9(2)(a) Auckland (Auckland City Hospital) – stable
- There are four cases in Counties Manukau Hospital, and we will provide more information at the next Sit Rep
- 36 cases and 50 close contacts (86 people total) have been transferred to the Jet Park MIQ facility in Auckland.

Health system response

Overall approach

- Our investigation has two main focus areas that run in parallel:
 - **Source attribution** – a focus on investigating the case with the earliest symptom onset date to gather details actions of movements 14 days prior. This will help to understand the possible source of the new outbreak.
 - **Containment** – rigorous case investigation, identification of close contacts and isolation and testing to ensure that chain of transmission is broken.

Investigation: Auckland Community Cluster August 2020

Auckland case investigation updates

Americold (two sites with confirmed cases)

- Across the two Americold sites there has been a total of 75 people tested. Of these, 10 are positive 65 are negative and 1 is pending.
- The six new close contacts at the Mt Wellington site were identified yesterday afternoon. All six have been tested yesterday and results are still pending.
- On 16 August the CEO of Americold supplied a list of 110 contractors from 58 organisations that visited the Mt Wellington site in the last 14 days. This is currently being investigated.

Finance Now

- 157 of 158 staff at Finance Now have been tested. Five are positive, 147 are negative, and five results are pending s 9(2)(a)
- 28 of 31 Finance Now family close contacts have been tested. All 28 are negative.

NZ Post Distribution Centre

- A NZ Post distribution centre is associated with the cluster. An existing case reported on 16 August 2020 is an employee at the distribution centre and worked there while infectious.
- The site is being scoped and 23 workers have been identified as close contacts. The remaining workers at the site will be treated as casual contacts. **No updates on this investigation as at 1000 18 August, we are expecting more updates to come in the next 24 hours.**

Other Locations

- A church in Auckland associated with a case at Mt Wellington workplace is being scoped. **s 9(2)(a)** [REDACTED]
[REDACTED] Several hundred possible contacts have been identified through visitor logs. This is being followed up.
- Two additional churches in Auckland associated with cases are being scoped.
- All staff and residents at the Rydges Hotel in Auckland are going to be retested. This is due to the inability to establish a link to the maintenance worker. Genomic sequencing is being completed with the maintenance worker swab to help determine a link. We will follow up on this investigation in the morning. **Testing will occur from 0900 18 August.**

Waikato case investigation updates

- The two cases from Waikato are isolating at the Jet Park MIQ facility in Auckland. Communication has been put in place to ensure whanau in Waikato can have easy contact with those in Auckland Jet park.
- The first case is a household case. **16 close contacts all tested negative. 22 casual contacts all tested negative.**
- One of the cases attends a local polytechnic which has been closed and has undergone a deep clean. Two exposure events at the polytechnic have been scoped as follows:
 - **s 9(2)(a)** [REDACTED]
[REDACTED]
[REDACTED]
 - **s 9(2)(a)** [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Updates from ESR and wider testing

- Genome sequencing results – the first four cases have been completed and are all consistent with each other. No identical match to any cases in the managed isolation and quarantine samples sequenced has been found. No identical match to any previous cases in New Zealand. Further investigation is ongoing.
- There is a one mutation difference between these samples and the closest genome identified globally to date (reported in May 2020). This very low mutation rate may indicate that the virus has not replicated many times. This may indicate that the virus

has transmitted through a small number of people over this time, that this lineage mutates less, or that the virus has been transmitted through means other than person-to-person spread, acknowledging that this requires a degree of environmental persistence that has yet been unobserved.

Contact Tracing

- Since the 11 August, 1880 close contacts have been identified and recorded in the National Contact Tracing Solution, 1691 of these have been contacted and are self-isolating, and we are in the process of contacting the rest.

| | 15/08/2020 | 16/08/2020 | 17/08/2020 | 18/08/2020 |
|--|--------------|--------------|--------------|--------------|
| Number of close contacts identified | 1,504 | 1,610 | 1,855 | 1,880 |
| Number of close contacts successfully contacted | 1,198 | 1,429 | 1,558 | 1,691 |
| Number of close contacts referred to "finding services"*** | 68 | 81 | 34 | 55 |
| Number of close contacts awaiting contact | 238 | 100 | 263 | 134 |

*Contacts loaded into the National Contact Tracing Solution, and managed by either the National Investigation and Tracing Unit or the Public Health Units. **N.B "Finding services" refers to the mechanism the National Close Contact Service uses to find valid contact details for close contacts we do not have the correct contact details for. These services utilise internal Ministry of Health databases along with Police, Customs and Airlines where relevant.

Testing

Swab numbers

- As at 0930 today, since the last SitRep the number of swabs collected nationally is summarised as follows:
- Please note the DHBs report swab numbers that are counted at different stages in the testing process, as such this data is likely to change over time.

| Swab Stream | Number of swabs taken |
|-------------|-----------------------|
| Community | 2,803 |
| MIF Staff | 48 |
| MIF Guests | 0 |

| | |
|----------------|--------------|
| Airport Staff | 1 |
| Maritime Staff | 188 |
| Total | 3,040 |

Lab Testing numbers

- On 17 August 2020 18,421 tests were completed nationally; bringing the total number of tests to 113,672 since (and including) 12 August 2020.
- Testing throughput the last 3 days to 15 August has been 23,682, 26,014 and 18,421 yesterday. A total of 68,117 over the last 3 days. These volumes have been made possible through pooling of samples and hard work of the labs to process.

Testing activity by region

Focus areas:

- There are 39 designated community testing centres in the wider Auckland region. Locations have been identified in partnership with the DHB's Pacific Team. Mobile testing sites are being redeployed to test close contacts as required. A few additional sites are also being scoped for community testing to open early next week.
- As at 1000 hours today there are now 20 testing sites in Auckland City. This includes two sites at Mt Wellington and Blockhouse Bay which are exclusively for close contact testing. Three new community testing centres are in plans to be set up.

Healthline updates

- On 17 August there were 5,419 contacts in Healthline (and compared to 972 on the same day last year). Of those calls, 3,412 were to the Covid Info line.
- Additional staffing was recalled last night as media messaging unexpectedly created higher than expected volume. This did push out wait times where as they were below 10 minutes for the majority of the day.
- The introduction of self-service text and digital channels on our IVR systems saw 437 people self-serve yesterday.
- The main themes yesterday / today:
 - People complaining that they have not had test results back yet. The level of public anger is increasing in this regard
 - People are starting to delay access to non-covid related care in Auckland

- There is significant confusion around the differences between:
- Close contacts – what they need to do and for how long
- Casual contacts – what they need to do and for how long
- And everyone else in Auckland - being in a form of isolation. Its important this is clarified
- People calling to follow up on exemption requests to MOH
- Some cases of GP charging people for tests outside of Auckland. We are escalating these direct through to PHO CEO's now as they come through.

Logistics

Health Workforce

- All three Auckland metro DHB's are at status YELLOW within the hospital response plan.
- Health Workforce are working closely with ARPHS around a request for public health clinicians to support the response in Auckland, as well as workforce support for contact tracing.
- Health Workforce are working with DHBs to investigate the feasibility of establishing a micro-credential for swabbing to expand capacity. It is envisaged the Kaiāwhina workforce will be used.
- Health Workforce is continuing to work with all 20 DHBs to understand their workforce needs, identify any gaps and provide support where possible.

Health Supply

- 30,000 swabs are expected to be distributed today.
- It is expected that 100,000 swabs will arrive by the end of the week.

Hospital Capacity

- As at 1000 17 August 2020, ICU and HUD bed, ventilators, and ward beds are summarised as follows:

| Type | Number of Units | Number Occupied / in use |
|------------------|-----------------|--------------------------|
| ICU and HDU Beds | 307 | 154 (50.2%) |
| Ventilators | 248 | 25 (10.1%) |
| Ward Beds | 5879 | 4419 (75.2%) |

Appendix 1: Case summary

All cases reported in the community since **0900 18 August**
2020 (all cases reported today are highlighted in red)

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| Case Number | Date Tested Positive | Onset Date | Case Status | DHB | Sex | Age | Ethnicity | Symptoms [Yes/No] | Hosp | Occupation | Source of Transmission |
|----------------------------|----------------------|------------|-------------|------------------|------|----------|-----------|-------------------|--------|------------|--------------------------------------|
| ██████ ██████ | ██████ | ██████ | ██████ | ██████ ██████ | ██ | ███ █ | ██████ | ██████ | ██████ | ██████ | s 9(2)(a) ██████ ██████ ██████ |
| ██████ ██████ | ██████ | ██████ | ██████ | ██████ | ██ | ███ █ | ██████ | ██ | ██████ | ██████ | ██████ ██████ ██████ |
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| ██████ ██████ ██████ | ██████ | ██████ | ██████ | ██████ | ████ | ███ █ | ██████ | ██████ | ██ | ██████ | ██████ ██████ ██████ |
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| ██████ ██████ | ██████ | ██████ | ██████ | ██████ ██████ | ██ | ███ █ | ██████ | ██ | ██ | ██████ | ██████ ██████ ██████ |

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Appendix 2: International case investigations

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APPENDIX: 3

NRHCC Testing Report Novel Coronavirus (COVID-19) Issued: **1000 18 August 2020**

Key points:

- Regional lab capacity is 7,000 – 8,000 so last four days have exceeded capacity to process and report results in a timely way
- Occupational group for border workers relies on manual data entry which is behind due to significant volume pressure. We are working with agencies to get employee lists to do reconciliations.

Table 1. Metro Auckland Summary Total of Testing for 17 August 2020

| | Community | MIQ staff | MIQ guests | Airport | Maritime port | TOTAL |
|---------------|-----------|-----------|------------|---------|---------------|-------|
| 1:00pm | 1,983 | 73 | 335 (sch) | 167 | 371 | 2,929 |
| 5:00pm | 4,339 | 141 | 415 | 278 | 607 | 5,780 |

Table 2. Totals tests receipted in a laboratory from 12-17 August 2020, by ethnicity (as at 5pm)

| | Last 24 Hours* | % | Total since 12/8 * | % |
|--------------|----------------|-------|--------------------|-------|
| Asian | 959 | 15.3% | 9542 | 16.0% |

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| | | | | |
|--------------------|-------------|-------|--------------|-------|
| Maori | 986 | 15.8% | 9380 | 15.7% |
| Other | 2555 | 40.9% | 26827 | 44.9% |
| Pacific | 1467 | 23.5% | 13064 | 21.9% |
| Unknown | 284 | 4.5% | 912 | 1.5% |
| Grand Total | 6251 | | 59725 | |

* 17/8 day still in progress

Table 3. Total Tests receipted in a laboratory last 24 hours by site (as at 5pm)

| Ethnicity | CTC | Non-CTC[#] | Total |
|------------------|-------------|----------------------------|--------------|
| Asian | 436 | 523 | 959 |
| Māori | 469 | 517 | 986 |
| Other | 1229 | 1326 | 2555 |
| Pacific | 553 | 914 | 1467 |
| Unknown | 120 | 164 | 284 |
| Total | 2807 | 3444 | 6251 |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

[#] Includes GP clinics, Urgent Care Centres, Designated practices

Table 4. Estimated swabs taken 12-17 August 2020, based on manual site reports at 4pm

| Site | | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08* |
|-------------|--|--------------|--------------|--------------|--------------|--------------|---------------|
|-------------|--|--------------|--------------|--------------|--------------|--------------|---------------|

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| | | | | | | | |
|--------|---------|-------------------|------------|------------|------------|------------|------------|
| MIQ | Staff | 349 | 850 | 575 | 221 | 137 | 141 |
| | Guests | 467 | 458 | 838 | 667 | 542 | 415 |
| | | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 237 | 278 |
| | Port | No testing | 290 | 270 | 510 | 518 | 607 |
| | | | | | | | |

* 17/8 day still in progress

Table 5: Estimated swabs taken at Metro Auckland CTCs, 12-17 August 2020, based on manual site reports at 4pm

| Site | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08* |
|--------------------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Airport Oaks | Not open | 265 | 409 | 328 | 146 | 192 |
| Auckland Netball Centre | Not open | Not open | Not open | Not open | 192 | 204 |
| Botany CTC | 150 | 270 | 260 | 241 | 230 | 200 |
| Coast to Coast Warkworth | 66 | 92 | 92 | 26 | 25 | 27 |
| Coast to Coast Wellsford | 33 | 68 | 61 | 6 | 19 | 42 |
| Eventfinda Stadium | 134 | 563 | 620 | 320 | 163 | 175 |
| Health New Lynn | 700 | 812 | 550 | 324 | 217 | 391 |
| Henderson | Not open | 288 | 321 | 189 | 142 | 182 |

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| | | | | | | |
|------------------------------|----------|----------|----------|----------|----------|-------|
| Mangere Town Centre | Not open | Not open | 609 | 585 | 554 | 391 |
| Northcare A&M | Not open | Not open | Not open | 115 | 138 | 99 |
| Otara CTC | 556 | 718 | 781 | 603 | 563 | 425 |
| St Lukes | 106 | 309 | 356 | 331 | 171 | 270 |
| Takanini Urgent Care | 231 | 480 | 425 | 410 | 340 | 380 |
| Waiheke Medical Centre | 85 | 87 | 63 | 26 | 51 | 51 |
| Whanau House | 707 | 552 | 570 | 419 | 250 | 370 |
| Whanau Ora - Central | 1,714 | 385 | 400 | 410 | 258 | 204 |
| Whanau Ora - North | | 427 | 333 | 235 | 206 | 158 |
| Whanau Ora - South | | 618 | 708 | 404 | 246 | 305 |
| | | | | | | |
| Waipuna Targeted Site | Not open | Not open | Not open | 19 | 124 | 223 |
| Blockhouse Bay Targeted Site | Not open | Not open | Not open | Not open | Not open | 50 |
| | | | | | | |
| Total | 4,482 | 5,934 | 6,558 | 5,040 | 4,130 | 4,339 |

* 17/8 day still in progress

IN CONFIDENCE – NOT FOR DISTRIBUTION

**SITREP 023****Coronavirus disease 2019 (COVID-19)****Issued: 1500 hours 18 August 2020****Information current at: 1400 hours****Next SitRep to be sent at: 1900 hours 18 August 2020**

This report provides three-times daily updates on the COVID-19 health system response. New information is denoted by red text.

Please use the single point of contact email covid-19response@health.govt.nz for help / support. Your email will be logged and promptly passed to the appropriate team.

This document is classified IN CONFIDENCE and not for further distribution.

Need to know

- As at 1500 hours there are 7 additional cases since 0900 18 August 2020 (2 additional since the 1100 sit rep) and 72 community cases in total as set out in the table below. This total comprises 71 cases linked to the cluster *Auckland Community Cluster August 2020*.
 - One of the 72 cases is still under investigation to determine link. The samples from the 2)(a) were sequenced, and they were closely matched with the community cluster. The MIF worker was sequenced, preliminary findings suggest that he is not part of the community cluster. More detailed results, looking for a potential match to other cases, will be completed later today.
- Of the two new confirmed cases reported since 1100 18 August:
Both are linked to the cluster with epidemiological links with other confirmed cases.

| Case Status | Counties Manukau | Waitematā | Auckland | Waikato | Total |
|-------------|------------------|-----------|----------|---------|---------|
| Confirmed | 38 (+2) | 8 | 24 | 2 | 72 (+2) |
| Probable | 0 | 0 | 0 | 0 | 0 |
| Total | 38 (+2) | 8 | 24 | 2 | 72 (+2) |

- There have been no new cases at the border since 1100 18 August 2020. In total there are 99 cases that have been detected at the border since the establishment of MIFs/MIQs.
- As at 0900 hours there are six cases requiring hospital-level care as follows:

- s 9(2)(a) Auckland (Auckland City Hospital) – stable
- s 9(2)(a) Auckland (Auckland City Hospital) – stable
- There are four cases in Counties Manukau Hospital, and we will provide more information at the next Sit Rep
- 36 cases and 50 close contacts (86 people total) have been transferred to the Jet Park MIQ facility in Auckland.

Health system response

Overall approach

- Our investigation has two main focus areas that run in parallel:
 - **Source attribution** – a focus on investigating the case with the earliest symptom onset date to gather details actions of movements 14 days prior. This will help to understand the possible source of the new outbreak.
 - **Containment** – rigorous case investigation, identification of close contacts and isolation and testing to ensure that chain of transmission is broken.

Investigation: Auckland Community Cluster August 2020

Auckland case investigation updates

Americold (two sites with confirmed cases)

- Across the two Americold sites there has been a total of 75 people tested. Of these, 10 are positive 65 are negative and 1 is pending.
- The six new close contacts at the Mt Wellington site were identified yesterday afternoon. All six have been tested yesterday and results are still pending.
- On 16 August the CEO of Americold supplied a list of 110 contractors from 58 organisations that visited the Mt Wellington site in the last 14 days. This is currently being investigated.

Finance Now

- 157 of 158 staff at Finance Now have been tested. Five are positive, 147 are negative, and five results are pending. s 9(2)(a)
- 28 of 31 Finance Now family close contacts have been tested. All 28 are negative.

NZ Post Distribution Centre

- A NZ Post distribution centre is associated with the cluster. An existing case reported on 16 August 2020 is an employee at the distribution centre and worked there while infectious.

- The site is being scoped and 23 workers have been identified as close contacts. The remaining workers at the site will be treated as casual contacts. No updates on this investigation as at 1000 18 August, we are expecting more updates to come in the next 24 hours.

Other Locations

- A church in Auckland associated with a case at Mt Wellington workplace is being scoped. s 9(2)(a) [REDACTED]
[REDACTED] Several hundred possible contacts have been identified through visitor logs. This is being followed up.
- Two additional churches in Auckland associated with cases are being scoped.
- All staff and residents at the Rydges Hotel in Auckland are going to be retested. This is due to the inability to establish a link to the maintenance worker. Genomic sequencing is being completed with the maintenance worker swab to help determine a link. We will follow up on this investigation in the morning. Testing will occur from 0900 18 August.

Waikato case investigation updates

- The two cases from Waikato are isolating at the Jet Park MIQ facility in Auckland. Communication has been put in place to ensure whanau in Waikato can have easy contact with those in Auckland Jet park.
- The first case is a household case. 16 close contacts all tested negative. 22 casual contacts all tested negative.
- One of the cases attends a local polytechnic which has been closed and has undergone a deep clean. Two exposure events at the polytechnic have been scoped as follows:
 - s 9(2)(a) [REDACTED]
[REDACTED]
[REDACTED]
 - s 9(2)(a) [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Updates from ESR and wider testing

- Genome sequencing results – the first four cases have been completed and are all consistent with each other. No identical match to any cases in the managed isolation and quarantine samples sequenced has been found. No identical match to any previous cases in New Zealand. Further investigation is ongoing.
- There is a one mutation difference between these samples and the closest genome identified globally to date (reported in May 2020). This very low mutation rate may indicate that the virus has not replicated many times. This may indicate that the virus has transmitted through a small number of people over this time, that this lineage mutates less, or that the virus has been transmitted through means other than person-

to-person spread, acknowledging that this requires a degree of environmental persistence that has yet been unobserved.

Contact Tracing

- Since the 11 August, **1,921** close contacts have been identified and recorded in the National Contact Tracing Solution, **1,772** of these have been contacted and are self-isolating, and we are in the process of contacting the rest.

| | 15/08/2020 | 16/08/2020 | 17/08/2020 | 18/08/2020 |
|--|--------------|--------------|--------------|--------------------|
| Number of close contacts identified | 1,504 | 1,610 | 1,855 | 1,921 (+41) |
| Number of close contacts successfully contacted | 1,198 | 1,429 | 1,558 | 1,772 (+81) |
| Number of close contacts referred to "finding services"*** | 68 | 81 | 34 | 47 (-8) |
| Number of close contacts awaiting contact | 238 | 100 | 263 | 102 (-32) |

*Contacts loaded into the National Contact Tracing Solution, and managed by either the National Investigation and Tracing Unit or the Public Health Units. **N.B "Finding services" refers to the mechanism the National Close Contact Service uses to find valid contact details for close contacts we do not have the correct contact details for. These services utilise internal Ministry of Health databases along with Police, Customs and Airlines where relevant.

Testing

Swab numbers

- As at **1400** today, since the last SitRep the number of swabs collected nationally is summarised as follows:
- Please note the DHBs report swab numbers that are counted at different stages in the testing process, as such this data is likely to change over time.

| Swab Stream | Number of swabs taken |
|---------------|-----------------------|
| Community | 5,492 |
| MIF Staff | 178 |
| MIF Guests | 773 |
| Airport Staff | 235 |

| | |
|----------------|--------------|
| Maritime Staff | 250 |
| Total | 6,928 |

Lab Testing numbers

- On 17 August 2020 18,421 tests were completed nationally; bringing the total number of tests to 113,672 since (and including) 12 August 2020.
- Testing throughput the last 3 days to 15 August has been 23,682, 26,014 and 18,421 yesterday. A total of 68,117 over the last 3 days. These volumes have been made possible through pooling of samples and hard work of the labs to process.

Testing activity by region

Focus areas:

- Regional lab capacity is 7,000 – 8,000 so last four days have exceeded capacity to process and report results in a timely way.
- Occupational group for border workers relies on manual data entry which is behind due to significant volume pressure. We are working with agencies to get employee lists to do reconciliations.
- There are 20 testing sites in Auckland City. The volumes of tests have averaged 5,100 tests for the last six days.
- Added testing activity has been developed in the regions, with an additional 19 designated community centres established outside of the Auckland city. These facilities have been collecting approximately 4,300 swabs each day.
- The 20 testing sites in Auckland city together with the 19 designated community centres outside of the city make the 39 designated community centres in the wider Auckland region.

Healthline updates

- On 17 August there were 5,419 contacts in Healthline (and compared to 972 on the same day last year). Of those calls, 3,412 were to the COVID-19 Info line.
- Additional staffing was recalled last night as media messaging unexpectedly created higher than expected volume. This did push out wait times where as they were below 10 minutes for the majority of the day.
- The introduction of self-service text and digital channels on our IVR systems saw 437 people self-serve yesterday.
- The main themes yesterday / today:
 - People complaining that they have not had test results back yet. The level of public anger is increasing in this regard

- People are starting to delay access to non-COVID-19 related care in Auckland
- There is significant confusion around the differences between:
- Close contacts – what they need to do and for how long,
- Casual contacts – what they need to do and for how long.
- And everyone else in Auckland - being in a form of isolation. It is important this is clarified.
- People calling to follow up on exemption requests to MOH.
- Some cases of GP charging people for tests outside of Auckland. We are escalating these direct through to PHO CEO's now as they come through.

Logistics

Health Workforce

- All three Auckland metro DHB's are at status YELLOW within the hospital response plan.
- Micro-credentialing for swabbing is still being scoped at the moment as per the update as to what is achievable and by when. We will have a further update on this later Wednesday
- We have provided names of public health clinicians on the surge database to ARPHS and are working with them on next steps
- We are working with TAS and all 20 GMsHR on workforce needs and issues – an initial data exercise was undertaken last week and we are developing a process whereby regular workforce intelligence information will be provided to Health Workforce, which in turn will be developed in to a regular dashboard. We expect this process to be agreed and in place later this week

Increasing Testing Capacity

- 30,000 swabs are being distributed around the country today. A further 20,000 per day will be available over the next two days. 50,000 swabs arrive Wednesday and 100,000 towards the end of the week.
- s 9(2)(j) [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]

Hospital Capacity

- As at 1000 17 August 2020, ICU and HDU bed, ventilators, and ward beds are summarised as follows:

| Type | Number of Units | Number Occupied / in use |
|------------------|-----------------|--------------------------|
| ICU and HDU Beds | 307 | 154 (50.2%) |
| Ventilators | 248 | 25 (10.1%) |
| Ward Beds | 5879 | 4419 (75.2%) |

Appendix 1: Case summary

All cases reported in the community since **0900 18 August 2020** (new cases reported since the last SitRep are highlighted in red)

| Case Number | Date Tested Positive | Onset Date | Case Status | DHB | Sex | Age | Ethnicity | Symptoms [Yes/No] | Hosp | Occupation | Source of Transmission |
|--------------------------|----------------------|------------|-------------|--------------------------|------------|--------------------------|------------|-------------------|------------|--------------------------|--|
| ██████████ ██████████ | ██████████ | ██████████ | ██████████ | ██████████ ██████████ | ██████████ | ██████████ | ██████████ | ██████████ | ██████████ | ██████████ | s 9(2)(a) ██████████ ██████████ ██████████ |
| ██████████ ██████████ | ██████████ | ██████████ | ██████████ | ██████████ ██████████ | ██████████ | ██████████ ██████████ | ██████████ | ██████████ | ██████████ | ██████████ ██████████ | ██████████ ██████████ ██████████ |
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| | | | | | | | | | | | |
|-------------------------|------------|------------|------------|------------|------------|--------------------------|------------|------------|------------|------------|--|
| s 9(2)(a) [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] [REDACTED] |
|-------------------------|------------|------------|------------|------------|------------|--------------------------|------------|------------|------------|------------|--|

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Appendix 2: International case investigations

s 9(2)(a)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

s 9(2)(a)

[REDACTED]

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APPENDIX: 3

NRHCC Testing Report Novel Coronavirus (COVID-19) Issued: **1400 18 August 2020**

Key points:

- Regional lab capacity is 7,000 – 8,000 so last four days have exceeded capacity to process and report results in a timely way
- Occupational group for border workers relies on manual data entry which is behind due to significant volume pressure. We are working with agencies to get employee lists to do reconciliations.

Table 1. Metro Auckland Summary Total of Testing for 18 August 2020

| | Community | MIQ staff | MIQ guests | Airport | Maritime port | TOTAL |
|---------------|-----------|-----------|------------|---------|---------------|-------|
| 1:00pm | 1,664 | 26 | 625 (sch) | 196 | 60 | 2,571 |
| | | | | | | |

Table 2. Totals tests receipted from 12-18 August 2020, by ethnicity (as at 1pm)

| | Last 24 Hours | % | Total since 12/8* | % |
|--|---------------|---|-------------------|---|
| | | | | |

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| | | | | |
|--------------------|-------------|-------|--------------|-------|
| Asian | 1544 | 17.4% | 11206 | 16.1% |
| Māori | 1391 | 15.7% | 10899 | 15.7% |
| Other | 3411 | 38.4% | 30193 | 43.4% |
| Pacific | 2431 | 27.4% | 16336 | 23.5% |
| Unknown | 101 | 1.1% | 859 | 1.2% |
| Grand Total | 8878 | | 69493 | |

* 18/8 day still in progress

Table 3. Total Tests receipted in last 24 hours by site (as at 1pm)

| Ethnicity | CTC | Non-CTC | Total |
|--------------|-------------|-------------|-------------|
| Asian | 840 | 704 | 1544 |
| Māori | 764 | 627 | 1391 |
| Other | 1819 | 1592 | 3411 |
| Pacific | 1114 | 1317 | 2431 |
| Unknown | 32 | 69 | 101 |
| Total | 4569 | 4309 | 8878 |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

*Includes GP clinics, Urgent Care Centres, Designated practices

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Table 4. Estimated tests taken 12-18 August 2020, based on manual site reports at 12pm

| Site | | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08* |
|--------|---------|------------|-------|-------|-------|-------|-------|-----------------|
| MIQ | Staff | 349 | 850 | 575 | 221 | 137 | 141 | 26 [#] |
| | Guests | 467 | 458 | 838 | 667 | 542 | 415 | 625 (sch) |
| | | | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 237 | 278 | 196 |
| | Port | No testing | 290 | 270 | 510 | 518 | 607 | 60 |
| | | | | | | | | |

* 18/8 day still in progress

[#] Missing reporting from two sites.

Table 5: Estimated tests taken at Metro Auckland CTCs, 12-18 August 2020, based on manual site reports at 12pm

| Site | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08* |
|--------------------------|----------|----------|----------|----------|-------|-------|--------|
| Airport Oaks | Not open | 265 | 409 | 328 | 146 | 192 | 68 |
| Auckland Netball Centre | Not open | Not open | Not open | Not open | 192 | 204 | 80 |
| Botany CTC | 150 | 270 | 260 | 241 | 230 | 200 | 101 |
| Coast to Coast Warkworth | 66 | 92 | 92 | 26 | 25 | 27 | 6 |
| Coast to Coast Wellsford | 33 | 68 | 61 | 6 | 19 | 42 | 7 |
| Eventfinda Stadium | 134 | 563 | 620 | 320 | 163 | 175 | 55 |

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| | | | | | | | |
|------------------------------|----------|----------|----------|----------|----------|-------|-------|
| Health New Lynn | 700 | 812 | 550 | 324 | 217 | 391 | 117 |
| Henderson | Not open | 288 | 321 | 189 | 142 | 182 | 90 |
| Mangere Town Centre | Not open | Not open | 609 | 585 | 554 | 391 | 223 |
| Northcare A&M | Not open | Not open | Not open | 115 | 138 | 125 | 42 |
| Otara CTC | 556 | 718 | 781 | 603 | 563 | 489 | 232 |
| St Lukes | 106 | 309 | 356 | 331 | 171 | 270 | 100 |
| Takanini Urgent Care | 231 | 480 | 425 | 410 | 340 | 380 | 153 |
| Waiheke Medical Centre | 85 | 87 | 63 | 26 | 51 | 51 | 14 |
| Whanau House | 707 | 552 | 570 | 419 | 250 | 396 | 160 |
| Whanau Ora - Central | 1,714 | 385 | 400 | 410 | 258 | 247 | 57 |
| Whanau Ora - North | | 427 | 333 | 235 | 206 | 184 | 30 |
| Whanau Ora - South | | 618 | 708 | 404 | 246 | 347 | 86 |
| | | | | | | | |
| Waipuna Targeted Site | Not open | Not open | Not open | 19 | 124 | 223 | 24 |
| Blockhouse Bay Targeted Site | Not open | Not open | Not open | Not open | Not open | 50 | 19 |
| | | | | | | | |
| Total | 4,482 | 5,934 | 6,558 | 5,040 | 4,130 | 4,566 | 1,664 |

* 18/8 day still in progress

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Appendix 4: Testing by DHB and Ethnicity

Note: this is the number of people tested. The numbers in the testing section above are the number of tests done.

| Number of people tested for COVID-19 from 12 August to 16 August 2020 | | | | | | |
|---|----------------------------|-----------------|---------------|---------------|--------------|---------------|
| | Prioritised Ethnicity MPAO | | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Unknown | Total |
| Auckland | 1,098 | 2,186 | 2,795 | 6,972 | 100 | 13,151 |
| Bay of Plenty | 597 | 51 | 111 | 1,622 | 15 | 2,396 |
| Canterbury | 637 | 239 | 594 | 5,642 | 78 | 7,190 |
| Capital and Coast | 541 | 395 | 460 | 3,561 | 61 | 5,018 |
| Counties Manukau | 2,454 | 6,937 | 2,880 | 4,411 | 97 | 16,779 |
| Hawkes Bay | 416 | 65 | 65 | 1,248 | 13 | 1,807 |
| Hutt Valley | 280 | 151 | 176 | 1,150 | 13 | 1,770 |
| Lakes | 996 | 129 | 194 | 1,242 | 24 | 2,585 |
| MidCentral | 367 | 105 | 131 | 1,576 | 17 | 2,196 |
| Nelson Marlborough | 199 | 55 | 61 | 1,617 | 16 | 1,948 |
| Northland | 1,312 | 78 | 97 | 1,643 | 10 | 3,140 |
| South Canterbury | 67 | 9 | 29 | 672 | 5 | 782 |
| Southern | 408 | 128 | 217 | 3,728 | 32 | 4,513 |
| Tairāwhiti | 287 | 25 | 16 | 277 | 2 | 607 |
| Taranaki | 304 | 16 | 50 | 982 | 10 | 1,362 |
| Waikato | 1,840 | 369 | 466 | 3,854 | 72 | 6,601 |
| Wairarapa | 68 | 10 | 8 | 334 | NA | 420 |
| Waitemata | 1,482 | 1,400 | 2,426 | 8,916 | 77 | 14,301 |
| West Coast | 16 | 1 | 4 | 145 | 3 | 169 |
| Whanganui | 255 | 26 | 20 | 546 | 7 | 854 |
| Missing NHI | 489 | 232 | 222 | 1,635 | 542 | 3,120 |
| Total | 14,113 | 12,607 | 11,022 | 51,773 | 1,194 | 90,709 |

| Rate per 1000 people tested for COVID-19 from 12 August to 16 August 2020 | | | | | |
|---|----------------------------|-----------------|-------------|-------------|-------------|
| | Prioritised Ethnicity MPAO | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Total |
| Auckland | 25.2 | 39.0 | 14.9 | 26.7 | 24.0 |
| Bay of Plenty | 10.0 | 11.5 | 5.7 | 10.3 | 9.9 |
| Canterbury | 12.1 | 16.9 | 9.8 | 12.6 | 12.5 |
| Capital and Coast | 14.8 | 17.8 | 9.2 | 16.7 | 15.6 |
| Counties Manukau | 27.6 | 57.8 | 19.1 | 21.1 | 29.5 |
| Hawkes Bay | 9.6 | 10.1 | 7.1 | 11.6 | 10.8 |
| Hutt Valley | 10.7 | 12.9 | 9.4 | 12.2 | 11.7 |
| Lakes | 25.9 | 50.5 | 19.9 | 20.7 | 23.3 |
| MidCentral | 10.1 | 18.9 | 8.4 | 12.7 | 12.1 |
| Nelson Marlborough | 12.4 | 22.3 | 8.2 | 12.8 | 12.8 |
| Northland | 21.6 | 20.8 | 11.7 | 15.1 | 17.3 |
| South Canterbury | 12.6 | 18.4 | 12.3 | 13.0 | 13.1 |
| Southern | 12.2 | 18.6 | 8.4 | 13.9 | 13.5 |
| Tairāwhiti | 11.6 | 22.4 | 13.7 | 12.5 | 12.3 |
| Taranaki | 13.0 | 11.5 | 8.0 | 10.9 | 11.3 |
| Waikato | 19.1 | 27.7 | 10.6 | 14.3 | 15.6 |
| Wairarapa | 8.5 | 12.0 | 6.4 | 9.4 | 9.2 |
| Waitemata | 23.7 | 31.4 | 16.9 | 23.3 | 22.6 |
| West Coast | 4.1 | 4.0 | 4.3 | 5.4 | 5.3 |
| Whanganui | 14.7 | 17.1 | 6.8 | 12.7 | 13.2 |
| Total | 18.2 | 39.4 | 14.4 | 16.7 | 18.3 |



SITREP 024

Coronavirus disease 2019 (COVID-19)

Issued: **1900 hours 18 August 2020**

Information current at: **1700 hours**

This report provides three-times daily updates on the COVID-19 health system response. New information is denoted by red text.

Please use the single point of contact email covid-19response@health.govt.nz for help / support. Your email will be logged and promptly passed to the appropriate team.

This document is classified IN CONFIDENCE and not for further distribution.

Need to know

- As at **1700** hours there are **9** additional cases since 0900, 18 August 2020 (**2 additional since the 1500 sit rep**) and **74** community cases in total as set out in the table below. This total comprises **73** cases linked to the cluster *Auckland Community Cluster August 2020*.
 - One of the **73** cases is still under investigation to determine link. The samples from the **s 9(2)(a)** were sequenced, and they were closely matched with the community cluster. The MIF worker was sequenced, preliminary findings suggest that he is not part of the community cluster. More detailed results, looking for a potential match to other cases, will be completed later today.
- Of the **two** new confirmed cases reported since **1500** 18 August:
 - Both are linked to the cluster with epidemiological links with other confirmed cases.**

| Case Status | Counties Manukau | Waitematā | Auckland | Waikato | Total |
|-------------|---------------------|-----------|----------------|----------|----------------|
| Confirmed | 38 | 8 | 26 (+2) | 2 | 74 (+2) |
| Probable | 0 | 0 | 0 | 0 | 0 |
| Total | 38 | 8 | 26 (+2) | 2 | 74 (+2) |

- As at 1700 hours there have been no new cases at the border since **1500 18 August 2020**. In total there are 99 cases that have been detected at the border since the establishment of MIFs/MIQs.
- As at **1700** hours there are **seven** cases requiring hospital-level care as follows:
 - s 9(2)(a)** Auckland (Auckland City Hospital) – stable

- s 9(2)(a) Auckland (Auckland City Hospital) – stable
- s 9(2)(a) Counties Manukau (Middlemore Hospital)
- s 9(2)(a) Auckland (Auckland City Hospital)
- s 9(2)(a) Waitemata (North Shore Hospital)
- s 9(2)(a) Counties Manukau (Middlemore Hospital)
- s 9(2)(a) Counties Manukau (Middlemore Hospital)

Health system response

Overall approach

- Our investigation has two main focus areas that run in parallel:
 - **Source attribution** – a focus on investigating the case with the earliest symptom onset date to gather details actions of movements 14 days prior. This will help to understand the possible source of the new outbreak.
 - **Containment** – rigorous case investigation, identification of close contacts and isolation and testing to ensure that chain of transmission is broken.

Investigation: Auckland Community Cluster August 2020

Auckland case investigation updates

Americold (two sites with confirmed cases)

- Across the two Americold sites there has been a total of 75 people tested. Of these, 10 are positive 65 are negative and 1 is pending.
- The six new close contacts at the Mt Wellington site were identified yesterday afternoon. All six have been tested yesterday and results are still pending.
- On 16 August the CEO of Americold supplied a list of 110 contractors from 58 organisations that visited the Mt Wellington site in the last 14 days. **The contractor list is being reconciled with the previously identified close contacts and remains under investigation.**

Finance Now

- 157 of 158 staff at Finance Now have been tested. Five are positive, 147 are negative, and five results are pending. s 9(2)(a)
- 28 of 31 Finance Now family close contacts have been tested. All 28 are negative.

NZ Post Distribution Centre

- A NZ Post distribution centre is associated with the cluster. An existing case reported on 16 August 2020 is an employee at the distribution centre and worked there while infectious.
- The site is being scoped and 23 workers have been identified as close contacts. The remaining workers at the site will be treated as casual contacts. No updates on this investigation as at 1000 18 August, we are expecting more updates to come in the next 24 hours.

Other Locations

- A church in Auckland associated with a case at Mt Wellington workplace is being scoped. **s 9(2)(a)** **[REDACTED]** Several hundred possible contacts have been identified through visitor logs. This is being followed up.
- Two additional churches in Auckland associated with cases are being scoped.
- All staff and residents at the Rydges Hotel in Auckland are going to be retested. This is due to the inability to establish a link to the maintenance worker. **All **s 9(2)(a)** household contacts of the maintenance worker have tested negative, all **s 9(2)(a)** work close contacts have been ordered for testing. We will report on the results of the testing as it is reported. A possible link to a confirmed case (guest) has been re-interviewed and no connection is evident.**

Waikato case investigation updates

- The two cases from Waikato are isolating at the Jet Park MIQ facility in Auckland.
- **Two sites have been investigated. Throughout the investigation of the educational institution and associated households all 24 close contacts have been tested and returned negative results. These individuals are still in self isolation, awaiting day 12 testing. All 117 casual contacts have tested negative.**

Updates from ESR and wider testing

- **Environmental sampling and testing has been completed for COVID-19 at the Mount Wellington and Wiri Americold sites by ESR.**
- **SARS-CoV-2 was detected at very low levels in gauze swabs taken from the Mount Wellington site in areas that were likely to be touch zones for Americold employees who have tested positive for COVID-19.**
- **Detected levels were too low to allow sequencing of the virus, so genomic analysis and comparison to the genomes of cases that worked at Americold was not possible. No SARS-CoV-2 was detected on any internal packaging sampled. No SARS-CoV-2 was detected at the Wiri site.**

Contact Tracing

- **Over the last seven days **78.2%** of close contacts have been contacted within 48hrs of being determined to be a contact.**

- Since the 11 August, 1,967 close contacts have been identified and recorded in the National Contact Tracing Solution, 1,827 of these have been contacted and are self-isolating, and we are in the process of contacting the rest.

| | 15/08/2020 | 16/08/2020 | 17/08/2020 | 18/08/2020 |
|--|--------------|--------------|--------------|--------------------|
| Number of close contacts identified | 1,504 | 1,610 | 1,855 | 1,967 (+46) |
| Number of close contacts successfully contacted | 1,198 | 1,429 | 1,558 | 1,827 (+55) |
| Number of close contacts referred to "finding services"*** | 68 | 81 | 34 | 34 (-13) |
| Number of close contacts awaiting contact | 238 | 100 | 263 | 106 (+4) |

*Contacts loaded into the National Contact Tracing Solution, and managed by either the National Investigation and Tracing Unit or the Public Health Units. **N.B "Finding services" refers to the mechanism the National Close Contact Service uses to find valid contact details for close contacts we do not have the correct contact details for. These services utilise internal Ministry of Health databases along with Police, Customs and Airlines where relevant.

Testing

Swab numbers

- As at 1800 today, since the last SitRep, the number of swabs collected nationally is summarised as follows:

| Swab Stream | Number of swabs taken |
|----------------|-----------------------|
| Community | 7,012 |
| MIF Staff | 269 |
| MIF Guests | 773 |
| Airport Staff | 340 |
| Maritime Staff | 322 |
| Total | 8,716 |

Please note the DHBs report swab numbers at different stages in the testing process, as such this data is likely to change over time.

Lab Testing numbers

- On 18 August 2020 8,716 tests were completed nationally; bringing the total number of tests to 122,388 since (and including) 12 August 2020. This does not include lab testing data from Southern for 18 August. Canterbury and Waikato did not provide volumes from 1400 onwards.

Testing activity by region

Focus areas:

- There are 20 testing sites in Auckland City. The volumes of tests have averaged 5,100 tests for the last six days.
- Added testing activity has been developed in the regions, with an additional 19 designated community centres established outside of the Auckland city. These facilities have been collecting approximately 4,300 swabs each day.
- The 20 testing sites in Auckland city together with the 19 designated community centres outside of the city make the 39 designated community centres in the wider Auckland region.

Healthline updates

- On 17 August there were 5,419 contacts in Healthline (and compared to 972 on the same day last year). Of those calls, 3,412 were to the COVID-19 Info line.
- Additional staffing was recalled last night as media messaging unexpectedly created higher than expected volume. This did push out wait times where as they were below 10 minutes for the majority of the day.
- The introduction of self-service text and digital channels on our IVR systems saw 437 people self-serve yesterday.
- The main themes yesterday / today:
 - People complaining that they have not had test results back yet. The level of public anger is increasing in this regard
 - People are starting to delay access to non-COVID-19 related care in Auckland
 - There is significant confusion around the differences between:
 - Close contacts – what they need to do and for how long,
 - Casual contacts – what they need to do and for how long.
 - And everyone else in Auckland - being in a form of isolation. It is important this is clarified.
 - People calling to follow up on exemption requests to MOH.
 - Some cases of GP charging people for tests outside of Auckland. We are escalating these direct through to PHO CEO's now as they come through.

Logistics

Health Workforce

- Micro-credentialing for swabbing is still being scoped at the moment as per the update as to what is achievable and by when. We will have a further update on this later Wednesday
- We have provided names of public health clinicians on the surge database to ARPHS and are working with them on next steps
- We are working with TAS and all 20 GMsHR on workforce needs and issues – an initial data exercise was undertaken last week and we are developing a process whereby regular workforce intelligence information will be provided to Health Workforce, which in turn will be developed in to a regular dashboard. We expect this process to be agreed and in place later this week

Increasing Testing Capacity

- 30,000 swabs are being distributed around the country today. A further 20,000 per day will be available over the next two days. 50,000 swabs arrive Wednesday and 100,000 towards the end of the week.
- s 9(2)(j) [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
- [REDACTED]
[REDACTED]

Hospital Capacity

- As at 0900 18 August 2020, ICU and HDU bed, ventilators, and ward beds are summarised as follows:

| Type | Number of Units | Number Occupied / in use |
|------------------|-----------------|--------------------------|
| ICU and HDU Beds | 346 | 185 (53.5%) |
| Ventilators | 285 | 26 (9.1%) |
| Ward Beds | 7,015 | 5,552 (79.1%) |

Appendix 1: Case summary

All cases reported in the community since **0900 18 August 2020** (new cases reported since the last SitRep are highlighted in red)

| Case Number | Date Tested Positive | Onset Date | Case Status | DHB | Sex | Age | Ethnicity | Symptoms [Yes/No] | Hosp | Occupation | Source of Transmission |
|------------------|----------------------|------------|-------------|------------------|--------|------------------|---|-------------------|--------|------------------|--------------------------------------|
| ██████ ██████ | ██████ | ██████ | ██████ | ██████ | ██████ | ██████ ██████ | § 9(2)(a) ██████ ██████ ██████ | ██████ | ██████ | ██████ | ██████ ██████ |
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Appendix 2: International case investigations

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APPENDIX: 3

NRHCC Testing Report Novel Coronavirus (COVID-19) Issued: **1700 18 August 2020**

Key points:

- Regional lab capacity is 7,000 – 8,000 so last four days have exceeded capacity to process and report results in a timely way
- Occupational group for border workers relies on manual data entry which is behind due to significant volume pressure. We are working with agencies to get employee lists to do reconciliations.

Table 1. Metro Auckland Summary Total of Testing for 18 August 2020

| | Community | MIQ staff | MIQ guests | Airport | Maritime port | TOTAL |
|---------------|-----------|-----------|------------|---------|---------------|-------|
| 1:00pm | 1,664 | 26 | 625 (sch) | 196 | 60 est | 2,571 |
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Table 2. Totals tests receipted from 12-18 August 2020, by ethnicity (as at 5pm)

| | Last 24 Hours | % | Total since 12/8* | % |
|-------|---------------|-------|-------------------|-------|
| Asian | 1225 | 16.5% | 11399 | 16.1% |
| Māori | 1192 | 16.1% | 11153 | 15.7% |

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|--------------------|-------------|-------|--------------|-------|
| Other | 2678 | 36.1% | 30619 | 43.2% |
| Pacific | 2121 | 28.6% | 16794 | 23.7% |
| Unknown | 209 | 2.8% | 978 | 1.4% |
| Grand Total | 7425 | | 70943 | |

* 18/8 day still in progress

Table 3. Total Tests receipted in last 24 hours by site (as at 5pm)

| Ethnicity | CTC | Non-CTC | Total |
|--------------|-------------|-------------|-------------|
| Asian | 659 | 566 | 1225 |
| Māori | 705 | 487 | 1192 |
| Other | 1516 | 1162 | 2678 |
| Pacific | 1095 | 1026 | 2121 |
| Unknown | 80 | 129 | 209 |
| Total | 4055 | 3370 | 7425 |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

*Includes GP clinics, Urgent Care Centres, Designated practices

Table 4. Estimated tests taken 12-18 August 2020, based on manual site reports at 4pm

| Site | | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08* |
|------|-------|-------|-------|-------|-------|-------|-------|--------|
| MIQ | Staff | 349 | 850 | 575 | 221 | 137 | 141 | 117 |

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|--------|---------|-------------------|------------|------------|------------|------------|------------|------------------|
| | Guests | 467 | 458 | 838 | 667 | 542 | 415 | 625 (sch) |
| | | | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 237 | 278 | 301 |
| | Port | No testing | 290 | 270 | 510 | 518 | 607 | 34 |
| | | | | | | | | |

* 18/8 day still in progress

Table 5: Estimated tests taken at Metro Auckland CTCs, 12-18 August 2020, based on manual site reports at 4pm

| Site | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08* |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Airport Oaks | Not open | 265 | 409 | 328 | 146 | 192 | 123 |
| Auckland Netball Centre | Not open | Not open | Not open | Not open | 192 | 204 | 201 |
| Botany CTC | 150 | 270 | 260 | 241 | 230 | 200 | 205 |
| Coast to Coast Warkworth | 66 | 92 | 92 | 26 | 25 | 27 | 22 |
| Coast to Coast Wellsford | 33 | 68 | 61 | 6 | 19 | 42 | 15 |
| Eventfinda Stadium | 134 | 563 | 620 | 320 | 163 | 175 | 112 |
| Health New Lynn | 700 | 812 | 550 | 324 | 217 | 391 | 265 |
| Henderson | Not open | 288 | 321 | 189 | 142 | 182 | 125 |
| Mangere Town Centre | Not open | Not open | 609 | 585 | 554 | 391 | 376 |

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|------------------------------|----------|----------|----------|----------|----------|-------|-------|
| Northcare A&M | Not open | Not open | Not open | 115 | 138 | 125 | 78 |
| Otara CTC | 556 | 718 | 781 | 603 | 563 | 489 | 413 |
| St Lukes | 106 | 309 | 356 | 331 | 171 | 270 | 180 |
| Takanini Urgent Care | 231 | 480 | 425 | 410 | 340 | 380 | 287 |
| Waiheke Medical Centre | 85 | 87 | 63 | 26 | 51 | 51 | 20 |
| Whanau House | 707 | 552 | 570 | 419 | 250 | 396 | 390 |
| Whanau Ora - Central | 1,714 | 385 | 400 | 410 | 258 | 247 | 175 |
| Whanau Ora - North | | 427 | 333 | 235 | 206 | 184 | 102 |
| Whanau Ora - South | | 618 | 708 | 404 | 246 | 347 | 277 |
| | | | | | | | |
| Waipuna Targeted Site | Not open | Not open | Not open | 19 | 124 | 223 | 43 |
| Blockhouse Bay Targeted Site | Not open | Not open | Not open | Not open | Not open | 50 | 44 |
| | | | | | | | |
| Total | 4,482 | 5,934 | 6,558 | 5,040 | 4,130 | 4,566 | 3,453 |

* 18/8 day still in progress

Appendix 4: Testing by DHB and Ethnicity

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Note: this is the number of people tested. The numbers in the testing section above are the number of tests done.

| Number of people tested for COVID-19 from 12 August to 16 August 2020 | | | | | | |
|---|----------------------------|-----------------|---------------|---------------|--------------|---------------|
| | Prioritised Ethnicity MPAO | | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Unknown | Total |
| Auckland | 1,098 | 2,186 | 2,795 | 6,972 | 100 | 13,151 |
| Bay of Plenty | 597 | 51 | 111 | 1,622 | 15 | 2,396 |
| Canterbury | 637 | 239 | 594 | 5,642 | 78 | 7,190 |
| Capital and Coast | 541 | 395 | 460 | 3,561 | 61 | 5,018 |
| Counties Manukau | 2,454 | 6,937 | 2,880 | 4,411 | 97 | 16,779 |
| Hawkes Bay | 416 | 65 | 65 | 1,248 | 13 | 1,807 |
| Hutt Valley | 280 | 151 | 176 | 1,150 | 13 | 1,770 |
| Lakes | 996 | 129 | 194 | 1,242 | 24 | 2,585 |
| MidCentral | 367 | 105 | 131 | 1,576 | 17 | 2,196 |
| Nelson Marlborough | 199 | 55 | 61 | 1,617 | 16 | 1,948 |
| Northland | 1,312 | 78 | 97 | 1,643 | 10 | 3,140 |
| South Canterbury | 67 | 9 | 29 | 672 | 5 | 782 |
| Southern | 408 | 128 | 217 | 3,728 | 32 | 4,513 |
| Tairāwhiti | 287 | 25 | 16 | 277 | 2 | 607 |
| Taranaki | 304 | 16 | 50 | 982 | 10 | 1,362 |
| Waikato | 1,840 | 369 | 466 | 3,854 | 72 | 6,601 |
| Wairarapa | 68 | 10 | 8 | 334 | NA | 420 |
| Waitemata | 1,482 | 1,400 | 2,426 | 8,916 | 77 | 14,301 |
| West Coast | 16 | 1 | 4 | 145 | 3 | 169 |
| Whanganui | 255 | 26 | 20 | 546 | 7 | 854 |
| Missing NHI | 489 | 232 | 222 | 1,635 | 542 | 3,120 |
| Total | 14,113 | 12,607 | 11,022 | 51,773 | 1,194 | 90,709 |

| Rate per 1000 people tested for COVID-19 from 12 August to 16 August 2020 | | | | | |
|---|----------------------------|-----------------|-------------|-------------|-------------|
| | Prioritised Ethnicity MPAO | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Total |
| Auckland | 25.2 | 39.0 | 14.9 | 26.7 | 24.0 |
| Bay of Plenty | 10.0 | 11.5 | 5.7 | 10.3 | 9.9 |
| Canterbury | 12.1 | 16.9 | 9.8 | 12.6 | 12.5 |
| Capital and Coast | 14.8 | 17.8 | 9.2 | 16.7 | 15.6 |
| Counties Manukau | 27.6 | 57.8 | 19.1 | 21.1 | 29.5 |
| Hawkes Bay | 9.6 | 10.1 | 7.1 | 11.6 | 10.8 |
| Hutt Valley | 10.7 | 12.9 | 9.4 | 12.2 | 11.7 |
| Lakes | 25.9 | 50.5 | 19.9 | 20.7 | 23.3 |
| MidCentral | 10.1 | 18.9 | 8.4 | 12.7 | 12.1 |
| Nelson Marlborough | 12.4 | 22.3 | 8.2 | 12.8 | 12.8 |
| Northland | 21.6 | 20.8 | 11.7 | 15.1 | 17.3 |
| South Canterbury | 12.6 | 18.4 | 12.3 | 13.0 | 13.1 |
| Southern | 12.2 | 18.6 | 8.4 | 13.9 | 13.5 |
| Tairāwhiti | 11.6 | 22.4 | 13.7 | 12.5 | 12.3 |
| Taranaki | 13.0 | 11.5 | 8.0 | 10.9 | 11.3 |
| Waikato | 19.1 | 27.7 | 10.6 | 14.3 | 15.6 |
| Wairarapa | 8.5 | 12.0 | 6.4 | 9.4 | 9.2 |
| Waitemata | 23.7 | 31.4 | 16.9 | 23.3 | 22.6 |
| West Coast | 4.1 | 4.0 | 4.3 | 5.4 | 5.3 |
| Whanganui | 14.7 | 17.1 | 6.8 | 12.7 | 13.2 |
| Total | 18.2 | 39.4 | 14.4 | 16.7 | 18.3 |



SITREP 025

Coronavirus disease 2019 (COVID-19)

Issued: **1030 hours 19 August 2020**

Information current at: **0900 hours**

This report provides three-times daily updates on the COVID-19 health system response. New information is denoted by red text.

Please use the single point of contact email covid-19response@health.govt.nz for help / support. Your email will be logged and promptly passed to the appropriate team.

This document is classified IN CONFIDENCE and not for further distribution.

Need to know

- As at **0900** hours there are **6** additional cases since **0900 18 August 2020**, including **5** in the community and one in managed isolation.
- There are **75** community cases in total as set out in the table below. This total comprises **74** cases linked to the cluster *Auckland Community Cluster August 2020*. One of the **74** cases is still under investigation to determine link.
- Of the **six** new confirmed cases reported since **0900 18 August**:
Five are linked to the cluster with epidemiological links with other confirmed cases, one is under investigation to determine a link.

| Case Status | Counties Manukau | Waitematā | Auckland | Waikato | Total |
|-------------|------------------|---------------|----------------|----------|----------------|
| Confirmed | 38 (+2) | 9 (+1) | 26 (+2) | 2 | 75 (+5) |
| Probable | 0 | 0 | 0 | 0 | 0 |
| Total | 38 (+2) | 9 (+1) | 26 (+2) | 2 | 75 (+5) |

- As at **0900 19 August** there is **one new imported case**. In total there are **100** cases that have been detected at the border since the establishment of MIFs/MIQs.
- As of **0830 19 August** there are **five** people in hospital:
 - One in Auckland City Hospital (stable)
 - Four in Middlemore Hospital (Three stable, one being assessed for ICU)

Health system response

Overall approach

- Our investigation has two main focus areas that run in parallel:
 - **Source attribution** – a focus on investigating the case with the earliest symptom onset date to gather details actions of movements 14 days prior. This will help to understand the possible source of the new outbreak.
 - **Containment** – rigorous case investigation, identification of close contacts and isolation and testing to ensure that chain of transmission is broken.

Investigation: Auckland Community Cluster August 2020

Auckland case investigation updates

Americold (two sites with confirmed cases)

- Across the two Americold sites there has been a total of 76 people tested. Of these, 10 are positive 66 are negative. There is one result that is still outstanding.
- The contractor list is being reconciled with the previously identified close contacts and remains under investigation. Education for businesses around COVID-19 reporting is required to ensure rapid contact tracing.

Finance Now

- 157 of 158 staff at Finance Now have been tested. Five are positive, 147 are negative, and five results are pending. s 9(2)(a)
- 31 of 31 Finance Now family close contacts have all tested negative.

NZ Post Distribution Centre

- As at 0900, four NZ Post close contacts have tested negative. 190 possible contacts (not defined as close or casual) will be tested today.
- A NZ Post distribution centre is associated with the cluster. An existing case reported on 16 August 2020 is an employee at the distribution centre and worked there while infectious.

Other Locations

- Several hundred possible contacts from an Auckland church has been identified through visitor logs. This is being followed up.
- Two additional churches in Auckland associated with cases are being scoped.
- All staff and residents at the Rydges Hotel in Auckland are going to be retested. This is due to the inability to establish a link to the maintenance worker. All s 9(2)(a) household contacts of the maintenance worker have tested negative, all s 9(2)(a) work close contacts

have been ordered for testing. We will report on the results of the testing as it is reported. A possible link to a confirmed case (guest) has been re-interviewed and no connection is evident.

Waikato case investigation updates

- The two cases from Waikato are isolating at the Jet Park MIQ facility in Auckland.
- Two sites have been investigated. Throughout the investigation of the educational institution and associated households all 24 close contacts have been tested and returned negative results. These individuals are still in self isolation, awaiting day 12 testing. All 117 casual contacts have tested negative.

Updates from ESR and wider testing

- Environmental sampling and testing has been completed for COVID-19 at the Mount Wellington and Wiri Americold sites by ESR.
- SARS-CoV-2 was detected at very low levels in gauze swabs take from the Mount Wellington site in areas that were likely to be touch zones for Americold employees who have tested positive for COVID-19.
- Detected levels were too low to allow sequencing of the virus, so genomic analysis and comparison to the genomes of cases that worked at Americold was not possible. No SARS-CoV-2 was detected on any internal packaging sampled. No SARS-CoV-2 was detected at the Wiri site.

Contact Tracing

- Over the period 10 – 16 August **78.8%** (1,218 of 1,546) of close contacts have been contacted within 48 hrs of being determined to be a contact.
- Since the 11 August, **1,983** close contacts have been identified and recorded in the National Contact Tracing Solution, **1,861** of these have been contacted and are self-isolating, and we are in the process of contacting the rest.

| | 16/08/2020 | 17/08/2020 | 18/08/2020 | 19/08/2020 |
|--|--------------|--------------|--------------|--------------|
| Number of close contacts identified | 1,610 | 1,855 | 1,967 | 1,983 |
| Number of close contacts successfully contacted | 1,429 | 1,558 | 1,827 | 1,861 |
| Number of close contacts referred to "finding services"*** | 81 | 34 | 34 | 39 |
| Number of close contacts awaiting contact | 100 | 263 | 106 | 83 |

*Contacts loaded into the National Contact Tracing Solution, and managed by either the National Investigation and Tracing Unit or the Public Health Units. **N.B "Finding services" refers to the mechanism the National Close Contact Service uses to find valid contact details

for close contacts we do not have the correct contact details for. These services utilise internal Ministry of Health databases along with Police, Customs and Airlines where relevant.

Testing

Swab numbers

- As at 1000 19 August, the number of swabs collected nationally for today is summarised as follows:

| Swab Stream | Number of swabs taken |
|----------------|-----------------------|
| Community | 694 |
| MIF Staff | 265 |
| MIF Guests | 0 |
| Airport Staff | 19 |
| Maritime Staff | 8 |
| Total | 986 |

Please note the DHBs report swab numbers at different stages in the testing process, as such this data is likely to change over time.

Lab Testing numbers

- For 18 August 2020 23,038 lab tests were completed nationally; bringing the total number of tests to 136,710 since (and including) 12 August 2020.

Testing activity by region

Focus areas:

- There are 20 testing sites in Auckland City. The volumes of tests have averaged 5,100 tests for the last six days.
- Added testing activity has been developed in the regions, with an additional 19 designated community centres established outside of the Auckland city. These facilities have been collecting approximately 4,300 swabs each day.
- The 20 testing sites in Auckland city together with the 19 designated community centres outside of the city make the 39 designated community centres in the wider Auckland region.

Healthline updates

- On 18 August we had 4,675 contacts in Healthline (compared to 921 on the same day last year). Of those calls, 2,841 were to the Covid Info line. On Friday, demand on 1737 Need to talk? and other mental health services was 628 contacts (7.2% higher than forecast and compared to 440 on the same day last year).
- Note our NCTS outbound work trends / statistics are reported directly through to NCTS for inclusion in their Sit Rep. Wait times were well managed with no wait time for most of the day. We had a couple of surges through media identifying new places of interest which saw the wait time creep out to circa 21 minutes at one point.
- The introduction of self-service text and digital channels on our IVR systems saw 219 people self-serve yesterday. More than half the people were wanting information on Auckland testing sites.
- The main themes yesterday / today:
 - People are delaying access to care for non-COVID related symptoms. We have also had reports that people are afraid to enter Auckland hospitals – key messages that reinforce that COVID patients in hospital are isolated rather than “on wards” could help reduce this.
 - Yesterday we saw a new trend around racism in the public (earlier in this event we saw racism directed to the pacific community and south Auckland residents) yesterday we took a number of calls where anger and racist remarks were made relating to the Chinese community for being the origin of the virus.
 - There has been a lot of public messaging saying that “asymptomatic people don’t need testing” - the general public doesn’t appear to widely understand what the term asymptomatic means. We suggest that we flip the testing message to say “you should get a test if XYZ...” this will also ensure that asymptomatic border / MIF workers understand they can be tested.
 - People complaining that they have not had test results back yet. False media / social media reporting of exposure events is causing unnecessary alarm and concern. People wanting information on how to get out of Auckland for compassionate reasons and get exemptions. Increase in Mental health service lines – anxiety relating to going back into lockdown rather than COVID related anxiety

Logistics

Health Workforce

- Micro-credentialing for swabbing is still being scoped at the moment as per the update as to what is achievable and by when. We will have a further update on this later Wednesday
- We have provided names of public health clinicians on the surge database to ARPHS and are working with them on next steps

- We are working with TAS and all 20 GMsHR on workforce needs and issues – an initial data exercise was undertaken last week and we are developing a process whereby regular workforce intelligence information will be provided to Health Workforce, which in turn will be developed in to a regular dashboard. We expect this process to be agreed and in place later this week

Increasing Testing Capacity

- 50,000 swabs arrive today and 100,000 towards the end of the week.
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Hospital Capacity

- As at 0800 19 August 2020, ICU and HDU bed, ventilators, and ward beds are summarised as follows:

| Type | Number of Units | Number Occupied / in use |
|------------------|-----------------|--------------------------|
| ICU and HDU Beds | 321 | 179 (55.8%) |
| Ventilators | 272 | 34 (12.5%) |
| Ward Beds | 6,721 | 5,344 (79.5%) |

Appendix 1: Case summary

All cases reported in the community since **0900 18 August 2020** (new cases reported since the last SitRep are highlighted in red)

| Case Number | Date Tested Positive | Onset Date | Case Status | DHB | Sex | Age | Ethnicity | Symptoms [Yes/No] | Hosp | Occupation | Source of Transmission |
|--------------------------|----------------------|------------|-------------|--------------------------|------------|--------------------------|---------------------------------------|-------------------|------------|--------------------------|--|
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| Ethnicity | CTC | Non-CTC | Total |
|--------------|-------------|-------------|-------------|
| Asian | 659 | 566 | 1225 |
| Māori | 705 | 487 | 1192 |
| Other | 1516 | 1162 | 2678 |
| Pacific | 1095 | 1026 | 2121 |
| Unknown | 80 | 129 | 209 |
| Total | 4055 | 3370 | 7425 |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

*Includes GP clinics, Urgent Care Centres, Designated practices

Table 4. Estimated tests taken 12-18 August 2020, based on manual site reports at 4pm

| Site | | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08* |
|------|-------|-------|-------|-------|-------|-------|-------|--------|
| MIQ | Staff | 349 | 850 | 575 | 221 | 137 | 141 | 117 |

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| | | | | | | | | |
|--------|---------|-------------------|------------|------------|------------|------------|------------|------------------|
| | Guests | 467 | 458 | 838 | 667 | 542 | 415 | 625 (sch) |
| | | | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 237 | 278 | 301 |
| | Port | No testing | 290 | 270 | 510 | 518 | 607 | 34 |
| | | | | | | | | |

* 18/8 day still in progress

Table 5: Estimated tests taken at Metro Auckland CTCs, 12-18 August 2020, based on manual site reports at 4pm

| Site | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08* |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Airport Oaks | Not open | 265 | 409 | 328 | 146 | 192 | 123 |
| Auckland Netball Centre | Not open | Not open | Not open | Not open | 192 | 204 | 201 |
| Botany CTC | 150 | 270 | 260 | 241 | 230 | 200 | 205 |
| Coast to Coast Warkworth | 66 | 92 | 92 | 26 | 25 | 27 | 22 |
| Coast to Coast Wellsford | 33 | 68 | 61 | 6 | 19 | 42 | 15 |
| Eventfinda Stadium | 134 | 563 | 620 | 320 | 163 | 175 | 112 |
| Health New Lynn | 700 | 812 | 550 | 324 | 217 | 391 | 265 |
| Henderson | Not open | 288 | 321 | 189 | 142 | 182 | 125 |
| Mangere Town Centre | Not open | Not open | 609 | 585 | 554 | 391 | 376 |

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| | | | | | | | |
|------------------------------|----------|----------|----------|----------|----------|-------|-------|
| Northcare A&M | Not open | Not open | Not open | 115 | 138 | 125 | 78 |
| Otara CTC | 556 | 718 | 781 | 603 | 563 | 489 | 413 |
| St Lukes | 106 | 309 | 356 | 331 | 171 | 270 | 180 |
| Takanini Urgent Care | 231 | 480 | 425 | 410 | 340 | 380 | 287 |
| Waiheke Medical Centre | 85 | 87 | 63 | 26 | 51 | 51 | 20 |
| Whanau House | 707 | 552 | 570 | 419 | 250 | 396 | 390 |
| Whanau Ora - Central | 1,714 | 385 | 400 | 410 | 258 | 247 | 175 |
| Whanau Ora - North | | 427 | 333 | 235 | 206 | 184 | 102 |
| Whanau Ora - South | | 618 | 708 | 404 | 246 | 347 | 277 |
| | | | | | | | |
| Waipuna Targeted Site | Not open | Not open | Not open | 19 | 124 | 223 | 43 |
| Blockhouse Bay Targeted Site | Not open | Not open | Not open | Not open | Not open | 50 | 44 |
| | | | | | | | |
| Total | 4,482 | 5,934 | 6,558 | 5,040 | 4,130 | 4,566 | 3,453 |

* 18/8 day still in progress

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Appendix 4: Testing by DHB and Ethnicity

Note: this is the number of people tested. The numbers in the testing section above are the number of tests done.

| Number of people tested for COVID-19 from 12 August to 16 August 2020 | | | | | | |
|---|----------------------------|-----------------|---------------|---------------|--------------|---------------|
| | Prioritised Ethnicity MPAO | | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Unknown | Total |
| Auckland | 1,098 | 2,186 | 2,795 | 6,972 | 100 | 13,151 |
| Bay of Plenty | 597 | 51 | 111 | 1,622 | 15 | 2,396 |
| Canterbury | 637 | 239 | 594 | 5,642 | 78 | 7,190 |
| Capital and Coast | 541 | 395 | 460 | 3,561 | 61 | 5,018 |
| Counties Manukau | 2,454 | 6,937 | 2,880 | 4,411 | 97 | 16,779 |
| Hawkes Bay | 416 | 65 | 65 | 1,248 | 13 | 1,807 |
| Hutt Valley | 280 | 151 | 176 | 1,150 | 13 | 1,770 |
| Lakes | 996 | 129 | 194 | 1,242 | 24 | 2,585 |
| MidCentral | 367 | 105 | 131 | 1,576 | 17 | 2,196 |
| Nelson Marlborough | 199 | 55 | 61 | 1,617 | 16 | 1,948 |
| Northland | 1,312 | 78 | 97 | 1,643 | 10 | 3,140 |
| South Canterbury | 67 | 9 | 29 | 672 | 5 | 782 |
| Southern | 408 | 128 | 217 | 3,728 | 32 | 4,513 |
| Tairāwhiti | 287 | 25 | 16 | 277 | 2 | 607 |
| Taranaki | 304 | 16 | 50 | 982 | 10 | 1,362 |
| Waikato | 1,840 | 369 | 466 | 3,854 | 72 | 6,601 |
| Wairarapa | 68 | 10 | 8 | 334 | NA | 420 |
| Waitemata | 1,482 | 1,400 | 2,426 | 8,916 | 77 | 14,301 |
| West Coast | 16 | 1 | 4 | 145 | 3 | 169 |
| Whanganui | 255 | 26 | 20 | 546 | 7 | 854 |
| Missing NHI | 489 | 232 | 222 | 1,635 | 542 | 3,120 |
| Total | 14,113 | 12,607 | 11,022 | 51,773 | 1,194 | 90,709 |

| Rate per 1000 people tested for COVID-19 from 12 August to 16 August 2020 | | | | | |
|---|----------------------------|-----------------|-------------|-------------|-------------|
| | Prioritised Ethnicity MPAO | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Total |
| Auckland | 25.2 | 39.0 | 14.9 | 26.7 | 24.0 |
| Bay of Plenty | 10.0 | 11.5 | 5.7 | 10.3 | 9.9 |
| Canterbury | 12.1 | 16.9 | 9.8 | 12.6 | 12.5 |
| Capital and Coast | 14.8 | 17.8 | 9.2 | 16.7 | 15.6 |
| Counties Manukau | 27.6 | 57.8 | 19.1 | 21.1 | 29.5 |
| Hawkes Bay | 9.6 | 10.1 | 7.1 | 11.6 | 10.8 |
| Hutt Valley | 10.7 | 12.9 | 9.4 | 12.2 | 11.7 |
| Lakes | 25.9 | 50.5 | 19.9 | 20.7 | 23.3 |
| MidCentral | 10.1 | 18.9 | 8.4 | 12.7 | 12.1 |
| Nelson Marlborough | 12.4 | 22.3 | 8.2 | 12.8 | 12.8 |
| Northland | 21.6 | 20.8 | 11.7 | 15.1 | 17.3 |
| South Canterbury | 12.6 | 18.4 | 12.3 | 13.0 | 13.1 |
| Southern | 12.2 | 18.6 | 8.4 | 13.9 | 13.5 |
| Tairāwhiti | 11.6 | 22.4 | 13.7 | 12.5 | 12.3 |
| Taranaki | 13.0 | 11.5 | 8.0 | 10.9 | 11.3 |
| Waikato | 19.1 | 27.7 | 10.6 | 14.3 | 15.6 |
| Wairarapa | 8.5 | 12.0 | 6.4 | 9.4 | 9.2 |
| Waitemata | 23.7 | 31.4 | 16.9 | 23.3 | 22.6 |
| West Coast | 4.1 | 4.0 | 4.3 | 5.4 | 5.3 |
| Whanganui | 14.7 | 17.1 | 6.8 | 12.7 | 13.2 |
| Total | 18.2 | 39.4 | 14.4 | 16.7 | 18.3 |

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SITREP 026

Coronavirus disease 2019 (COVID-19)

Issued: **1030 hours 20 August 2020**

Information current at: **0900 hours**

This report provides a daily update on the COVID-19 health system response. New information is denoted by red text.

Please use the single point of contact email covid-19response@health.govt.nz for help / support. Your email will be logged and promptly passed to the appropriate team.

This document is classified IN CONFIDENCE and not for further distribution.

Need to know

Total number of active cases: 101

Total number of cases in the community since (and including) 12th August: 80

New cases last 24 hours (9am 19th to 9am 20th): 5

Estimated recovered: 0

Total number of cases detected from people coming through the border, since (and including 9th June): 101

New cases last 24 hours: 0

Estimated recovered: 80

Estimated active: 21

Total number of tests processed 19 August: 18,091

Total number of tests processed since (and including) 12th August: 154,801

Detail:

- As at 0900 hours there are **five** additional cases since 0900 19 August 2020, **all from the community**.
- **There are 80** community cases in total as set out in the table below. This total comprises **79** cases linked to the cluster *Auckland Community Cluster August 2020*. One of the cases is still under investigation to determine link. **More detail on this case is provided below.**
- Of the **five** new confirmed cases reported since 0900 19 August:
Five are linked to the cluster with epidemiological links with other confirmed cases.

| Case Status | Counties Manukau | Waitematā | Auckland | Waikato | Total |
|-------------|------------------|-----------|----------|---------|---------|
| Confirmed | 38 | 12 (+3) | 27 (+1) | 3 (+1) | 80 (+5) |
| Probable | 0 | 0 | 0 | 0 | 0 |
| Total | 38 | 12 (+3) | 27 (+1) | 3 (+1) | 80 (+5) |

- As at 0900 19 August there are no new cases detected at the border. In total there are 101 cases that have been detected at the border since the establishment of MIFs/MIQs.
- As of 1000 19 August there are six people in hospital:
 - One in Auckland City Hospital (stable)
 - Four in Middlemore Hospital (three stable, one in ICU)
 - One in Waikato Hospital (stable)

s 9(2)(a)

Health system response

Overall approach

- Our investigation has two main focus areas that run in parallel:
 - Source attribution** – a focus on investigating the case with the earliest symptom onset date to gather details actions of movements 14 days prior. This will help to understand the possible source of the new outbreak.
 - Containment** – rigorous case investigation, identification of close contacts and isolation and testing to ensure that chain of transmission is broken.

Investigation: Auckland Community Cluster August 2020

Auckland case investigation updates

Americold (two sites with confirmed cases)

- Across the two Americold sites there has been a total of 76 people tested. Of these, 10 are positive, 66 are negative.
- The remaining community case under investigation is from Auckland. The case works in a retail store in St Lukes Mall. The case tested positive for COVID-19 on 18 August 2020, and has been in isolation since then. There is no known link to the current community outbreak. Genomic sequencing is being undertaken to establish whether s 9(2)(a) is linked

to the outbreak. We expect the results of this investigation to be available tomorrow (21 August).

- The contractor list is being reconciled with the previously identified close contacts and remains under investigation. Education for businesses around COVID-19 reporting is required to ensure rapid contact tracing.

Finance Now

- 158 of 158 staff at Finance Now have been tested. Five are positive, 147 are negative, and six results are pending.
- 31 of 31 Finance Now family close contacts have all tested negative.¹

NZ Post Distribution Centre

- Four NZ Post close contacts have tested negative. 190 possible contacts (not defined as close or casual) were tested 19 August.
- A NZ Post distribution centre is associated with the cluster. An existing case reported on 16 August 2020 is an employee at the distribution centre and worked there while infectious.

Other Locations

- Several hundred possible contacts from an Auckland churches have been identified, details below:
 - Church one: 51 of the 88 close contacts have been tested, results pending.
 - Church two: 69 of the 81 contacts (close/casual to be determined) have recorded a test, results pending.
 - Church three: A list of congregational members could not be provided at this time, however on-site testing has been offered. More information is being sought, and will be provided as it becomes available.
 - Church four: 50 of the 54 contacts (close/casual to be determined) have recorded a test, results pending.
 - Church five: members of the church have been identified as casual contacts and are not required to be tested, but members have been offered testing.
- All staff and residents at the Rydges Hotel in Auckland are going to be retested. This is due to the inability to establish a link to the maintenance worker. All s 9(2)(a) household contacts of the maintenance worker have tested negative, all s 9(2)(a) work close contacts have been ordered for testing. We will report on the results of the testing as it is reported. A possible link to a confirmed case (guest) has been re-interviewed and no connection is evident.

¹ Contact Testing Results Table 0830, 20 August 20

Waikato case investigation updates

- A close household contact of the two existing cases from Tokoroa tested positive for COVID-19 on August the 19th. [REDACTED] has been in isolation at home since 12th August, the date when the two existing cases tested positive. s 9(2)(a) [REDACTED]
[REDACTED] The remaining household contact of the existing Tokoroa cases is isolating at home and has returned two negative results.²

Updates from ESR and wider testing

- Environmental sampling and testing has been completed for COVID-19 at the Mount Wellington and Wiri Americold sites by ESR.
- SARS-CoV-2 was detected at very low levels in gauze swabs take from the Mount Wellington site in areas that were likely to be touch zones for Americold employees who have tested positive for COVID-19.
- Detected levels were too low to allow sequencing of the virus, so genomic analysis and comparison to the genomes of cases that worked at Americold was not possible. No SARS-CoV-2 was detected on any internal packaging sampled. No SARS-CoV-2 was detected at the Wiri site.

Contact Tracing

- Over the period 11 – 17 August 79.3% (1,263 of 1,292) of close contacts have been contacted within 48 hrs of being determined to be a contact.³
- Since the 11 August, 1,996 close contacts have been identified and recorded in the National Contact Tracing Solution, 1,921 of these have been contacted and are self-isolating, and we are in the process of contacting the rest.

| | 17/08/2020 | 18/08/2020 | 19/08/2020 | 20/08/2020 |
|--|--------------|--------------|--------------|-------------------|
| Number of close contacts identified | 1,855 | 1,967 | 1,983 | 1,996 (+5) |
| Number of close contacts successfully contacted | 1,558 | 1,827 | 1,861 | 1,921 (+18) |
| Number of close contacts referred to "finding services"*** | 34 | 34 | 39 | 37 (-4) |
| Number of close contacts awaiting contact | 263 | 106 | 83 | 38 (-39) |

*Contacts loaded into the National Contact Tracing Solution, and managed by either the National Investigation and Tracing Unit or the Public Health Units. **N.B "Finding services" refers to the mechanism the National Close Contact Service uses to find valid contact details

² Waikato PHU Phone call, 0830 20 August 20

³ Contact Tracing Update, 0930 20 August 20

for close contacts we do not have the correct contact details for. These services utilise internal Ministry of Health databases along with Police, Customs and Airlines where relevant.

Testing

Lab Testing numbers

- For 19 August 2020 18,091 lab tests were completed nationally; bringing the total number of tests to 154,801 since (and including) 12 August 2020.⁴

Testing activity by region

Focus areas:

- There are 20 testing sites in Auckland City. The volumes of tests have averaged 5,100 tests for the last six days.
- Added testing activity has been developed in the regions, with an additional 19 designated community centres established outside of the Auckland city. These facilities have been collecting approximately 4,300 swabs each day.
- The 20 testing sites in Auckland city together with the 19 designated community centres outside of the city make the 39 designated community centres in the wider Auckland region.

Healthline updates

- On 19 August we had 4,221 contacts in Healthline (compared to 1,036 on the same day last year). Of those calls, 2,519 were to the Covid Info line. On 19 August demand on 1737 Need to talk? and other mental health services was 718 contacts (22.5% higher than forecast and compared to 452 on the same day last year).
- Wait times were well managed with no wait time for most of the day. We had a couple of surges through media identifying new places of interest which saw the wait time creep out to circa 15 minutes at one point in time. Average wait time on On 19 August for the COVID info line was 02:06 minutes.
- The introduction of self-service text and digital channels on our IVR systems saw 202 people self-serve yesterday. More than half the people were wanting information on Auckland testing sites.⁵
- The main themes yesterday / today:

⁴ Daily Laboratory Operations Report, 09.15 20 August 2020

⁵ National Telehealth Service Coronavirus Update, 0930 20 August 20

- People are delaying access to care for non-covid related symptoms. We also continued to have reports that people are afraid to enter the Auckland hospitals – key messages that reinforce that COVID patients in hospital are isolated rather “than on wards” could help reduce this.
- On 19 August we continued to see the new trend around racism in the public (earlier in this event we saw racism directed to the pacific community and south Auckland residents) yesterday we took a number of calls where anger and racist remarks were made relating to the Chinese community for being the origin of the virus.
- Many people called about not getting any response to their application on exemptions who are providing essential services or have compassionate reasons, some of them waited for more than 5 days.
- People in self isolation calling to confirm their obligations.
- People complaining that they have not had test results back yet.
- People struggling with the requirement by some airline/countries on receiving a negative test result before flight because now it takes longer than 96 hours to have the result back.
- False media / social media reporting of exposure events is causing unnecessary alarm and concern.

Logistics

Health Workforce

- Upskilling of alternative workforces for testing continues to be progressed including plans for a training package (testing) and scoping of micro-credentialing, in addition to understanding where this workforce would be obtained from.
- We have provided names of public health clinicians on the surge database to ARPHS. We will continue to provide support to the requests received. One public health doctor has offered support to ARPHS.
- We are working with TAS and all 20 GMsHR on workforce needs and issues.
- s 9(2)(g)(i) [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

⁶ Programme Director, Health Workforce Directorate

Hospital Capacity

- As at 0800 20 August 2020, ICU and HDU bed, ventilators, and ward beds are summarised as follows:

| Type | Number of Units | Number Occupied / in use |
|------------------|-----------------|--------------------------|
| ICU and HDU Beds | 355 | 216 (60.8%) |
| Ventilators | 279 | 54 (19.4%) |
| Ward Beds | 7,303 | 5,603 (76.75%) |

Appendix 1: Case summary

All cases reported in the community over the period 0900 19th August to 0900 20th August

| Case Number | Date Tested Positive | Onset Date | Case Status | DHB | Sex | Age | Ethnicity | Symptoms [Yes/No] | Hosp | Occupation | Source of Transmission |
|------------------|----------------------|------------|-------------|--------|--------|-----------|------------------|-------------------|--------|------------------|--------------------------------------|
| ██████ ██████ | ██████ | ██████ | ██████ | ██████ | ██ | ███ ██ | ██████ ██████ | ██ | ██████ | ██████ | s 9(2)(a) ██████ ██████ ██████ |
| ██████ ██████ | ██████ | ██████ | ██████ | ██████ | ██████ | ███ ██ | ██████ ██████ | ██ | ██ | ██████ ██████ | ██████ ██████ ██████ |
| ██████ ██████ | ██████ | ██████ | ██████ | ██████ | ██████ | ███ ██ | ██████ ██████ | ██████ | ██ | ██████ | ██████ ██████ ██████ |
| ██████ ██████ | ██████ | ██████ | ██████ | ██████ | ██████ | ███ ██ | ██████ ██████ | ██ | ██ | ██████ ██████ | ██████ ██████ ██████ |
| ██████ ██████ | ██████ | ██████ | ██████ | ██████ | ██ | ███ ██ | ██████ | ██ | ██ | ██████ | ██████ ██████ ██████ |

Appendix 2: International case investigations

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[REDACTED]

[REDACTED]

[REDACTED]

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APPENDIX: 3

NRHCC Testing Report Novel Coronavirus (COVID-19) Issued: **1700 19 August 2020**

Key points:

- Regional lab capacity is 7,000 – 8,000 so testing continue to exceed capacity to process and report results in a timely way
- Occupational group for border workers relies on manual data entry which is behind due to significant volume pressure. We are working with agencies to get employee lists to do reconciliations.

Table 1. Metro Auckland Summary Total of Testing for 19 August 2020

| | Community | MIQ staff | MIQ guests | Airport | Maritime port | TOTAL |
|---------------|-----------|-----------|------------|---------|---------------|-------|
| 1:00pm | 897 | 19 | 600 (sch) | 111 | 14 | 1641 |
| 5:00pm | 2358 | 41 | 600 | 173 | 14* | 3186 |

* note the Port site closed mid-morning due to poor weather

Table 2. Totals tests receipted from 12-19 August 2020, by ethnicity (as at 5pm)

| | Last 24 Hours | % | Total since 12/8* | % |
|-------|---------------|-------|-------------------|-------|
| Asian | 803 | 17.4% | 13549 | 16.4% |

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| | | | | |
|--------------------|-------------|--------------|--------------|-------|
| Māori | 800 | 17.4% | 12998 | 15.7% |
| Other | 1449 | 31.5% | 35225 | 42.5% |
| Pacific | 1439 | 31.2% | 19957 | 24.1% |
| Unknown | 115 | 2.5% | 1119 | 1.4% |
| Grand Total | 4606 | 17.4% | 82848 | |

* 19/8 day still in progress

Table 3. Total Tests receipted in last 24 hours by site (as at 5pm)

| Ethnicity | CTC | Non-CTC | Total |
|--------------|-------------|-------------|-------------|
| Asian | 582 | 221 | 803 |
| Māori | 484 | 316 | 800 |
| Other | 893 | 556 | 1449 |
| Pacific | 849 | 590 | 1439 |
| Unknown | 61 | 54 | 115 |
| Total | 2869 | 1737 | 4606 |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

*Includes GP clinics, Urgent Care Centres, Designated practices

Table 4. Estimated tests taken 12-19 August 2020, based on manual site reports at 4pm

| Site | | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08 | 19/08* |
|------|--|-------|-------|-------|-------|-------|-------|-------|--------|
|------|--|-------|-------|-------|-------|-------|-------|-------|--------|

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| | | | | | | | | | |
|--------|---------|-------------------|------------|------------|------------|------------|------------|------------|------------|
| MIQ | Staff | 349 | 850 | 575 | 221 | 137 | 141 | 117 | 41 |
| | Guests | 467 | 458 | 838 | 667 | 542 | 415 | 625 | 600 |
| | | | | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 237 | 278 | 301 | 173 |
| | Port | No testing | 290 | 270 | 510 | 518 | 607 | 34 | 14 |
| | | | | | | | | | |

* 19/8 day still in progress

Table 5: Estimated tests taken at Metro Auckland CTCs, 12-19 August 2020, based on manual site reports at 4pm

| Site | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08 | 19/08* |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Airport Oaks | Not open | 265 | 409 | 328 | 146 | 192 | 123 | 49 |
| Auckland Netball Centre | Not open | Not open | Not open | Not open | 192 | 204 | 231 | 244 |
| Botany CTC | 150 | 270 | 260 | 241 | 230 | 200 | 205 | 135 |
| Coast to Coast Warkworth | 66 | 92 | 92 | 26 | 25 | 27 | 22 | 17 |
| Coast to Coast Wellsford | 33 | 68 | 61 | 6 | 19 | 42 | 15 | 26 |
| Eventfinda Stadium | 134 | 563 | 620 | 320 | 163 | 175 | 112 | 64 |
| Health New Lynn | 700 | 812 | 550 | 324 | 217 | 391 | 265 | 165 |
| Henderson | Not open | 288 | 321 | 189 | 142 | 182 | 125 | 87 |

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| | | | | | | | | |
|------------------------------|----------|----------|----------|----------|----------|-------|-------|-------|
| Mangere Town Centre | Not open | Not open | 609 | 585 | 554 | 391 | 374 | 245 |
| Northcare A&M | Not open | Not open | Not open | 115 | 138 | 125 | 68 | 61 |
| Otara CTC | 556 | 718 | 781 | 603 | 563 | 489 | 429 | 239 |
| St Lukes | 106 | 309 | 356 | 331 | 171 | 270 | 180 | 151 |
| Takanini Urgent Care | 231 | 480 | 425 | 410 | 340 | 380 | 287 | 180 |
| Waiheke Medical Centre | 85 | 87 | 63 | 26 | 51 | 51 | 20 | 31 |
| Whanau House | 707 | 552 | 570 | 419 | 250 | 396 | 306 | 185 |
| Whanau Ora - Central | 1,714 | 385 | 400 | 410 | 258 | 247 | 201 | 115 |
| Whanau Ora - North | | 427 | 333 | 235 | 206 | 184 | 102 | 100 |
| Whanau Ora - South | | 618 | 708 | 404 | 246 | 347 | 312 | 200 |
| | | | | | | | | |
| Waipuna Targeted Site | Not open | Not open | Not open | 19 | 124 | 223 | 43 | 43 |
| Blockhouse Bay Targeted Site | Not open | Not open | Not open | Not open | Not open | 50 | 44 | 21 |
| | | | | | | | | |
| Total | 4,482 | 5,934 | 6,558 | 5,040 | 4,130 | 4,566 | 3,466 | 2,358 |

* 19/8 day still in progress

IN CONFIDENCE – NOT FOR DISTRIBUTION

IN CONFIDENCE – NOT FOR DISTRIBUTION

Appendix 4: Testing by DHB and Ethnicity

Note: this is the number of people tested. The numbers in the testing section above are the number of tests done.

| Number of people tested for COVID-19 from 12 August to 19 August 2020 | | | | | | |
|---|----------------------------|-----------------|-------------|--------------|------------|--------------|
| | Prioritised Ethnicity MPAO | | | | | |
| DHB/Domicile | Māori | Pacific Peoples | Asian | Other | Unknown | Total |
| Auckland | 955 | 1808 | 2385 | 5988 | 70 | 11206 |
| Bay of Plenty | 486 | 39 | 81 | 1317 | 14 | 1937 |
| Canterbury | 578 | 212 | 517 | 5055 | 59 | 6421 |
| Capital and Coast | 477 | 352 | 389 | 3143 | 43 | 4404 |
| Counties Manukau | 2102 | 5704 | 2372 | 3815 | 73 | 14066 |
| Hawkes Bay | 349 | 46 | 53 | 1030 | 9 | 1487 |
| Hutt Valley | 255 | 126 | 148 | 1021 | 11 | 1561 |
| Lakes | 839 | 83 | 168 | 1017 | 22 | 2129 |
| MidCentral | 331 | 100 | 122 | 1447 | 13 | 2013 |
| Nelson Marlborough | 175 | 44 | 50 | 1417 | 5 | 1691 |
| Northland | 949 | 51 | 72 | 1179 | 6 | 2257 |
| South Canterbury | 35 | 7 | 22 | 452 | 4 | 520 |
| Southern | 349 | 112 | 178 | 3155 | 19 | 3813 |
| Tairāwhiti | 259 | 21 | 14 | 248 | 1 | 543 |
| Taranaki | 274 | 14 | 42 | 851 | 8 | 1189 |
| Waikato | 1600 | 312 | 380 | 3353 | 54 | 5699 |
| Wairarapa | 59 | 9 | 7 | 295 | NA | 370 |
| Waitemata | 1321 | 1201 | 2100 | 7878 | 61 | 12561 |
| West Coast | 16 | 1 | 4 | 132 | 3 | 156 |
| Whanganui | 236 | 23 | 19 | 499 | 3 | 780 |
| Unknown | 389 | 197 | 185 | 1324 | 355 | 2450 |
| Total | 12034 | 1046 | 9308 | 44617 | 833 | 77254 |

| Rate per 1000 people tested for COVID-19 from 12 August to 1 August 2020 | | | | | |
|--|----------------------------|-----------------|-------------|-------------|-------------|
| | Prioritised Ethnicity MPAO | | | | |
| DHB/Domicile | Māori | Pacific Peoples | Asian | Other | Total |
| Auckland | 22.0 | 32.2 | 12.7 | 22.9 | 20.4 |
| Bay of Plenty | 8.1 | 8.8 | 4.1 | 8.4 | 8.0 |
| Canterbury | 11.0 | 14.9 | 8.5 | 11.3 | 11.2 |
| Capital and Coast | 13.1 | 15.9 | 7.7 | 14.8 | 13.7 |
| Counties Manukau | 23.6 | 47.5 | 15.7 | 18.2 | 24.7 |
| Hawke's Bay | 8.1 | 7.2 | 5.8 | 9.5 | 8.9 |
| Hutt Valley | 9.8 | 10.8 | 7.9 | 10.8 | 10.4 |
| Lakes | 21.8 | 32.5 | 17.3 | 17.0 | 19.2 |
| MidCentral | 9.1 | 18.0 | 7.9 | 11.7 | 11.1 |
| Nelson Marlborough | 10.9 | 17.8 | 6.7 | 11.3 | 11.1 |
| Northland | 15.6 | 13.6 | 8.7 | 10.8 | 12.4 |
| South Canterbury | 6.6 | 14.3 | 9.3 | 8.7 | 8.7 |
| Southern | 10.4 | 16.3 | 6.9 | 11.8 | 11.4 |
| Tairāwhiti | 10.5 | 18.8 | 12.0 | 11.2 | 11.0 |
| Taranaki | 11.7 | 10.1 | 6.7 | 9.5 | 9.8 |
| Waikato | 16.6 | 23.4 | 8.6 | 12.5 | 13.5 |
| Wairarapa | 7.4 | 10.8 | 5.6 | 8.3 | 8.1 |
| Waitematā | 21.1 | 26.9 | 14.6 | 20.6 | 19.8 |
| West Coast | 4.1 | 4.0 | 4.3 | 4.9 | 4.9 |
| Whanganui | 13.6 | 15.1 | 6.5 | 11.6 | 12.0 |
| Total | 15.5 | 32.7 | 12.1 | 14.4 | 15.6 |

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**SITREP 027****Coronavirus disease 2019 (COVID-19)****Issued: 0930 hours 21 August 2020****Information current at: 0800 hours**

This report provides a daily update on the COVID-19 health system response. New information is denoted by red text.

Please use the single point of contact email covid-19response@health.govt.nz for help / support. Your email will be logged and promptly passed to the appropriate team.

This document is classified IN CONFIDENCE and not for further distribution.

Need to know

Total number of active cases: 112**Total number of cases in the community since (and including) 12th August: 89**

New cases last 23 hours (9am 20th to 8am 21st): 9

Estimated recovered: 0

Total number of cases detected from people coming through the border, since (and including) 9th June: 102

New cases last 23 hours: 2

Estimated recovered: 79

Estimated active: 23

Total number of tests processed 20 August: 15,714

Tests completed last 7 days: (14th to 20th August): 148,806

Total tests completed to date: 673,220

Overall total number of cases in New Zealand

| | Active | Recovered | Deceased | Total |
|--------------|------------------|-----------------|---------------|-------------------|
| Confirmed | 112 (+11) | 1186 | 17 | 1315 (+11) |
| Probable | 0 | 345 | 5 | 350 |
| Total | 112 (+11) | 1531 (-) | 22 (-) | 1665 (+11) |

Detail:

- There are 89 community cases in total as set out in the table below. This total comprises 87 cases linked to the cluster *Auckland Community Cluster August 2020*. Two of the cases are still under investigation to determine a link. One case under investigation was found to be linked to the current outbreak using genome sequencing on 20th August, but is still under investigation to determine the source of exposure.
- One case reported in the 20th August end of day update was later determined not to be a case, after repeated testing. They returned one weak positive, were re-tested and tested negative.
- As at 0800 hours there are 11 additional cases since 0900 20 August 2020, nine from the community and two detected from border testing.
- Of the 9 new confirmed community cases reported since 0900 20 August:
9 are linked to the cluster with epidemiological links with other confirmed cases.

| Case Status | Counties Manukau | Waitematā | Auckland | Waikato | Total |
|-------------|------------------|-----------|----------|---------|---------|
| Confirmed | 43 (+5) | 14 (+2) | 29 (+2) | 3 | 89 (+9) |
| Probable | 0 | 0 | 0 | 0 | 0 |
| Total | 43 (+5) | 14 (+2) | 29 (+2) | 3 | 89 (+9) |

- As at 0800 21 August there have been two new cases detected at the border. In total there are 102 cases that have been detected at the border since the establishment of MIFs/MIQs.
- As of 0800 21 August there are nine people in hospital:
 - Two in Auckland City Hospital (stable)
 - Five in Middlemore Hospital (four stable, one critical)
 - One in North Shore Hospital (stable)
 - One in Waikato Hospital (stable)

s 9(2)(a)

Health system response

Overall approach

- Our investigation has two main focus areas that run in parallel:
 - **Source attribution** – a focus on investigating the case with the earliest symptom onset date to gather details actions of movements 14 days prior. This will help to understand the possible source of the new outbreak.
 - **Containment** – rigorous case investigation, identification of close contacts and isolation and testing to ensure that chain of transmission is broken.

Investigation: Auckland Community Cluster August 2020

Auckland case investigation updates

Americold (two sites with confirmed cases)

- Across the two Americold sites there has been a total of 76 people tested. Of these, 10 are positive, 66 are negative.
- The community case under investigation who works in St Lukes Mall has been linked to the current community outbreak using whole genome sequencing. However, there is no known epidemiological link, and investigations continue into the source of exposure. The case tested positive for COVID-19 on 18 August 2020, and has been in isolation since then.
- The contractor list is being reconciled with the previously identified close contacts and remains under investigation. Education for businesses around COVID-19 reporting is required to ensure rapid contact tracing.

Finance Now

- 158 of 158 staff at Finance Now have been tested. Five are positive, 147 are negative, and six results are pending.
- 31 of 31 Finance Now family close contacts have all tested negative. ¹

NZ Post Distribution Centre

- Four NZ Post close contacts have tested negative. 190 possible contacts (not defined as close or casual) were tested 19 August.
- A NZ Post distribution centre is associated with the cluster. An existing case reported on 16 August 2020 is an employee at the distribution centre and worked there while infectious.

Other Locations

¹ Contact Testing Results Table 0830, 20 August 20

- Several hundred possible contacts from an Auckland churches have been identified, details below:
 - Church one: 51 of the 88 close contacts have been tested, results pending.
 - Church two: 69 of the 81 contacts (close/casual to be determined) have recorded a test, results pending.
 - Church three: A list of congregational members could not be provided at this time, however on-site testing has been offered. More information is being sought, and will be provided as it becomes available.
 - Church four: 50 of the 54 contacts (close/casual to be determined) have recorded a test, results pending.
 - Church five: members of the church have been identified as casual contacts and are not required to be tested, but members have been offered testing.
- All staff and residents at the Rydges Hotel in Auckland are going to be retested. This is due to the inability to establish a link to the maintenance worker. All § 9(2)(a) household contacts of the maintenance worker have tested negative, all § 9(2)(a) work close contacts have been ordered for testing. We will report on the results of the testing as it is reported. A possible link to a confirmed case (guest) has been re-interviewed and no connection is evident.
- A case that has been linked to the cluster through genomic sequencing but without a direct link determined, has been traced using CCTV footage. A potential link between this case and a case working in § 9(2)(a) has been identified. This is being further investigated.

Waikato case investigation updates

- A close household contact of the two existing cases from Tokoroa tested positive for COVID-19 on August the 19th. § 9(2)(a) has been in isolation at home since 12th August, the date when the two existing cases tested positive. § 9(2)(a)
§ 9(2)(a) The remaining household contact of the existing Tokoroa cases is isolating at home and has returned two negative results.²

Updates from ESR and wider testing

- Environmental sampling and testing has been completed for COVID-19 at the Mount Wellington and Wiri Americold sites by ESR.
- SARS-CoV-2 was detected at very low levels in gauze swabs taken from the Mount Wellington site in areas that were likely to be touch zones for Americold employees who have tested positive for COVID-19.
- Detected levels were too low to allow sequencing of the virus, so genomic analysis and comparison to the genomes of cases that worked at Americold was not possible. No SARS-CoV-2 was detected on any internal packaging sampled. No SARS-CoV-2 was detected at the Wiri site.

² Waikato PHU Phone call, 0830 20 August 20

Contact Tracing

- Information current as at 0830 21 August.
- Over the period 12 – 18 August **81%** (1,066 of 1,315) of close contacts have been contacted within 48 hrs of being determined to be a contact.
- Since the 11 August, **1,999** close contacts have been identified and recorded in the National Contact Tracing Solution, **1,924** of these have been contacted and are self-isolating, and we are in the process of contacting the rest.

| | 18/08/2020 | 19/08/2020 | 20/08/2020 | 21/08/2020 |
|--|--------------|--------------|--------------|--------------------|
| Number of close contacts identified | 1,967 | 1,983 | 1,987 | 1,999 (+12) |
| Number of close contacts successfully contacted | 1,827 | 1,861 | 1,920 | 1,924 (+4) |
| Number of close contacts referred to "finding services"*** | 34 | 39 | 33 | 29 (-4) |
| Number of close contacts awaiting contact | 106 | 83 | 34 | 46 (+12) |

Note that the total number and number successfully contacted has decreased since 1030 20 August SitRep due to duplicates and invalid records being removed from the system.

*Contacts loaded into the National Contact Tracing Solution, and managed by either the National Investigation and Tracing Unit or the Public Health Units. **N.B "Finding services" refers to the mechanism the National Close Contact Service uses to find valid contact details for close contacts we do not have the correct contact details for. These services utilise internal Ministry of Health databases along with Police, Customs and Airlines where relevant.

Contact Tracing app

- There has been a significant increase in NZ COVID Tracer application activity following the change in Alert Level. Prior to 12 August 2020, there was approximately 640,000 registered users. As of 17 August 2020, there are approximately 1,442,300 registered users. This is likely due to the recent outbreak, combined with effective messaging surrounding the importance of contact tracing.³

³ IRT Daily Insights 003 COVID-19, 19 August 20

Testing

Swab numbers

- As at **1800 20 August**, the number of swabs collected nationally is summarised as follows:

| Swab Stream | Number of swabs taken |
|----------------|-----------------------|
| Community | 4,088 |
| MIF Staff | 204 |
| MIF Guests | 365 |
| Airport Staff | 117 |
| Maritime Staff | 102 |
| Total | 4,876 |

Please note the DHBs report swab numbers at different stages in the testing process, as such this data is likely to change over time.

Lab Testing numbers

- For **20 August 2020** **15,714** lab tests were completed nationally; bringing the total number of tests to **148,806** in the last seven days (**14th to 20th August**). **The total number of tests completed to date is 673,220.**⁴

Testing Supply Update

- Almost 400,000 swabs were put into circulation from bulk supply in the 8-day period ending 19 August 2020. 100,000 swabs arrived from Australia on 19 August 2020, and there are approximately 300,000 swabs due to arrive over the next week.
- There are 288,560 tests available, using existing supplies already landed in New Zealand. Hologic platform reagent supplies are getting low with around seven days supply on this platform remaining. Conversations with Hologic are underway but it will be a few days before we have a further update. Hologic platforms make up approximately 25% of our total capacity.

⁴ Source: Daily Laboratory Operations Report, **08:45 21 August 2020**

Testing activity by region

Focus areas:

- There are 20 testing sites in Auckland City. The volumes of tests have averaged 5,100 tests for the last six days.
- Added testing activity has been developed in the regions, with an additional 19 designated community centres established outside of the Auckland city. These facilities have been collecting approximately 4,300 swabs each day.
- The 20 testing sites in Auckland city together with the 19 designated community centres outside of the city make the 39 designated community centres in the wider Auckland region.

Healthline updates

- On 19 August we had 4,221 contacts in Healthline (compared to 1,036 on the same day last year). Of those calls, 2,519 were to the Covid Info line. On 19 August demand on 1737 Need to talk? and other mental health services was 718 contacts (22.5% higher than forecast and compared to 452 on the same day last year).
- Wait times were well managed with no wait time for most of the day. We had a couple of surges through media identifying new places of interest which saw the wait time creep out to circa 15 minutes at one point in time. Average wait time on On 19 August for the COVID info line was 02:06 minutes.
- The introduction of self-service text and digital channels on our IVR systems saw 202 people self-serve yesterday. More than half the people were wanting information on Auckland testing sites.⁵
- The main themes yesterday / today:
 - People are delaying access to care for non-covid related symptoms. We also continued to have reports that people are afraid to enter the Auckland hospitals – key messages that reinforce that COVID patients in hospital are isolated rather “than on wards” could help reduce this.
 - On 19 August we continued to see the new trend around racism in the public (earlier in this event we saw racism directed to the pacific community and south Auckland residents) yesterday we took a number of calls where anger and racist remarks were made relating to the Chinese community for being the origin of the virus.
 - Many people called about not getting any response to their application on exemptions who are providing essential services or have compassionate reasons, some of them waited for more than 5 days.
 - People in self isolation calling to confirm their obligations.

⁵ National Telehealth Service Coronavirus Update, 0930 20 August 20

- People complaining that they have not had test results back yet.
- People struggling with the requirement by some airline/countries on receiving a negative test result before flight because now it takes longer than 96 hours to have the result back.
- False media / social media reporting of exposure events is causing unnecessary alarm and concern.

Logistics

Health Workforce

- Upskilling of alternative workforces for testing continues to be progressed including plans for a training package (testing) and scoping of micro-credentialing, in addition to understanding where this workforce would be obtained from.
- We have provided names of public health clinicians on the surge database to ARPHS. We will continue to provide support to the requests received. One public health doctor has offered support to ARPHS.
- We are working with TAS and all 20 GMsHR on workforce needs and issues.
- s 9(2)(g)(i) [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Hospital Capacity

- As at 0800 20 August 2020, ICU and HDU bed, ventilators, and ward beds are summarised as follows:

| Type | Number of Units | Number Occupied / in use |
|------------------|-----------------|--------------------------|
| ICU and HDU Beds | 355 | 216 (60.8%) |
| Ventilators | 279 | 54 (19.4%) |
| Ward Beds | 7,303 | 5,603 (76.75%) |

⁶ Programme Director, Health Workforce Directorate

Appendix 1: Case summary

All cases reported in the community over the period 0900 20th August to 0800 21st August

| Case Number | Date Tested Positive | Onset Date | Case Status | DHB | Sex | Age | Ethnicity | Symptoms [Yes/No] | Hosp | Occupation | Source of Transmission |
|-------------|----------------------|------------|-------------|-----|-----|-----|-----------|-------------------|------|------------|------------------------|
| s 9(2)(a) | | | | | | | | | | | |
| | | | | | | | | | | | |
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|--------------------------|------------|------------|--------------------------|------------|------------|--------------------------|--------------------------|------------|------------|------------|--|
| s 9(2)(a) [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] [REDACTED] |
| [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] [REDACTED] |

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Appendix 2: International case investigations

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[REDACTED]

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APPENDIX: 3

NRHCC Testing Report Novel Coronavirus (COVID-19) Issued: **1700 20 August 2020**

Key points:

- Regional lab capacity is now ~11,000 so current testing volumes are within capacity
- Occupational group for border workers relies on manual data entry which is behind due to significant volume pressure. We are still working with agencies to get employee lists to do reconciliations.

Table 1. Metro Auckland Summary Total of Testing for 19 August 2020

| | Community | MIQ staff | MIQ guests | Airport | Maritime port | TOTAL |
|---------------|-----------|--------------|---------------|---------|---------------|-------------|
| 5:00pm | 1899 | 164 | 255 | 85 | 21 | 2424 |

*

| | 12/08/ 2020 | 13/08/ 2020 | 14/08/ 2020 | 15/08/ 2020 | 16/08/ 2020 | 17/08/ 2020 | 18/08/ 2020 | 19/08/ 2020 | 20/08/ 2020 | Total |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------|
| Asian | 1728 | 2274 | 2470 | 1744 | 1426 | 2346 | 1477 | 967 | 184 | 14616 |
| Māori | 1720 | 2193 | 2649 | 1566 | 1219 | 2015 | 1445 | 884 | 261 | 13952 |
| Other | 5999 | 6072 | 7187 | 4144 | 3308 | 5220 | 3529 | 2064 | 447 | 37970 |
| Pacific | 1574 | 2571 | 3523 | 3287 | 3041 | 3255 | 2452 | 1467 | 321 | 21491 |

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|----------------|--------------|--------------|--------------|--------------|-------------|--------------|-------------|-------------|-------------|--------------|
| Unknown | 150 | 88 | 183 | 174 | 166 | 87 | 190 | 121 | 167 | 1326 |
| Total | 11171 | 13198 | 16012 | 10915 | 9160 | 12923 | 9093 | 5503 | 1380 | 89355 |

* 19 & 20/8 day tally still in progress

Table 3. Total Tests receipted in last 24 hours by site (as at 5pm)

| Ethnicity | CTC | Non-CTC | Total | % |
|------------------|-------------|----------------|--------------|----------|
| Asian | 400 | 203 | 603 | 15.8% |
| Māori | 434 | 225 | 659 | 17.2% |
| Other | 807 | 532 | 1339 | 35.0% |
| Pacific | 668 | 332 | 1000 | 26.2% |
| Unknown | 134 | 86 | 220 | 5.8% |
| Total | 2443 | 1378 | 3821 | |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

*Includes GP clinics, Urgent Care Centres, Designated practices

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Table 4. Estimated tests taken 12-20 August 2020, based on manual site reports at 5pm

| Site | | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08 | 19/08 | 20/08* |
|--------|---------|------------|-------|-------|-------|-------|-------|-------|-------|--------|
| MIQ | Staff | 349 | 850 | 575 | 221 | 137 | 141 | 117 | 41 | 164 |
| | Guests | 467 | 458 | 838 | 667 | 542 | 415 | 625 | 600 | 255 |
| | | | | | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 237 | 278 | 301 | 173 | 90 |
| | Port | No testing | 290 | 270 | 510 | 518 | 607 | 34 | 14 | 21 |
| | | | | | | | | | | |

* 20/8 day still in progress

Table 5: Estimated tests taken at Metro Auckland CTCs, 12-20 August 2020, based on manual site reports at 5pm

| Site | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08 | 19/08 | 20/08* |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Airport Oaks | N/A | 265 | 409 | 328 | 146 | 192 | 123 | 49 | 37 |
| Auckland Netball Centre | N/A | N/A | N/A | N/A | 192 | 204 | 231 | 244 | 136 |
| Botany CTC | 150 | 270 | 260 | 241 | 230 | 200 | 205 | 135 | 141 |
| Coast to Coast Warkworth | 66 | 92 | 92 | 26 | 25 | 27 | 22 | 17 | 15 |
| Coast to Coast Wellsford | 33 | 68 | 61 | 6 | 19 | 42 | 15 | 26 | 15 |
| Eventfinda Stadium | 134 | 563 | 620 | 320 | 163 | 175 | 112 | 64 | 48 |

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|------------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
| Health New Lynn | 700 | 812 | 550 | 324 | 217 | 391 | 265 | 165 | 94 |
| Henderson | N/A | 288 | 321 | 189 | 142 | 182 | 125 | 87 | 85 |
| Mangere Town Centre | N/A | N/A | 609 | 585 | 554 | 391 | 374 | 245 | 218 |
| Manurewa Marae | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 24 | 45 |
| Northcare A&M | N/A | N/A | N/A | 115 | 138 | 125 | 68 | 61 | 50 |
| Otara CTC | 556 | 718 | 781 | 603 | 563 | 489 | 429 | 239 | 161 |
| Pukekohe CTC | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 14 | 52 |
| St Lukes | 106 | 309 | 356 | 331 | 171 | 270 | 180 | 151 | 151 |
| Takanini Urgent Care | 231 | 480 | 425 | 410 | 340 | 380 | 287 | 180 | 128 |
| Waiheke Medical Centre | 85 | 87 | 63 | 26 | 51 | 51 | 20 | 31 | 15 |
| Whanau House | 707 | 552 | 570 | 419 | 250 | 396 | 306 | 185 | 140 |
| Whanau Ora - Central | 1,714 | 385 | 400 | 410 | 258 | 247 | 201 | 115 | 96 |
| Whanau Ora - North | | 427 | 333 | 235 | 206 | 184 | 102 | 100 | 87 |
| Whanau Ora - South | | 618 | 708 | 404 | 246 | 347 | 312 | 200 | 143 |
| | | | | | | | | | |
| Waipuna Targeted Site | N/A | N/A | N/A | 19 | 124 | 223 | 43 | 43 | 62 |
| Blockhouse Bay Targeted Site | N/A | N/A | N/A | N/A | N/A | 50 | 44 | 21 | 30 |
| | | | | | | | | | |

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|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Total | 4,482 | 5,934 | 6,558 | 5,040 | 4,130 | 4,566 | 3,466 | 2,406 | 1,899* |
| <p>* 20/8 day still in progress</p> <p>N/A = not open as a CTC</p> | | | | | | | | | |

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Appendix 4: Testing by DHB and Ethnicity

Note: this is the number of people tested. The numbers in the testing section above are the number of tests done.

| Number of people tested for COVID-19 from 12 August to 20 August 2020 | | | | | | |
|---|----------------------------|-----------------|---------------|---------------|--------------|----------------|
| | Prioritised Ethnicity MPAO | | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Unknown | Total |
| Auckland | 1,665 | 3,526 | 4,227 | 9,507 | 132 | 19,057 |
| Bay of Plenty | 1,321 | 160 | 257 | 3,474 | 26 | 5,238 |
| Canterbury | 910 | 340 | 780 | 7,490 | 83 | 9,603 |
| Capital and Coast | 790 | 574 | 629 | 4,858 | 71 | 6,922 |
| Counties Manukau | 3,720 | 10,489 | 4,506 | 6,358 | 142 | 25,215 |
| Hawkes Bay | 705 | 122 | 94 | 1,950 | 18 | 2,889 |
| Hutt Valley | 418 | 210 | 240 | 1,591 | 20 | 2,479 |
| Lakes | 1,458 | 232 | 276 | 1,865 | 53 | 3,884 |
| MidCentral | 542 | 132 | 185 | 2,139 | 30 | 3,028 |
| Nelson Marlborough | 293 | 78 | 84 | 2,120 | 13 | 2,588 |
| Northland | 1,845 | 125 | 140 | 2,351 | 18 | 4,479 |
| South Canterbury | 87 | 15 | 37 | 835 | 8 | 982 |
| Southern | 562 | 185 | 303 | 4,935 | 42 | 6,027 |
| Tairāwhiti | 493 | 33 | 29 | 457 | 3 | 1,015 |
| Taranaki | 392 | 29 | 89 | 1,404 | 21 | 1,935 |
| Waikato | 2,562 | 551 | 660 | 5,416 | 91 | 9,280 |
| Wairarapa | 107 | 17 | 14 | 478 | 0 | 616 |
| Waitematā | 2,225 | 2,163 | 3,404 | 12,283 | 110 | 20,185 |
| West Coast | 25 | 7 | 8 | 184 | 3 | 227 |
| Whanganui | 373 | 38 | 29 | 762 | 5 | 1,207 |
| Unknown | 746 | 372 | 317 | 2,101 | 535 | 4,071 |
| Total | 21,239 | 19,398 | 16,308 | 72,559 | 1,424 | 126,856 |

| Rate per 1000 people tested for COVID-19 from 12 August to 20 August 2020 | | | | | |
|---|----------------------------|-----------------|-------------|-------------|-------------|
| | Prioritised Ethnicity MPAO | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Total |
| Auckland | 38.3 | 62.9 | 22.6 | 36.4 | 34.8 |
| Bay of Plenty | 22.1 | 36.0 | 13.1 | 22.1 | 21.7 |
| Canterbury | 17.4 | 24.0 | 12.8 | 16.8 | 16.7 |
| Capital and Coast | 21.6 | 25.9 | 12.5 | 22.8 | 21.5 |
| Counties Manukau | 41.8 | 87.3 | 29.8 | 30.4 | 44.3 |
| Hawkes Bay | 16.3 | 19.0 | 10.3 | 18.0 | 17.3 |
| Hutt Valley | 16.0 | 18.0 | 12.8 | 16.9 | 16.4 |
| Lakes | 37.9 | 90.8 | 28.4 | 31.1 | 35.1 |
| MidCentral | 14.9 | 23.8 | 11.9 | 17.3 | 16.7 |
| Nelson Marlborough | 18.3 | 31.6 | 11.3 | 16.8 | 17.1 |
| Northland | 30.3 | 33.3 | 16.9 | 21.6 | 24.6 |
| South Canterbury | 16.4 | 30.7 | 15.6 | 16.2 | 16.4 |
| Southern | 16.7 | 26.9 | 11.7 | 18.4 | 18.1 |
| Tairāwhiti | 19.9 | 29.5 | 24.8 | 20.7 | 20.6 |
| Taranaki | 16.8 | 20.8 | 14.3 | 15.6 | 16.0 |
| Waikato | 26.6 | 41.3 | 15.0 | 20.1 | 21.9 |
| Wairarapa | 13.4 | 20.4 | 11.2 | 13.4 | 13.5 |
| Waitematā | 35.6 | 48.5 | 23.7 | 32.1 | 31.9 |
| West Coast | 6.4 | 27.7 | 8.6 | 6.8 | 7.1 |
| Whanganui | 21.5 | 25.0 | 9.9 | 17.7 | 18.6 |
| Total | 27.3 | 60.7 | 21.3 | 23.4 | 25.6 |



SITREP 028

Coronavirus disease 2019 (COVID-19)

Issued: **1030 hours 21 August 2020**

Information current at: **1000 hours**

This report provides a daily update on the COVID-19 health system response. New information is denoted by red text.

Please use the single point of contact email covid-19response@health.govt.nz for help / support. Your email will be logged and promptly passed to the appropriate team.

This document is classified IN CONFIDENCE and not for further distribution.

Need to know

Total number of active cases: 105

Total number of cases in the community since (and including) 12th August: 89

New cases last 23 hours (9am 20th to 8am 21st): 9

Estimated recovered: 0

Total number of cases detected from people coming through the border, since (and including) 9th June: 102

New cases last 24 hours: 2

Estimated recovered: 86

Estimated active: 16

Total number of tests processed 20 August: 15,714

Tests completed last 7 days: (14th to 20th August): 148,806

Total tests completed to date: 673,220

Overall total number of cases in New Zealand from 0900 August 20 to 0900 August 21

| | Active | Recovered | Deceased | Total |
|--------------|-----------------|------------------|---------------|-------------------|
| Confirmed | 105 (+4) | 1193 (+7) | 17 | 1315 (+11) |
| Probable | 0 | 345 | 5 | 350 (-) |
| Total | 105 (+4) | 1538 (+7) | 22 (-) | 1665 (+11) |

Detail:

- There are 89 community cases in total as set out in the table below. This total comprises 87 cases linked to the cluster *Auckland Community Cluster August 2020*. Two of the cases are still under investigation to determine a link. One case under investigation was found to be linked to the current outbreak using genome sequencing on 20th August, but is still under investigation to determine the source of exposure.
- One case reported in the 20th August end of day update was later determined not to be a case, after repeated testing. They returned one weak positive, were re-tested and tested negative.
- As at 0900 hours there are 11 additional cases since 0900 20 August 2020, nine from the community and two detected from border testing.
- Of the 9 new confirmed community cases reported since 0900 20 August:
9 are linked to the cluster with epidemiological links with other confirmed cases.

| Case Status | Counties Manukau | Waitematā | Auckland | Waikato | Total |
|-------------|------------------|-----------|----------|---------|---------|
| Confirmed | 43 (+5) | 14 (+2) | 29 (+2) | 3 | 89 (+9) |
| Probable | 0 | 0 | 0 | 0 | 0 |
| Total | 43 (+5) | 14 (+2) | 29 (+2) | 3 | 89 (+9) |

- As at 0800 21 August there have been two new cases detected at the border. In total there are 102 cases that have been detected at the border since the establishment of MIFs/MIQs.
- As of 0800 21 August there are nine people in hospital:
 - Two in Auckland City Hospital (stable)
 - Five in Middlemore Hospital (four stable, one critical)
 - One in North Shore Hospital (stable)
 - One in Waikato Hospital (stable)

s 9(2)(a)

- One patient was discharged from Middlemore Hospital to Jet Park on 20 August. Another patient was admitted to Middlemore Hospital overnight, therefore no change in the overall totals.

Health system response

Overall approach

- Our investigation has two main focus areas that run in parallel:
 - **Source attribution** – a focus on investigating the case with the earliest symptom onset date to gather details actions of movements 14 days prior. This will help to understand the possible source of the new outbreak.
 - **Containment** – rigorous case investigation, identification of close contacts and isolation and testing to ensure that chain of transmission is broken.

Investigation: Auckland Community Cluster August 2020

Auckland case investigation updates

Americold (two sites with confirmed cases)

- Across the two Americold sites there has been a total of 76 people tested. Of these, 10 are positive, 66 are negative.
- The community case under investigation who works in St Lukes Mall has been linked to the current community outbreak using whole genome sequencing. However, there is no known epidemiological link, and investigations continue into the source of exposure. The case tested positive for COVID-19 on 18 August 2020, and has been in isolation since then.
- The contractor list is being reconciled with the previously identified close contacts and remains under investigation. Education for businesses around COVID-19 reporting is required to ensure rapid contact tracing.

Finance Now

- 158 of 158 staff at Finance Now have been tested. Five are positive, 147 are negative, and six results are pending.
- 31 of 31 Finance Now family close contacts have all tested negative.¹

NZ Post Distribution Centre

- Four NZ Post close contacts have tested negative. 190 possible contacts (not defined as close or casual) were tested 19 August.
- A NZ Post distribution centre is associated with the cluster. An existing case reported on 16 August 2020 is an employee at the distribution centre and worked there while infectious.

Other Locations

¹ Contact Testing Results Table 0830, 20 August 20

- Several hundred possible contacts from Auckland churches have been identified, details below:
 - Church one: 51 of the 88 close contacts have been tested, results pending.
 - Church two: 69 of the 81 contacts (close/casual to be determined) have recorded a test, results pending.
 - Church three: A list of congregational members could not be provided at this time, however on-site testing has been offered. More information is being sought, and will be provided as it becomes available.
 - Church four: 50 of the 54 contacts (close/casual to be determined) have recorded a test, results pending.
 - Church five: members of the church have been identified as casual contacts and are not required to be tested, but members have been offered testing.
 - [REDACTED]
 - Church One: s 9(2)(a) [REDACTED]
 - Church Two: s 9(2)(a) [REDACTED]
 - Church Four: s 9(2)(a) [REDACTED]
 - The Otara CTC is prepared to receive those who do not attend on-site or an invite only Community Testing Centres (CTCs) and will batch swabs by location (e.g. Church Name)
- All staff and residents at the Rydges Hotel in Auckland are going to be retested. This is due to the inability to establish a link to the maintenance worker. All s 9(2)(a) household contacts of the maintenance worker have tested negative, all s 9(2)(a) work close contacts have been ordered for testing. We will report on the results of the testing as it is reported. A possible link to a confirmed case (guest) has been re-interviewed and no connection is evident.
- A case that has been linked to the cluster through genomic sequencing but without a direct link determined, has been traced using CCTV footage. A potential link between this case and a case s 9(2)(a) [REDACTED] has been identified. This is being further investigated.

Waikato case investigation updates

- A close household contact of the two existing cases from Tokoroa tested positive for COVID-19 on August the 19th. s 9(2)(a) [REDACTED] has been in isolation at home since 12th August, the date when the two existing cases tested positive. s 9(2)(a) [REDACTED]

s 9(2)(a) The remaining household contact of the existing Tokoroa cases is isolating at home and has returned two negative results.²

Updates from ESR and wider testing

- Environmental sampling and testing has been completed for COVID-19 at the Mount Wellington and Wiri Americold sites by ESR.
- SARS-CoV-2 was detected at very low levels in gauze swabs take from the Mount Wellington site in areas that were likely to be touch zones for Americold employees who have tested positive for COVID-19.
- Detected levels were too low to allow sequencing of the virus, so genomic analysis and comparison to the genomes of cases that worked at Americold was not possible. No SARS-CoV-2 was detected on any internal packaging sampled. No SARS-CoV-2 was detected at the Wiri site.

Contact Tracing

- Information current as at 0900 21 August.
- Over the period 12 – 18 August **81%** (1,066 of 1,315) of close contacts have been contacted within 48 hrs of being determined to be a contact.
- Since the 11 August, 1,999 close contacts have been identified and recorded in the National Contact Tracing Solution, 1,924 of these have been contacted and are self-isolating, and we are in the process of contacting the rest.

| | 18/08/2020 | 19/08/2020 | 20/08/2020 | 21/08/2020 |
|--|--------------|--------------|--------------|--------------|
| Number of close contacts identified | 1,967 | 1,983 | 1,987 | 1,999 |
| Number of close contacts successfully contacted | 1,827 | 1,861 | 1,920 | 1,924 |
| Number of close contacts referred to "finding services"*** | 34 | 39 | 33 | 29 |
| Number of close contacts awaiting contact | 106 | 83 | 34 | 46 |

*Contacts loaded into the National Contact Tracing Solution, and managed by either the National Investigation and Tracing Unit or the Public Health Units. **N.B "Finding services" refers to the mechanism the National Close Contact Service uses to find valid contact details for close contacts we do not have the correct contact details for. These services utilise internal Ministry of Health databases along with Police, Customs and Airlines where relevant.

² Waikato PHU Phone call, 0830 20 August 20

COVID-19 Tracer App usage

- Total number of registered users, as at 0930 21 August: 1,671,885
- QR code scans between midday 20 August and 0930 21 August: 1,076,000

Testing

Swab numbers

- As at 1800 20 August, the number of swabs collected nationally is summarised as follows:

| Swab Stream | Number of swabs taken |
|----------------|-----------------------|
| Community | 4,088 |
| MIF Staff | 204 |
| MIF Guests | 365 |
| Airport Staff | 117 |
| Maritime Staff | 102 |
| Total | 4,876 |

Please note the DHBs report swab numbers at different stages in the testing process, as such

this data is likely to change over time.

Lab Testing numbers

- For 20 August 2020 15,714 lab tests were completed nationally; bringing the total number of tests to 148,806 in the last seven days (14th to 20th August). The total number of tests completed to date is 673,220.³

Testing Supply Update

- Almost 400,000 swabs were put into circulation from bulk supply in the 8-day period ending 19 August 2020. 100,000 swabs arrived from Australia on 19 August 2020, and there are approximately 300,000 swabs due to arrive over the next week.
- There are 288,560 tests available, using existing supplies already landed in New Zealand. Hologic platform reagent supplies are getting low with around seven days supply on this platform remaining. Conversations with Hologic are underway but it will be a few days before we have a further update. Hologic platforms make up approximately 25% of our total capacity.

³ Source: Daily Laboratory Operations Report, 08:45 21 August 2020

Testing activity by region

Focus areas:

- There are 20 testing sites in Auckland City. The volumes of tests have averaged 5,100 tests for the last six days.
- Added testing activity has been developed in the regions, with an additional 19 designated community centres established outside of the Auckland city. These facilities have been collecting approximately 4,300 swabs each day.
- The 20 testing sites in Auckland city together with the 19 designated community centres outside of the city make the 39 designated community centres in the wider Auckland region.

Healthline updates

- On 19 August we had 2,892 contacts in Healthline (compared to 968 on the same day last year). Of those calls, 1,519 were to the Covid Info line. On 20 August demand on 1737 Need to talk? and other mental health services was 536 contacts (8.5% lower than forecast and compared to 610 on the same day last year).
- Wait times were well managed with no wait time for most of the day. Average wait time on 20 August for the COVID info line was 01:07 minutes.
- The introduction of self-service text and digital channels on our IVR systems saw 97 people self-serve yesterday. More than half the people were wanting information on Auckland testing sites .⁴

The main themes yesterday / today:

- People are delaying access to care for non-covid related symptoms. We also continued to have reports that people are afraid to enter the Auckland hospitals – key messages that reinforce that COVID patients in hospital are isolated rather “than on wards” could help reduce this
- Tracer app not working – useful for any comms on the app to contain the 0800 number for helpdesk questions
- Symptomatic SU's wanting to be tested
- Yesterday we continued to see racist views expressed to our staff on the virus
- Many people called about not getting any response to their application on exemptions who are providing essential services or have compassionate reasons, some of them waited for more than 5 days
- People complaining that they have not had test results back yet
- False media / social media reporting of exposure events is causing unnecessary alarm and concern

⁴ National Telehealth Service Coronavirus Update, 1000 21 August 20

Logistics

Health Workforce

- We continue to work with TAS and all 20 GMsHR on workforce needs and issues – an initial data exercise was undertaken last week and we are developing a process whereby regular workforce intelligence information will be provided to Health Workforce, which in turn will be developed in to a regular dashboard. We expect this process to be agreed and in place at the end of this week
- Upskilling of alternative workforces for testing continues to be progressed including plans for a training package and scoping of micro-credentialing, in addition to understanding where this workforce would be obtained from
- We are working to identify people on the surge workforce who would be willing to work in an ARC facility in the event of an outbreak. We will also be meeting with ARC stakeholders next week to understand what additional workforce planning support can be undertaken and any lessons learnt from the recent events in ARC facilities in Melbourne (as they relate to workforce)

Hospital Capacity

- As at 0800 20 August 2020, ICU and HDU bed, ventilators, and ward beds are summarised as follows:

| Type | Number of Units | Number Occupied / in use |
|------------------|-----------------|--------------------------|
| ICU and HDU Beds | 355 | 216 (60.8%) |
| Ventilators | 279 | 54 (19.4%) |
| Ward Beds | 7,303 | 5,603 (76.75%) |

Appendix 1: Case summary

All cases reported in the community over the period 0900 20th August to **0900 21st August**

| Case Number | Date Tested Positive | Onset Date | Case Status | DHB | Sex | Age | Ethnicity | Symptoms [Yes/No] | Hosp | Occupation | Source of Transmission |
|-------------|----------------------|------------|-------------|-----|-----|-----|-----------|-------------------|------|------------|------------------------|
| s 9(2)(a) | | | | | | | | | | | |
| | | | | | | | | | | | |
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|--------------------------|------------|------------|--------------------------|------------|------------|--------------------------|--------------------------|------------|------------|------------|--|
| s 9(2)(a) [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] [REDACTED] [REDACTED] |
| [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] [REDACTED] [REDACTED] [REDACTED] |

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Appendix 2: International case investigations

s 9(2)(a)

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[REDACTED]

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APPENDIX: 3

NRHCC Testing Report Novel Coronavirus (COVID-19) Issued: **1700 20 August 2020**

Key points:

- Regional lab capacity is now ~11,000 so current testing volumes are within capacity
- Occupational group for border workers relies on manual data entry which is behind due to significant volume pressure. We are still working with agencies to get employee lists to do reconciliations.

Table 1. Metro Auckland Summary Total of Testing for 19 August 2020

| | Community | MIQ staff | MIQ guests | Airport | Maritime port | TOTAL |
|---------------|-----------|--------------|---------------|---------|---------------|-------------|
| 5:00pm | 1899 | 164 | 255 | 85 | 21 | 2424 |

*

| | 12/08/ 2020 | 13/08/ 2020 | 14/08/ 2020 | 15/08/ 2020 | 16/08/ 2020 | 17/08/ 2020 | 18/08/ 2020 | 19/08/ 2020 | 20/08/ 2020 | Total |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------|
| Asian | 1728 | 2274 | 2470 | 1744 | 1426 | 2346 | 1477 | 967 | 184 | 14616 |
| Māori | 1720 | 2193 | 2649 | 1566 | 1219 | 2015 | 1445 | 884 | 261 | 13952 |
| Other | 5999 | 6072 | 7187 | 4144 | 3308 | 5220 | 3529 | 2064 | 447 | 37970 |
| Pacific | 1574 | 2571 | 3523 | 3287 | 3041 | 3255 | 2452 | 1467 | 321 | 21491 |

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|----------------|--------------|--------------|--------------|--------------|-------------|--------------|-------------|-------------|-------------|--------------|
| Unknown | 150 | 88 | 183 | 174 | 166 | 87 | 190 | 121 | 167 | 1326 |
| Total | 11171 | 13198 | 16012 | 10915 | 9160 | 12923 | 9093 | 5503 | 1380 | 89355 |

* 19 & 20/8 day tally still in progress

Table 3. Total Tests receipted in last 24 hours by site (as at 5pm)

| Ethnicity | CTC | Non-CTC | Total | % |
|------------------|-------------|----------------|--------------|----------|
| Asian | 400 | 203 | 603 | 15.8% |
| Māori | 434 | 225 | 659 | 17.2% |
| Other | 807 | 532 | 1339 | 35.0% |
| Pacific | 668 | 332 | 1000 | 26.2% |
| Unknown | 134 | 86 | 220 | 5.8% |
| Total | 2443 | 1378 | 3821 | |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

*Includes GP clinics, Urgent Care Centres, Designated practices

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Table 4. Estimated tests taken 12-20 August 2020, based on manual site reports at 5pm

| Site | | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08 | 19/08 | 20/08* |
|--------|---------|------------|-------|-------|-------|-------|-------|-------|-------|--------|
| MIQ | Staff | 349 | 850 | 575 | 221 | 137 | 141 | 117 | 41 | 164 |
| | Guests | 467 | 458 | 838 | 667 | 542 | 415 | 625 | 600 | 255 |
| | | | | | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 237 | 278 | 301 | 173 | 90 |
| | Port | No testing | 290 | 270 | 510 | 518 | 607 | 34 | 14 | 21 |
| | | | | | | | | | | |

* 20/8 day still in progress

Table 5: Estimated tests taken at Metro Auckland CTCs, 12-20 August 2020, based on manual site reports at 5pm

| Site | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08 | 19/08 | 20/08* |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Airport Oaks | N/A | 265 | 409 | 328 | 146 | 192 | 123 | 49 | 37 |
| Auckland Netball Centre | N/A | N/A | N/A | N/A | 192 | 204 | 231 | 244 | 136 |
| Botany CTC | 150 | 270 | 260 | 241 | 230 | 200 | 205 | 135 | 141 |
| Coast to Coast Warkworth | 66 | 92 | 92 | 26 | 25 | 27 | 22 | 17 | 15 |
| Coast to Coast Wellsford | 33 | 68 | 61 | 6 | 19 | 42 | 15 | 26 | 15 |
| Eventfinda Stadium | 134 | 563 | 620 | 320 | 163 | 175 | 112 | 64 | 48 |

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|------------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
| Health New Lynn | 700 | 812 | 550 | 324 | 217 | 391 | 265 | 165 | 94 |
| Henderson | N/A | 288 | 321 | 189 | 142 | 182 | 125 | 87 | 85 |
| Mangere Town Centre | N/A | N/A | 609 | 585 | 554 | 391 | 374 | 245 | 218 |
| Manurewa Marae | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 24 | 45 |
| Northcare A&M | N/A | N/A | N/A | 115 | 138 | 125 | 68 | 61 | 50 |
| Otara CTC | 556 | 718 | 781 | 603 | 563 | 489 | 429 | 239 | 161 |
| Pukekohe CTC | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 14 | 52 |
| St Lukes | 106 | 309 | 356 | 331 | 171 | 270 | 180 | 151 | 151 |
| Takanini Urgent Care | 231 | 480 | 425 | 410 | 340 | 380 | 287 | 180 | 128 |
| Waiheke Medical Centre | 85 | 87 | 63 | 26 | 51 | 51 | 20 | 31 | 15 |
| Whanau House | 707 | 552 | 570 | 419 | 250 | 396 | 306 | 185 | 140 |
| Whanau Ora - Central | 1,714 | 385 | 400 | 410 | 258 | 247 | 201 | 115 | 96 |
| Whanau Ora - North | | 427 | 333 | 235 | 206 | 184 | 102 | 100 | 87 |
| Whanau Ora - South | | 618 | 708 | 404 | 246 | 347 | 312 | 200 | 143 |
| | | | | | | | | | |
| Waipuna Targeted Site | N/A | N/A | N/A | 19 | 124 | 223 | 43 | 43 | 62 |
| Blockhouse Bay Targeted Site | N/A | N/A | N/A | N/A | N/A | 50 | 44 | 21 | 30 |
| | | | | | | | | | |

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|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Total | 4,482 | 5,934 | 6,558 | 5,040 | 4,130 | 4,566 | 3,466 | 2,406 | 1,899* |
| <p>* 20/8 day still in progress</p> <p>N/A = not open as a CTC</p> | | | | | | | | | |

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Appendix 4: Testing by DHB and Ethnicity

Note: this is the number of people tested. The numbers in the testing section above are the number of tests done.

| Number of people tested for COVID-19 from 12 August to 20 August 2020 | | | | | | |
|---|----------------------------|-----------------|---------------|---------------|--------------|----------------|
| | Prioritised Ethnicity MPAO | | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Unknown | Total |
| Auckland | 1,665 | 3,526 | 4,227 | 9,507 | 132 | 19,057 |
| Bay of Plenty | 1,321 | 160 | 257 | 3,474 | 26 | 5,238 |
| Canterbury | 910 | 340 | 780 | 7,490 | 83 | 9,603 |
| Capital and Coast | 790 | 574 | 629 | 4,858 | 71 | 6,922 |
| Counties Manukau | 3,720 | 10,489 | 4,506 | 6,358 | 142 | 25,215 |
| Hawkes Bay | 705 | 122 | 94 | 1,950 | 18 | 2,889 |
| Hutt Valley | 418 | 210 | 240 | 1,591 | 20 | 2,479 |
| Lakes | 1,458 | 232 | 276 | 1,865 | 53 | 3,884 |
| MidCentral | 542 | 132 | 185 | 2,139 | 30 | 3,028 |
| Nelson Marlborough | 293 | 78 | 84 | 2,120 | 13 | 2,588 |
| Northland | 1,845 | 125 | 140 | 2,351 | 18 | 4,479 |
| South Canterbury | 87 | 15 | 37 | 835 | 8 | 982 |
| Southern | 562 | 185 | 303 | 4,935 | 42 | 6,027 |
| Tairāwhiti | 493 | 33 | 29 | 457 | 3 | 1,015 |
| Taranaki | 392 | 29 | 89 | 1,404 | 21 | 1,935 |
| Waikato | 2,562 | 551 | 660 | 5,416 | 91 | 9,280 |
| Wairarapa | 107 | 17 | 14 | 478 | 0 | 616 |
| Waitematā | 2,225 | 2,163 | 3,404 | 12,283 | 110 | 20,185 |
| West Coast | 25 | 7 | 8 | 184 | 3 | 227 |
| Whanganui | 373 | 38 | 29 | 762 | 5 | 1,207 |
| Unknown | 746 | 372 | 317 | 2,101 | 535 | 4,071 |
| Total | 21,239 | 19,398 | 16,308 | 72,559 | 1,424 | 126,856 |

| Rate per 1000 people tested for COVID-19 from 12 August to 20 August 2020 | | | | | |
|---|----------------------------|-----------------|-------------|-------------|-------------|
| | Prioritised Ethnicity MPAO | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Total |
| Auckland | 38.3 | 62.9 | 22.6 | 36.4 | 34.8 |
| Bay of Plenty | 22.1 | 36.0 | 13.1 | 22.1 | 21.7 |
| Canterbury | 17.4 | 24.0 | 12.8 | 16.8 | 16.7 |
| Capital and Coast | 21.6 | 25.9 | 12.5 | 22.8 | 21.5 |
| Counties Manukau | 41.8 | 87.3 | 29.8 | 30.4 | 44.3 |
| Hawkes Bay | 16.3 | 19.0 | 10.3 | 18.0 | 17.3 |
| Hutt Valley | 16.0 | 18.0 | 12.8 | 16.9 | 16.4 |
| Lakes | 37.9 | 90.8 | 28.4 | 31.1 | 35.1 |
| MidCentral | 14.9 | 23.8 | 11.9 | 17.3 | 16.7 |
| Nelson Marlborough | 18.3 | 31.6 | 11.3 | 16.8 | 17.1 |
| Northland | 30.3 | 33.3 | 16.9 | 21.6 | 24.6 |
| South Canterbury | 16.4 | 30.7 | 15.6 | 16.2 | 16.4 |
| Southern | 16.7 | 26.9 | 11.7 | 18.4 | 18.1 |
| Tairāwhiti | 19.9 | 29.5 | 24.8 | 20.7 | 20.6 |
| Taranaki | 16.8 | 20.8 | 14.3 | 15.6 | 16.0 |
| Waikato | 26.6 | 41.3 | 15.0 | 20.1 | 21.9 |
| Wairarapa | 13.4 | 20.4 | 11.2 | 13.4 | 13.5 |
| Waitematā | 35.6 | 48.5 | 23.7 | 32.1 | 31.9 |
| West Coast | 6.4 | 27.7 | 8.6 | 6.8 | 7.1 |
| Whanganui | 21.5 | 25.0 | 9.9 | 17.7 | 18.6 |
| Total | 27.3 | 60.7 | 21.3 | 23.4 | 25.6 |



SITREP 029

Coronavirus disease 2019 (COVID-19)

Issued: **1030 hours 22 August 2020**

Information current at: **1000 hours**

This report provides a daily update on the COVID-19 health system response. New information is denoted by red text.

Please use the single point of contact email covid-19response@health.govt.nz for help / support. Your email will be logged and promptly passed to the appropriate team.

This document is classified IN CONFIDENCE and not for further distribution.

Need to know

Total number of active cases: 111

Total number of cases in the community since (and including) 12th August: 95

New cases last 24 hours (0900 21th to 0900 22st): **6**

Estimated recovered: 0

Estimated active: **95**

Total number of cases detected from people coming through the border, since (and including) 9th June: 102

New cases last **24** hours: 0

Estimated recovered: **86**

Estimated active: **16**

Total number of tests processed 21 August: 12,256

Tests completed last 7 days: (15th to 21th August): **137,216**

Total tests completed to date: **685,476**

| Overall total number of cases in New Zealand as of 0900 22 August | | | | |
|---|-----------------|-----------------|---------------|------------------|
| Case Status | Active | Recovered | Deceased | Total |
| Confirmed | 111 (+6) | 1193 (-) | 17 | 1321 (+6) |
| Probable | 0 | 345 | 5 | 350 (-) |
| Total | 111 (+6) | 1538 (-) | 22 (-) | 1671 (+6) |

Detail:

1. As at 0900 22 August there are **95** current community cases in total as set out in the table below. This total comprises **92** cases linked to the cluster *Auckland Community Cluster August 2020*. Three cases are not currently genomically or epidemiologically linked. Ongoing investigations are occurring to determine a link.
2. As at **0900 22 August** there are **six** additional cases since 0900 21 August 2020, **six** in the community and **none** detected from border testing.
3. Of the **six** new confirmed community cases reported since 0900 21 August: **four** are linked to the cluster with epidemiological links with other confirmed cases. Two are under investigation.
4. New cases with no epidemiological link to date:
 - o One case came through the border on **s 9(2)(a)** and was transferred to a quarantine facility at that time. The case tested negative at day three and day twelve of quarantine. The case was swabbed at a mobile testing clinic in Auckland as the **s 9(2)(a)** around the same period as an international confirmed case **s 9(2)(a)** **s 9(2)(a)**. Further investigations are ongoing to determine the epidemiological link for this case. This includes re-testing the case and testing household members. We will request urgent action on this today.
 - o The other case is **s 9(2)(a)** that has presented to ED overnight to **s 9(2)(a)** Hospital. This case is being scoped and investigated

| Community cases by DHB as of 0900 22 August | | | | | |
|--|-------------------------|------------------|-----------------|----------------|----------------|
| Case Status | Counties Manukau | Waitematā | Auckland | Waikato | Total |
| Confirmed | 46 (+3) | 16 (+2) | 30 (+1) | 3 | 95 (+6) |
| Probable | 0 | 0 | 0 | 0 | 0 |
| Total | 46 (+3) | 16 (+2) | 30 (+1) | 3 | 95 (+6) |

5. As at **0900 22 August** there have been no new cases detected at the border. In total there are **102** cases that have been detected at the border since the establishment of MIFs/MIQs.
6. As of **0800 22 August** there are **nine** people in hospital:
 - o Two in Auckland City Hospital (stable)
 - o **Four** in Middlemore Hospital (**one** stable, **three** critical)
 - o **Two** in North Shore Hospital (stable)
 - o One in Waikato Hospital (stable)

s 9(2)(a)

7. Currently there are 145 people in Jet Park associated with the cases in the community. Of these 75 are confirmed cases.

Health system response

Overall approach

8. Our investigation has two main focus areas that run in parallel:
- **Source attribution** – a focus on investigating the case with the earliest symptom onset date to gather details actions of movements 14 days prior. This will help to understand the possible source of the new outbreak.
 - **Containment** – rigorous case investigation, identification of close contacts and isolation and testing to ensure that chain of transmission is broken.

Investigation: Auckland Community Cluster August 2020

Auckland case investigation updates

Americold (two sites with confirmed cases)

9. Across the two Americold sites there has been a total of 76 people tested. Of these, 10 are positive, 66 are negative.
10. The contractor list is being reconciled with the previously identified close contacts and remains under investigation. Education for businesses around COVID-19 reporting is required to ensure rapid contact tracing.
11. 12 day testing of Mt Wellington Americold workers has been offered by a mobile team and staff aware they cannot return to work without a negative test.

Finance Now

12. 158 of 158 staff at Finance Now have been tested. Five are positive, 147 are negative, and six results are pending. We will be following up on these results.
13. 31 of 31 Finance Now family close contacts have all tested negative.¹

NZ Post Distribution Centre

14. A NZ Post distribution centre is associated with the cluster. An existing case reported on 16 August 2020 is an employee at the distribution centre and worked there while infectious. The PHU in collaboration with the employer has reclassified the entire shift

¹ Contact Testing Results Table 0830, 20 August 20

that the case worked on as close contacts. This shift includes approximately 70 people have been stood down and asked to self-isolate at home. These people will be retested on day 12.

15. Four NZ Post close contacts have tested negative. Over 200 possible contacts (not defined as close or casual) were tested 19 August. We will be following up on these results. Approximately 30% have been tested, of these all are negative.

Other Locations

16. As at 21 August there were a total of 260 close contacts identified at the five churches linked to the cluster. Details below:
- Church one: 51 of the 88 close contacts have been tested, results pending. s 9(2)(a)
[REDACTED]
[REDACTED]
 - Church two: 69 of the 81 contacts (close/casual to be determined) have recorded a test, results pending. s 9(2)(a)
[REDACTED]
 - Church three: A list of congregational members could not be provided at this time, however on-site testing has been offered. More information is being sought, and will be provided as it becomes available.
 - Church four: 50 of the 54 contacts (close/casual to be determined) have recorded a test, results pending. s 9(2)(a)
[REDACTED]
[REDACTED]
 - Church five: members of the church have been identified as casual contacts and are not required to be tested, but members have been offered testing.
 - In regards to day 12 testing recommendations for three of the churches, the Otara CTC is prepared to receive those who do not attend on-site or an invite only Community Testing Centres (CTCs) and will batch swabs by location (e.g. Church Name)
17. All staff and residents at the Rydges Hotel in Auckland are going to be retested. This is due to the inability to establish a link to the maintenance worker. All s 9(2)(a) household contacts of the maintenance worker have tested negative, all s 9(2)(a) work close contacts have been ordered for testing. We will report on the results of the testing as it is reported. A possible link to a confirmed case (guest) has been re-interviewed and no connection is evident.
18. A case that has been linked to the cluster through genomic sequencing but without a direct link determined, has been traced using CCTV footage. A potential link between this case and a case working in a customer facing retail position has been identified. This is being further investigated.
19. The community case under investigation who works in St Lukes Mall has been linked to the current community outbreak using whole genome sequencing. However, there is no known epidemiological link, and investigations continue into the source of

exposure. The case tested positive for COVID-19 on 18 August 2020, and has been in isolation since then.

Waikato case investigation updates

20. A close household contact of the two existing cases from Tokoroa tested positive for COVID-19 on August the 19th. [redacted] has been in isolation at home since 12th August, the date when the two existing cases tested positive. s 9(2)(a) [redacted]
[redacted] The remaining household contacts of the existing Tokoroa cases are isolating at home and **all 18 tested have returned negative results.**
21. **Five close contacts at the college associated with an existing confirmed case have all tested negative.**

Updates from ESR and wider testing

22. **No links have been found between the community outbreak genome sequencing with the 27 full genomes currently available from cases in managed isolation facilities (MIFs). None of the genomes from MIFs belong to the B1.1.1 s 9(2)(g)(i) [redacted]
[redacted]
[redacted]**
23. s 9(2)(g)(i) [redacted]
[redacted]
[redacted]
[redacted]
[redacted]

Contact Tracing

24. Information current as at 0900 22 August.
25. Over the period 13 – 19 August **84% (952 of 804)** of close contacts have been contacted within 48 hrs of being determined to be a contact.
26. Since the 11 August, **2,060** close contacts have been identified and recorded in the National Contact Tracing Solution, **2,004** of these have been contacted and are self-isolating, and we are in the process of contacting the rest.

| | 19/08/2020 | 20/08/2020 | 21/08/2020 | 22/08/2020 |
|---|--------------|--------------|-------------|-------------|
| Number of close contacts identified | 1,983 | 1,987 | 2042 | 2060 |
| Number of close contacts successfully contacted | 1,861 | 1,920 | 1990 | 2004 |

² Interim WGS Analysis Report, 1300 21 August 20

| | | | | |
|--|----|----|----|----|
| Number of close contacts referred to "finding services"*** | 39 | 33 | 18 | 18 |
| Number of close contacts awaiting contact | 83 | 34 | 30 | 34 |

*Contacts loaded into the National Contact Tracing Solution, and managed by either the National Investigation and Tracing Unit or the Public Health Units. **N.B "Finding services" refers to the mechanism the National Close Contact Service uses to find valid contact details for close contacts we do not have the correct contact details for. These services utilise internal Ministry of Health databases along with Police, Customs and Airlines where relevant.

COVID-19 Tracer App usage

- 27. Total number of registered users, as at 0930 22 August: 1,712,000
- 28. QR code scans between midday 20 August and 0930 21 August: 1,179,250

Testing

Swab numbers

- 29. As at 0900 21 August, the number of swabs collected nationally is summarised as follows:

| Swab Stream | Number of swabs taken |
|----------------|-----------------------|
| Community | 3421 |
| MIF Staff | 104 |
| MIF Guests | 748 |
| Airport Staff | 72 |
| Maritime Staff | 49 |
| Total | 4,394 |

Please note the DHBs report swab numbers at different stages in the testing process, as such this data is likely to change over time.

Lab Testing numbers

- 30. For 21 August 12,256 lab tests were completed nationally; bringing the total number of tests to 137,216 in the last seven days (15 to 21 August). The total number of tests completed to date is 685,476³

³ Source: Daily Laboratory Operations Report, 08:45 21 August 2020

Testing Supply Update

31. Almost 400,000 swabs were put into circulation from bulk supply in the 8-day period ending 19 August 2020. 100,000 swabs arrived from Australia on 19 August 2020, and there are approximately 300,000 swabs due to arrive over the next week.
32. There are 288,560 tests available, using existing supplies already landed in New Zealand. s 9(2)(j) [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED].

Testing activity by region

Focus areas:

33. There are 20 testing sites in Auckland City. The volumes of tests have averaged 5,100 tests for the last six days.
34. Added testing activity has been developed in the regions, with an additional 19 designated community centres established outside of the Auckland city. These facilities have been collecting approximately 4,300 swabs each day.
35. The 20 testing sites in Auckland city together with the 19 designated community centres outside of the city make the 39 designated community centres in the wider Auckland region.

Healthline updates

36. On 21 August we had 3,428 contacts in Healthline (compared to 919 on the same day last year). Of those calls, 1,610 were to the Covid Info line. On 20 August demand on 1737 Need to talk? and other mental health services was 649 contacts (10.8% higher than forecast and compared to 603 on the same day last year).
37. Wait times were well managed with no wait time for most of the day. Average wait time on 21 August for the COVID info line was 00:30 minutes.
38. The introduction of self-service text and digital channels on our IVR systems saw 72 people self-serve yesterday. More than half the people were wanting information on Auckland testing sites .⁴

The main themes yesterday / today:

- o People are delaying access to care for non-covid related symptoms. We also continued to have reports that people are afraid to enter the Auckland hospitals – key messages that reinforce that COVID patients in hospital are isolated rather “than on wards” could help reduce this

⁴ National Telehealth Service Coronavirus Update, 1000 22 August 20

- Tracer app not working – useful for any comms on the app to contain the 0800 number for helpdesk questions
- Symptomatic SU's wanting to be tested
- Yesterday we continued to see racist views expressed to our staff on the virus
- Many people called about not getting any response to their application on exemptions who are providing essential services or have compassionate reasons, some of them waited for more than 5 days
- People complaining that they have not had test results back

Logistics

Health Workforce

39. We continue to work with TAS and all 20 GMsHR on workforce needs and issues – an initial data exercise was undertaken last week and we are developing a process whereby regular workforce intelligence information will be provided to Health Workforce, which in turn will be developed in to a regular dashboard. We expect this process to be agreed and in place at the end of this week
40. Upskilling of alternative workforces for testing continues to be progressed including plans for a training package and scoping of micro-credentialing, in addition to understanding where this workforce would be obtained from
41. We are working to identify people on the surge workforce who would be willing to work in an ARC facility in the event of an outbreak. We will also be meeting with ARC stakeholders next week to understand what additional workforce planning support can be undertaken and any lessons learnt from the recent events in ARC facilities in Melbourne (as they relate to workforce)

Hospital Capacity

42. As at 0800 22 August 2020, ICU and HDU bed, ventilators, and ward beds are summarised as follows:

| Type | Number of Units | Number Occupied / in use |
|------------------|-----------------|--------------------------|
| ICU and HDU Beds | 307 | 206 (67.1%) |
| Ventilators | 272 | 51 (18.8%) |
| Ward Beds | 6,097 | 4,885 (80.1%) |

Appendix 1: Case summary

All cases reported in the community over the period 0900 **21** August to 0900 **22** August

| Case Number | Date Tested Positive | Onset Date | Case Status | DHB | Sex | Age | Ethnicity | Symptoms [Yes/No] | Hosp | Occupation | Source of Transmission |
|-------------------------|----------------------|------------|-------------|------------|------------|------------|------------|-------------------|------------|------------|------------------------|
| s 9(2)(a) [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |

Appendix 2: International case investigations

s 9(2)(a)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

s 9(2)(a)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

s 9(2)(a)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Appendix 3: COVID-19 Provisional Disease Indicators, by date of case notification

| Indicator (as per Table 9832) | Refined Indicator description | Target | 14 August | 15 August | 16 August | 17 August | 18 August* | 19 August* | 20 August* |
|-------------------------------|---|---------------------|-----------|-----------|-----------|-----------|------------|------------|------------|
| 1 - (S001) | Time from exposure to contact isolation / quarantine | 80% within 96 hours | 15% | 16% | 17% | 51% | n/a | n/a | n/a |
| 2 - (S002) | Time from case first symptom to contact isolation / quarantine | 80% within 96 hours | 44% | 45% | 30% | 48% | n/a | n/a | n/a |
| 3 - (S003) | Time from test sample taken to close contact isolation / quarantine | 80% within 72 hours | 84% | 93% | 42% | 100% | 82% | n/a | n/a |
| 4 - (C001) | Time from first symptom to test sample taken for positive cases | 80% within 48 hours | 57% | 55% | 78% | 44% | 67% | 0% | n/a |
| 5 - (L001) | Time from test sample taken to notification of positive result | 80% within 24 hours | 100% | 33% | 89% | 43% | 89% | 67% | 43% (3/7) |
| 6 - (P002) | Time from case notification to isolation / quarantine of contact | 80% within 48 hours | 83% | 97% | 91% | 100% | 82% | 83% | n/a |

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| | | | | | | | | | |
|-------------|--|---------------------|------|------|------|------|------|------|-------------|
| 7 – (P001) | Time from notification to case interview | 80% within 24 hours | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| 8 – (P003) | Time from close contact identification to isolated / quarantined | 80% within 24 hours | 82% | 98% | 62% | 93% | 100% | 83% | 48% (11/23) |
| 10 – (P004) | Proportion of contacts traced in 48 hours | 80% within 48 hours | 84% | 97% | 91% | 100% | 82% | 83% | n/a |
| C – (S005) | Proportion of close contacts with confirmed or suspected COVID-19 at the time of tracing | <20% | 0% | 2% | 2% | 1% | 0% | 0% | 0% |

Note:

- **Data is not available for metrics where the time/days to reach target has not fully elapsed*
- *These metrics report all cases during the specified period, including those in Managed Isolation and Quarantine, and do not include casual contacts.*

There are three additional indicators under development requiring both technical and clinical input to define data requirements. These are due to be completed by end October 2020

APPENDIX: 4

NRHCC Testing Report Novel Coronavirus (COVID-19) Issued: **1700 21 August 2020**

Key points:

- Regional lab capacity is now ~11,000 so current testing volumes are within capacity
- Occupational group for border workers relies on manual data entry which is behind due to significant volume pressure. We are still working with agencies to get employee lists to do reconciliations.

Table 1. Metro Auckland Summary Total of Testing for 19 August 2020

| | Community | MIQ staff | MIQ guests | Airport | Maritime port | TOTAL |
|---------------|-----------|-----------|------------|---------|---------------|-------------|
| 5:00pm | 1486 | 97 | 596 | 53 | 0 | 2232 |

*

Table 2. Totals tests receipted from 12-19 August 2020, by ethnicity (as at 5pm)

| | 12/08 /2020 | 13/08 /2020 | 14/08 /2020 | 15/08 /2020 | 16/08 /2020 | 17/08 /2020 | 18/08 /2020 | 19/08 /2020 | 20/08 /2020 | 21/08 /2020 | Grand Total |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Asian | 1759 | 2281 | 2479 | 1768 | 1425 | 2339 | 1476 | 1212 | 896 | 118 | 15753 |
| Māori | 1736 | 2206 | 2668 | 1593 | 1231 | 2029 | 1450 | 1088 | 917 | 160 | 15078 |
| Other | 6009 | 6071 | 7182 | 4186 | 3304 | 5205 | 3523 | 2687 | 1788 | 315 | 40270 |
| Pacific | 1577 | 2580 | 3538 | 3314 | 3039 | 3266 | 2457 | 1698 | 1291 | 201 | 22961 |

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| | | | | | | | | | | | |
|--------------------|--------------|--------------|--------------|--------------|-------------|--------------|-------------|-------------|-------------|------------|--------------|
| Unknown | 152 | 88 | 185 | 177 | 164 | 86 | 186 | 121 | 73 | 53 | 1285 |
| Grand Total | 11233 | 13226 | 16052 | 11038 | 9163 | 12925 | 9092 | 6806 | 4965 | 847 | 95347 |

* 20 & 21/8 day tally still in progress

Table 3. Total Tests receipted in last 24 hours* by site (as at 5pm) by ethnicity

| Ethnicity | CTC | Non-CTC [#] | Total | % |
|--------------|-------------|----------------------|-------------|-------|
| Asian | 347 | 337 | 684 | 17.8% |
| Māori | 319 | 373 | 692 | 18.0% |
| Other | 612 | 806 | 1418 | 37.0% |
| Pacific | 477 | 439 | 916 | 23.9% |
| Unknown | 46 | 78 | 124 | 3.2% |
| Total | 1801 | 2033 | 3834 | |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

[#]Includes GP clinics, Urgent Care Centres, Designated practices

Table 4. Total Tests receipted by ethnicity for last 24 hours and total since 12 August

| Ethnicity | Last 24 Hours | % | Total since 12/8* | % |
|-----------|---------------|---|-------------------|---|
|-----------|---------------|---|-------------------|---|

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IN CONFIDENCE – NOT FOR DISTRIBUTION

| | | | | |
|----------------|-------------|-------|--------------|-------|
| Asian | 684 | 17.8% | 15753 | 16.5% |
| Māori | 692 | 18.0% | 15078 | 15.8% |
| Other | 1418 | 37.0% | 40270 | 42.2% |
| Pacific | 916 | 23.9% | 22961 | 24.1% |
| Unknown | 124 | 3.2% | 1285 | 1.3% |
| Total | 3834 | | 95347 | |

Table 4. Estimated tests taken 12-20 August 2020, based on manual site reports at 5pm

| Site | | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08 | 19/08 | 20/08 | 21/08* |
|-------------|---------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| MIQ | Staff | 349 | 850 | 575 | 221 | 137 | 141 | 117 | 41 | 164 | 97 |
| | Guests | 467 | 458 | 838 | 667 | 542 | 415 | 625 | 600 | 255 | 596 |
| | | | | | | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 237 | 278 | 301 | 173 | 90 | 53 |
| | Port | No testing | 290 | 270 | 510 | 518 | 607 | 34 | 14 | 21 | 0 |
| | | | | | | | | | | | |

* 21/8 day still in progress

Table 5: Estimated tests taken at Metro Auckland CTCs, 12-20 August 2020, based on manual site reports at 5pm

| Site | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08 | 19/08 | 20/08 | 21/08 |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Airport Oaks | N/A | 265 | 409 | 328 | 146 | 192 | 123 | 49 | 37 | 50 |

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IN CONFIDENCE – NOT FOR DISTRIBUTION

| | | | | | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Auckland Netball Centre | N/A | N/A | N/A | N/A | 192 | 204 | 231 | 244 | 136 | 90 |
| Botany CTC | 150 | 270 | 260 | 241 | 230 | 200 | 205 | 135 | 141 | 90 |
| Coast to Coast Warkworth | 66 | 92 | 92 | 26 | 25 | 27 | 22 | 17 | 15 | 12 |
| Coast to Coast Wellsford | 33 | 68 | 61 | 6 | 19 | 42 | 15 | 26 | 15 | 11 |
| Eventfinda Stadium | 134 | 563 | 620 | 320 | 163 | 175 | 112 | 64 | 48 | 55 |
| Health New Lynn | 700 | 812 | 550 | 324 | 217 | 391 | 265 | 165 | 94 | 127 |
| Henderson | N/A | 288 | 321 | 189 | 142 | 182 | 125 | 87 | 85 | 53 |
| Mangere Town Centre | N/A | N/A | 609 | 585 | 554 | 391 | 374 | 245 | 218 | 155 |
| Manurewa Marae | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 24 | 45 | 34 |
| Northcare A&M | N/A | N/A | N/A | 115 | 138 | 125 | 68 | 61 | 50 | 45 |
| Otara CTC | 556 | 718 | 781 | 603 | 563 | 489 | 429 | 239 | 161 | 147 |
| Pukekohe CTC | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 14 | 52 | 38 |
| St Lukes | 106 | 309 | 356 | 331 | 171 | 270 | 180 | 151 | 151 | 90 |
| Takanini Urgent Care | 231 | 480 | 425 | 410 | 340 | 380 | 287 | 180 | 128 | 94 |
| Waiheke Medical Centre | 85 | 87 | 63 | 26 | 51 | 51 | 20 | 31 | 15 | 14 |
| Whanau House | 707 | 552 | 570 | 419 | 250 | 396 | 306 | 185 | 140 | 100 |

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IN CONFIDENCE – NOT FOR DISTRIBUTION

| | | | | | | | | | | | | | | | | |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|--|--|--|--|--|
| Whanau Ora - Central | 1,714 | 385 | 400 | 410 | 258 | 247 | 201 | 115 | 96 | 77 | | | | | | |
| Whanau Ora - North | | 427 | 333 | 235 | 206 | 184 | 102 | 100 | 87 | 68 | | | | | | |
| Whanau Ora - South | | 618 | 708 | 404 | 246 | 347 | 312 | 200 | 143 | 80 | | | | | | |
| | | | | | | | | | | | | | | | | |
| Waipuna Targeted Site | N/A | N/A | N/A | 19 | 124 | 223 | 43 | 43 | 62 | 34 | | | | | | |
| Blockhouse Bay Targeted Site | N/A | N/A | N/A | N/A | N/A | 50 | 44 | 21 | 30 | 26 | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 1486 | | | | | | |
| Total | 4,482 | 5,934 | 6,558 | 5,040 | 1,899 | 4,566 | 3,466 | 2,406 | 1,899 | | | | | | | |

* 21/8 day still in progress

N/A = not open as a CTC

IN CONFIDENCE – NOT FOR DISTRIBUTION

Appendix 5: Testing by DHB and Ethnicity

Note: this is the number of people tested. The numbers in the testing section above are the number of tests done.

| Number of people tested for COVID-19 from 12 August to 21 August 2020 | | | | | | |
|---|----------------------------|-----------------|--------------|--------------|-------------|---------------|
| | Prioritised Ethnicity MPAO | | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Unknown | Total |
| Auckland | 1695 | 3597 | 4302 | 9646 | 133 | 19373 |
| Bay of Plenty | 1384 | 161 | 265 | 3552 | 26 | 5388 |
| Canterbury | 931 | 353 | 810 | 7678 | 86 | 9858 |
| Capital and Coast | 792 | 576 | 631 | 4870 | 72 | 6941 |
| Counties Manukau | 3797 | 10629 | 4571 | 6436 | 144 | 25577 |
| Hawkes Bay | 726 | 124 | 98 | 2004 | 18 | 2970 |
| Hutt Valley | 420 | 210 | 241 | 1595 | 20 | 2486 |
| Lakes | 1545 | 237 | 296 | 1979 | 53 | 4110 |
| MidCentral | 543 | 132 | 185 | 2139 | 30 | 3029 |
| Nelson Marlborough | 303 | 80 | 87 | 2182 | 14 | 2666 |
| Northland | 1881 | 127 | 143 | 2398 | 18 | 4567 |
| South Canterbury | 87 | 15 | 37 | 836 | 8 | 983 |
| Southern | 562 | 185 | 305 | 4936 | 42 | 6030 |
| Tairāwhiti | 493 | 33 | 29 | 457 | 3 | 1015 |
| Taranaki | 403 | 30 | 91 | 1448 | 22 | 1994 |
| Waikato | 2564 | 551 | 661 | 5417 | 92 | 9285 |
| Wairarapa | 107 | 18 | 14 | 478 | NA | 617 |
| Waitematā | 2244 | 2186 | 3435 | 12412 | 114 | 20391 |
| West Coast | 25 | 7 | 8 | 188 | 3 | 231 |
| Whanganui | 373 | 38 | 29 | 763 | 5 | 1208 |
| Unknown | 774 | 380 | 327 | 2144 | 541 | 4167 |
| Total | 21649 | 19669 | 16565 | 73559 | 1444 | 132886 |

| Rate per 1000 people tested for COVID-19 from 12 August to 21 August 2020 | | | | | |
|---|----------------------------|-----------------|-------------|-------------|-------------|
| | Prioritised Ethnicity MPAO | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Total |
| Auckland | 39.0 | 64.1 | 23.0 | 36.9 | 35.3 |
| Bay of Plenty | 23.1 | 36.2 | 13.5 | 22.6 | 22.3 |
| Canterbury | 17.8 | 24.9 | 13.3 | 17.2 | 17.2 |
| Capital and Coast | 21.7 | 26.0 | 12.6 | 22.9 | 21.6 |
| Counties Manukau | 42.6 | 88.5 | 30.2 | 30.8 | 44.9 |
| Hawkes Bay | 16.8 | 19.3 | 10.7 | 18.5 | 17.8 |
| Hutt Valley | 16.1 | 18.0 | 12.8 | 16.9 | 16.5 |
| Lakes | 40.2 | 92.8 | 30.4 | 33.0 | 37.1 |
| MidCentral | 14.9 | 23.8 | 11.9 | 17.3 | 16.7 |
| Nelson Marlborough | 18.9 | 32.4 | 11.7 | 17.3 | 17.6 |
| Northland | 30.9 | 33.8 | 17.3 | 22.0 | 25.1 |
| South Canterbury | 16.4 | 30.7 | 15.6 | 16.2 | 16.4 |
| Southern | 16.7 | 26.9 | 11.8 | 18.5 | 18.1 |
| Tairāwhiti | 19.9 | 29.5 | 24.8 | 20.7 | 20.6 |
| Taranaki | 17.3 | 21.5 | 14.6 | 16.1 | 16.5 |
| Waikato | 26.6 | 41.3 | 15.0 | 20.1 | 21.9 |
| Wairarapa | 13.4 | 21.7 | 11.2 | 13.4 | 13.5 |
| Waitematā | 35.9 | 49.0 | 23.9 | 32.5 | 32.2 |
| West Coast | 6.4 | 27.7 | 8.6 | 7.0 | 7.2 |
| Whanganui | 21.5 | 25.0 | 9.9 | 17.7 | 18.6 |
| Total | 27.8 | 61.5 | 21.6 | 23.8 | 26.8 |



SITREP 030

Coronavirus disease 2019 (COVID-19)

Issued: **1030 hours 23 August 2020**

Information current at: **1000 hours**

This report provides a daily update on the COVID-19 health system response. New information is denoted by red text.

Please use the single point of contact email covid-19response@health.govt.nz for help / support. Your email will be logged and promptly passed to the appropriate team.

This document is classified IN CONFIDENCE and not for further distribution.

Need to know

Total number of active cases: 114

Total number of cases in the community since (and including) 12th August: 96

New cases last 24 hours (0900 21st to 0900 22nd): **1**

Estimated recovered: 0

Estimated active: **96**

Total number of cases detected from people coming through the border, since (and including) 9th June: 104

New cases last 24 hours: **2**

Estimated recovered: **86**

Estimated active: **18**

Total number of tests processed 22 August: 7,005

Tests completed last 7 days: (16th to 22nd): 120,539

Total tests completed to date: **692,481**

| Overall total number of cases in New Zealand as of 0900 23 August | | | | |
|---|-----------------|-----------------|---------------|------------------|
| Case Status | Active | Recovered | Deceased | Total |
| Confirmed | 114 (+3) | 1193 (-) | 17 | 1324 (+3) |
| Probable | 0 | 345 | 5 | 350 |
| Total | 114 (+3) | 1538 (-) | 22 (-) | 1674 (+3) |

Detail:

1. As at 0900 23 August there are **96** current community cases in total as set out in the table below. This total comprises **93** cases linked to the cluster *Auckland Community Cluster August 2020*. Three cases are not currently genomically or epidemiologically linked. Ongoing investigations are occurring to determine links, **see detail below in (4)**.
2. As at **0900 23 August** there are **three** additional cases since 0900 22 August 2020, **one** in the community and **two** detected from border testing.
3. The **one** new confirmed community case reported since 0900 22 August is linked to the current cluster with epidemiological links with other confirmed cases.

| Community cases by DHB as of 0900 23 August | | | | | |
|--|-------------------------|------------------|-----------------|----------------|----------------|
| Case Status | Counties Manukau | Waitematā | Auckland | Waikato | Total |
| Confirmed | 46 | 16 | 31 (+1) | 3 | 96 (+1) |
| Probable | 0 | 0 | 0 | 0 | 0 |
| Total | 46 | 16 | 31 (+1) | 3 | 96 (+1) |

4. **There are three existing cases with no epidemiological link to date:**
 - One case came through the border on 18 June 2020 and was transferred to a quarantine facility at that time. The case tested negative at day three and day twelve of quarantine. The case was swabbed at a mobile testing clinic in Auckland as the **s 9(2)(a)** around the same period as an international confirmed case **s 9(2)(a)**. **The case tested positive on August 21. s 9(2)(a)** **Samples from this case are being couriered to ESR today (23 August) for urgent sequencing tomorrow (24 August).**
 - One case is a **s 9(2)(a)** person that presented to ED overnight 21 August to **s 9(2)(a)** Hospital. **Samples from this case are being couriered to ESR today (23 August) for urgent sequencing tomorrow (24 August).**
 - **The third case is a MIF worker who was confirmed positive on 16 August. Initial whole genome sequencing on 17 August showed no link to the current cluster. Additional sequencing has now determined that this case is most genetically similar to a border case who arrived on 28 July to the facility where the MIF worker is employed, and tested positive on 31 August. Additional investigations are underway to determine how the two cases may have come into contact.**
5. As at **0900 23 August** there have been **two new cases** detected at the border **since 0900 22 August**. In total there are **104** cases that have been detected at the border since the establishment of MIFs/MIQs.

- One of the cases arrived in New Zealand from Croatia via Switzerland and Hong Kong on 16 August. They were tested as per routine day 3 testing and will be transferred to Jet Park for further managed isolation.

- s 9(2)(a)

[REDACTED]

6. As of 0900 23 August there are nine people in hospital:

- Two in Auckland City Hospital (stable)
- Four in Middlemore Hospital (one stable, three in ICU: two critical, one expected to be transferred to ward today).
- Two in North Shore Hospital (stable)
- One in Waikato Hospital (stable)

s 9(2)(a)

[REDACTED]

7.

[REDACTED]

Health system response

Overall approach

8. Our investigation has two main focus areas that run in parallel:
- **Source attribution** – a focus on investigating the case with the earliest symptom onset date to gather details actions of movements 14 days prior. This will help to understand the possible source of the new outbreak.

- **Containment** – rigorous case investigation, identification of close contacts and isolation and testing to ensure that chain of transmission is broken.

Investigation: Auckland Community Cluster August 2020

Auckland case investigation updates

Americold (two sites with confirmed cases)

9. Across the two Americold sites there has been a total of 76 people tested. Of these, 10 are positive, 66 are negative.
10. The contractor list is being reconciled with the previously identified close contacts and remains under investigation. Education for businesses around COVID-19 reporting is required to ensure rapid contact tracing. **So far 3 identified contractors have been tested and have returned negative results.**
11. 12 day testing of Mt Wellington Americold workers has been offered by a mobile team and staff aware they cannot return to work without a negative test.

Finance Now

12. **206 of 216 s 9(2)(a) [REDACTED] contacts at Finance Now have been tested. Seven are positive s 9(2)(a) [REDACTED] 199 are negative. No pending results remain. We will provide additional details about the outstanding 10 people as they become available.**
13. 31 of 31 Finance Now family close contacts have all tested negative. ¹

NZ Post Distribution Centre

14. A NZ Post distribution centre is associated with the cluster. An existing case reported on 16 August 2020 is an employee at the distribution centre and worked there while infectious. The PHU in collaboration with the employer has reclassified the entire shift that the case worked on as close contacts. This shift includes approximately 70 people have been stood down and asked to self-isolate at home. These people will be retested on day 12.
15. Four NZ Post close contacts have tested negative. Over 200 possible contacts (not defined as close or casual) were tested 19 August. We will be following up on these results. Approximately 30% have been tested, of these all are negative.

Other Locations

16. **A new setting is being scoped. This is the workplace of a case identified yesterday. So far eight contacts have been identified and are being followed up.**
17. As at 21 August there were a total of 260 close contacts identified at the five churches linked to the cluster. Details below:

¹ Contact Testing Results Table 0830, 23 August 20

- Church one: 75 of the 88 close contacts have been tested. 60 returned negative results and 11 returned positive results, 4 are pending. § 9(2)(a) [REDACTED]
[REDACTED]
[REDACTED] Church members are continuing to attend for day 12 testing.
 - Church two: 69 of the 81 contacts (close/casual to be determined) have recorded a test, results pending. § 9(2)(a) [REDACTED]
[REDACTED]. Church members are continuing to attend for day 12 testing.
 - Church three: A list of congregational members could not be provided at this time, however on-site testing has been offered. More information is being sought, and will be provided as it becomes available.
 - Church four: 50 of the 54 contacts (close/casual to be determined) have recorded a test, results pending. § 9(2)(a) [REDACTED]
[REDACTED]
[REDACTED] Church members are continuing to attend for day 12 testing.
 - Church five: members of the church have been identified as casual contacts and are not required to be tested, but members have been offered testing.
 - In regards to day 12 testing recommendations for three of the churches, the Otara CTC is prepared to receive those who do not attend on-site or an invite only Community Testing Centres (CTCs) and will batch swabs by location (e.g. Church Name)
18. All staff and residents at the Rydges Hotel in Auckland are going to be retested. This is due to the inability to establish a link to the maintenance worker. All § 9(2)(a) household contacts of the maintenance worker have tested negative, all § 9(2)(a) work close contacts have been ordered for testing. We will report on the results of the testing as it is reported. A possible link to a confirmed case (guest) has been re-interviewed and no connection is evident.
19. A case that has been linked to the cluster through genomic sequencing but without a direct link determined, has been traced using CCTV footage. A potential link between this case and a case working in a customer facing retail position has been identified. This is being further investigated.
20. A community case St Lukes Mall worker tested positive on 18 August has been linked to the current community outbreak using whole genome sequencing. Further investigations are being undertaken to identify an epidemiological link. It has been identified that the St Lukes Mall worker was on the bus at the same time as another confirmed case. This may explain an epidemiological link, and further investigations are underway to verify.
21. A new case reported § 9(2)(a) [REDACTED] that was admitted to hospital overnight has been associated with two new § 9(2)(a) [REDACTED] exposure settings. § 9(2)(a) [REDACTED]
[REDACTED] The case wasn't in § 9(2)(a) [REDACTED] for a long period of time, and any possible contacts would be considered casual contacts. ARPHS have determined there is no further contact tracing needed for the new exposure settings.

Waikato case investigation updates

22. A close household contact of the two existing cases from Tokoroa tested positive for COVID-19 on August the 19th. [REDACTED] has been in isolation at home since 12th August, the date when the two existing cases tested positive. s 9(2)(a) [REDACTED]
[REDACTED] The remaining household contacts of the existing Tokoroa cases are isolating at home and all 18 tested have returned negative results.
23. Five close contacts at the college associated with an existing confirmed case have all tested negative.

Updates from ESR and wider testing

24. A whole genome sequencing report from ESR, for a further eight community cases that are thought to have epidemiological links to the cluster, are also genomically linked with the cluster. The cases included in this report are part of the Americold workplace, Americold household contacts, and household contacts of cases related to a church in Auckland.
25. No links have been found between the community outbreak genome sequencing with the 29 full genomes currently available from cases in managed isolation facilities (MIFs). None of the genomes from MIFs belong to the B.1.1.1 clade. s 9(2)(g)(i) [REDACTED]
[REDACTED]
[REDACTED]
26. s 9(2)(g)(i) [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Contact Tracing

27. Information current as at 0900 23 August.
28. Over the period 14 – 20 August **79%** (611 of 773) of close contacts have been contacted within 48 hrs of being determined to be a contact.
29. Since the 11 August, 2,310 close contacts have been identified and recorded in the National Contact Tracing Solution, 2,219 of these have been contacted and are self-isolating, and we are in the process of contacting the rest.

| | 20/08/2020 | 21/08/2020 | 22/08/2020 | 23/08/2020 |
|--|--------------|-------------|-------------|-------------|
| Number of close contacts identified | 1,987 | 2042 | 2228 | 2308 |

² Interim WGS Analysis Report, 1300 21 August 20

| | | | | |
|--|-------|------|------|------|
| Number of close contacts successfully contacted | 1,920 | 1990 | 2067 | 2219 |
| Number of close contacts referred to "finding services"*** | 33 | 18 | 23 | 26 |
| Number of close contacts awaiting contact | 34 | 30 | 138 | 63 |

*Contacts loaded into the National Contact Tracing Solution, and managed by either the National Investigation and Tracing Unit or the Public Health Units. Contacts from MIQ and overseas cases are not included in this report.

**N.B "Finding services" refers to the mechanism the National Close Contact Service uses to find valid contact details for close contacts we do not have the correct contact details for. These services utilise internal Ministry of Health databases along with Police, Customs and Airlines where relevant.

COVID-19 Tracer App usage

- 30. Total number of registered users, as at 0930 23 August: 1,744,000
- 31. QR code scans between midday 22 August and 0930 23 August: 1,094,029

Testing

Swab numbers

- 32. As at 0900 22 August, the number of swabs collected nationally is summarised as follows:

| Swab Stream | Number of swabs taken |
|----------------|-----------------------|
| Community | 1,594 |
| MIF Staff | 12 |
| MIF Guests | 800 |
| Airport Staff | 35 |
| Maritime Staff | 4 |
| Total | 2,445 |

Please note the DHBs report swab numbers at different stages in the testing process, as such this data is likely to change over time.

Lab Testing numbers

33. For 22 August 7,005 lab tests were completed nationally; bringing the total number of tests to 120,539 in the last seven days (16 to 22 August). The total number of tests completed to date is 692,481.³

Testing Supply Update

34. The estimated number of tests available in NZ is 280,000.
35. Swab deliveries are expected early this week of 100,000, and a further 200,000 by the end of the week.

Testing activity by region

Focus areas:

36. The 20 testing sites in Auckland city together with the 19 designated community centres outside of the city make the 39 designated community centres in the wider Auckland region.
37. Day 12 testing for three Auckland churches and Americold warehouse staff and wider site is continuing this weekend with dedicated close contact community testing centres.

Healthline updates

38. On 22 August we had 3,121 contacts in Healthline (compared to 991 on the same day last year). Of those calls, 1,069 were to the Covid Info line. On 22 August demand on 1737 Need to talk? and other mental health services was 583 contacts (0.5% lower than forecast and compared to 550 on the same day last year).
39. Wait times were well managed with no wait time for most of the day. Average wait time on 22 August for the COVID info line was 01:49 minutes.
40. The introduction of self-service text and digital channels on our IVR systems saw 62 people self-serve yesterday. More than half the people were wanting information on Auckland testing sites.⁴

The main themes yesterday / today:

- Yesterday we had a number of calls from elderly service users who live alone – needing both medical advice (some who had delayed) and general advice on the rules around level 3 – i.e. can I go out at all.
- Yesterday for both frontline and self-service channels there was a sharp increase in people wanting general information about the virus; for example what it is, and how it infects people.

³ Source: Daily Laboratory Operations Report, 08:45 23 August 2020

⁴ National Telehealth Service Coronavirus Update, 1000 23 August 20

- Symptomatic SU's wanting to be tested.
- Yesterday continued to see racist views expressed to Healthline staff.
- Many people called about not getting any response to their application on exemptions who are providing essential services or have compassionate reasons.
- People are also complaining that they have not had test results back yet.

Logistics

Health Workforce

41. We continue to work with TAS and all 20 GMsHR on workforce needs and issues – an initial data exercise was undertaken last week and we are developing a process whereby regular workforce intelligence information will be provided to Health Workforce, which in turn will be developed in to a regular dashboard. We expect this process to be agreed and in place at the end of this week.
42. Upskilling of alternative workforces for testing continues to be progressed including plans for a training package and scoping of micro-credentialing, in addition to understanding where this workforce would be obtained from.
43. We are working to identify people on the surge workforce who would be willing to work in an ARC facility in the event of an outbreak. We will also be meeting with ARC stakeholders next week to understand what additional workforce planning support can be undertaken and any lessons learnt from the recent events in ARC facilities in Melbourne (as they relate to workforce).

Hospital Capacity

44. As at 0800 **23 August**, ICU and HDU bed, ventilators, and ward beds are summarised as follows:

| Type | Number of Units | Number Occupied / in use |
|------------------|-----------------|--------------------------|
| ICU and HDU Beds | 275 | 163 (59.3%) |
| Ventilators | 237 | 33 (13.9%) |
| Ward Beds | 6,052 | 4,520 (74.7%) |

Appendix 1: Case summary

All cases reported in the community over the period 0900 **22** August to 0900 **23** August

| Case Number | Date Tested Positive | Onset Date | Case Status | DHB | Sex | Age | Ethnicity | Symptoms [Yes/No] | Hosp | Occupation | Source of Transmission |
|------------------|----------------------|------------|-------------|--------|-----|-----------|-----------|-------------------|------|------------------|--------------------------------------|
| ██████ ██████ | ██████ | ██████ | ██████ | ██████ | ██ | ███ ██ | ██████ | ██ | ██ | ██████ ██████ | s 9(2)(a) ██████ ██████ ██████ |

Appendix 2: International case investigations

s 9(2)(a)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

s 9(2)(a)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

s 9(2)(a)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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Appendix 3: COVID-19 Provisional Disease Indicators, by date of case notification

| Indicator (as per Table 9832) | Refined Indicator description | Target | 15 August | 16 August | 17 August | 18 August | 19 August** | 20 August** | 21 August** |
|-------------------------------|---|---------------------|-----------|-----------|-----------|-----------|-------------|----------------|-------------|
| 1 - (S001) | Time from exposure to contact isolation / quarantine | 80% within 96 hours | 8% | 18% | 53% | 50% | n/a | n/a | n/a |
| 2 - (S002) | Time from case first symptom to contact isolation / quarantine | 80% within 96 hours | 18% | 30% | 51% | 59% | n/a | n/a | n/a |
| 3 - (S003) | Time from test sample taken to close contact isolation / quarantine | 80% within 72 hours | 40% | 43% | 100% | 82% | 83% | n/a | n/a |
| 4 - (C001) | Time from first symptom to test sample taken for positive cases | 80% within 48 hours | 55% | 78% | 44% | 67% | 0% | 64% | n/a |
| 5 - (L001) | Time from test sample taken to notification of positive result | 80% within 24 hours | 33% | 89% | 43% | 89% | 67% | 43% (3/7) * | 80% |
| 6 - (P002) | Time from case notification to isolation / quarantine of contact | 80% within 48 hours | 42% | 91% | 100% | 82% | 83% | 85% | n/a |

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| | | | | | | | | | |
|-------------|--|---------------------|------|------|------|------|------|-------------|-------------|
| 7 – (P001) | Time from notification to case interview | 80% within 24 hours | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| 8 – (P003) | Time from close contact identification to isolated / quarantined | 80% within 24 hours | 79% | 63% | 93% | 100% | 83% | 74% (20/27) | 63% * (5/8) |
| 10 – (P004) | Proportion of contacts traced in 48 hours | 80% within 48 hours | 83% | 91% | 100% | 82% | 83% | 85% | n/a |
| C – (S005) | Proportion of close contacts with confirmed or suspected COVID-19 at the time of tracing | <20% | 1% | 2% | 1% | 0% | 0% | 0% | 0% |

Note:

- *The numerator and denominator for L001 pm 20 Aug, and P003 for 20 and 21 August are provided to show small numbers.
- **Data is not available for metrics where the time/days to reach target has not fully elapsed
- These metrics report all cases during the specified period, including those in Managed Isolation and Quarantine, and do not include casual contacts.

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APPENDIX: 4

NRHCC Testing Report Novel Coronavirus (COVID-19) Issued: **1700 22 August 2020**

Key points:

- Regional lab capacity is now ~11,000 so current testing volumes are within capacity

Table 1. Metro Auckland Summary Total of Testing for 22 August 2020 (Estimates)

| | Community | MIQ staff | MIQ guests | Airport | Maritime port | TOTAL |
|---------------|-----------|-----------|------------|---------|---------------|-------------|
| 5:00pm | 1190 | 12 | 800 | 34 | 0 | 2036 |

*

Table 2. Totals tests receipted at the lab from 12-22 August 2020, by ethnicity (as at 5pm)

| | Last 24 Hours | % | Total since 12/8* | % |
|----------------|---------------|-------|-------------------|-------|
| Asian | 490 | 15.4% | 16624 | 16.5% |
| Māori | 486 | 15.2% | 15910 | 15.8% |
| Other | 1170 | 36.7% | 42328 | 42.1% |
| Pacific | 887 | 27.8% | 24363 | 24.2% |
| Unknown | 156 | 4.9% | 1373 | 1.4% |

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| | | | | |
|--------------------|--------------|--|----------------|--|
| Grand Total | 3,189 | | 100,598 | |
|--------------------|--------------|--|----------------|--|

* 22/8 day still in progress

Table 3. Total Tests receipted at the lab in last 24 hours by site (as at 5pm)

| Ethnicity | CTC | Non-CTC | Total | % |
|------------------|-------------|----------------|--------------|----------|
| Asian | 222 | 268 | 490 | 15.4% |
| Māori | 237 | 249 | 486 | 15.2% |
| Other | 525 | 645 | 1170 | 36.7% |
| Pacific | 527 | 360 | 887 | 27.8% |
| Unknown | 114 | 42 | 156 | 4.9% |
| Total | 1625 | 1564 | 3189 | |

*Swab taken in last 24 hours taken between midnight and midnight, may have been receipted and reported later than this; tests only included if coded and received and acknowledged by lab, result not required

*Includes GP clinics, Urgent Care Centres, Designated practices

Table 4. Estimated tests taken 12-22 August 2020, based on manual site reports at 5pm

| Site | | 12/08 | 13/08 | 14/08 | 15/08 | 16/08 | 17/08 | 18/08 | 19/08 | 20/08 | 21/08 | 22/08* |
|-------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| MIQ | Staff | 349 | 850 | 575 | 221 | 137 | 141 | 117 | 41 | 164 | 97 | 12 |

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| | | | | | | | | | | | | |
|--------|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Guests | 467 | 458 | 838 | 667 | 542 | 415 | 625 | 600 | 255 | 596 | 800 |
| | | | | | | | | | | | | |
| Border | Airport | 175 | 532 | 832 | 353 | 237 | 278 | 301 | 173 | 90 | 53 | 34 |
| | Port | N/A | 290 | 270 | 510 | 518 | 607 | 34 | 14 | 21 | 0 | 0 |

* 22/8 day still in progress

Table 5: Estimated tests taken at Metro Auckland CTCs, 12-22 August 2020, based on manual site reports at 4pm

| Site | Last week 12/08-18/08 (days open as CTC) | 19/08 | 20/08 | 21/08 | 22/08* |
|--------------------------|---|--------------|--------------|--------------|---------------|
| Airport Oaks | 1463 (6) | 49 | 37 | 50 | 28 |
| Auckland Netball Centre | 627 (3) | 247 | 136 | 92 | 73 |
| Botany CTC | 1556 (7) | 135 | 141 | 99 | 77 |
| Coast to Coast Warkworth | 383 (7) | 17 | 15 | 12 | 10 |
| Coast to Coast Wellsford | 260 (7) | 26 | 15 | 11 | 3 |
| Eventfinda Stadium | 2087 (7) | 64 | 48 | 55 | 31 |
| Health New Lynn | 3259 (7) | 165 | 113 | 130 | 71 |
| Henderson | 1247 (6) | 87 | 85 | 53 | 43 |
| Mangere Town Centre | 2513 (5) | 245 | 219 | 155 | 186 |

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| | | | | | |
|------------------------------|---------------|--------------|--------------|--------------|--------------|
| Manurewa Marae | N/A | 21 | 45 | 34 | 24 |
| Northcare A&M | 446 (3) | 63 | 66 | 45 | 40 |
| Otara CTC | 4139 (7) | 258 | 174 | 160 | 106 |
| Pukekohe CTC | N/A | 14 | 54 | 34 | 29 |
| St Lukes | 1818 (7) | 151 | 123 | 90 | 117 |
| Takanini Urgent Care | 2553 (7) | 180 | 128 | 94 | 62 |
| Waiheke Medical Centre | 383 (7) | 31 | 15 | 14 | 8 |
| Whanau House | 3204 (7) | 194 | 150 | 100 | 72 |
| Whanau Ora - Central | 2405 (7) | 147 | 126 | 77 | 74 |
| Whanau Ora - North | 1728 (7) | 117 | 92 | 68 | 43 |
| Whanau Ora - South | 3604 (7) | 205 | 167 | 80 | 50 |
| | | | | | |
| Waipuna Targeted Site | 411 (4) | 50 | 62 | 34 | 43 |
| Blockhouse Bay Targeted Site | 94 (2) | 21 | 30 | 26 | |
| Total | 34,180 | 2,487 | 2,041 | 1,513 | 1,190 |

* 22/8 day still in progress N/A = not open as a CTC

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Appendix 5: Testing by DHB and Ethnicity

Note: this is the number of people tested. The numbers in the testing section above are the number of tests done.

| Number of people tested for COVID-19 from 12 August to 22 August 2020 | | | | | | |
|---|----------------------------|-----------------|--------------|--------------|-------------|---------------|
| | Prioritised Ethnicity MPAO | | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Unknown | Total |
| Auckland | 1791 | 3753 | 4518 | 10049 | 148 | 20259 |
| Bay of Plenty | 1548 | 187 | 304 | 3955 | 27 | 6021 |
| Canterbury | 1001 | 381 | 872 | 8322 | 93 | 10669 |
| Capital and Coast | 849 | 629 | 696 | 5249 | 81 | 7504 |
| Counties Manukau | 4023 | 11191 | 4840 | 6740 | 151 | 26945 |
| Hawkes Bay | 759 | 133 | 105 | 2095 | 18 | 3110 |
| Hutt Valley | 457 | 224 | 270 | 1731 | 23 | 2705 |
| Lakes | 1641 | 243 | 313 | 2091 | 55 | 4343 |
| MidCentral | 560 | 142 | 192 | 2222 | 31 | 3147 |
| Nelson Marlborough | 339 | 87 | 101 | 2403 | 15 | 2945 |
| Northland | 2023 | 134 | 145 | 2537 | 20 | 4859 |
| South Canterbury | 97 | 18 | 40 | 941 | 9 | 1105 |
| Southern | 627 | 202 | 345 | 5464 | 42 | 6680 |
| Tairāwhiti | 527 | 34 | 32 | 479 | 3 | 1075 |
| Taranaki | 429 | 37 | 98 | 1517 | 24 | 2105 |
| Waikato | 2746 | 603 | 711 | 5867 | 108 | 10035 |
| Wairarapa | 121 | 19 | 15 | 513 | - | 668 |
| Waitematā | 2369 | 2295 | 3591 | 12943 | 120 | 21318 |
| West Coast | 27 | 7 | 8 | 196 | 3 | 241 |
| Whanganui | 393 | 40 | 32 | 801 | 5 | 1271 |
| Unknown | 828 | 389 | 362 | 2261 | 583 | 4422 |
| Total | 23155 | 20748 | 17590 | 78376 | 1559 | 141428 |

| Rate per 1000 people tested for COVID-19 from 12 August to 22 August 2020 | | | | | |
|---|----------------------------|-----------------|-------------|------------|-------------|
| | Prioritised Ethnicity MPAO | | | | |
| DHB of Domicile | Māori | Pacific Peoples | Asian | Other | Total |
| Auckland | 41.2 | 66.9 | 24.1 | 38.4 | 37.0 |
| Bay of Plenty | 25.9 | 42.1 | 15.5 | 25.1 | 25.0 |
| Canterbury | 19.1 | 26.9 | 14.3 | 18.7 | 18.6 |
| Capital and Coast | 23.2 | 28.4 | 13.9 | 24.7 | 23.3 |
| Counties Manukau | 45.2 | 93.2 | 32.0 | 32.2 | 47.3 |
| Hawkes Bay | 17.5 | 20.7 | 11.5 | 19.4 | 18.6 |
| Hutt Valley | 17.5 | 19.2 | 14.4 | 18.4 | 17.9 |
| Lakes | 42.7 | 95.1 | 32.2 | 34.9 | 39.2 |
| MidCentral | 15.4 | 25.6 | 12.4 | 18.0 | 17.4 |
| Nelson Marlborough | 21.1 | 35.2 | 13.6 | 19.1 | 19.4 |
| Northland | 33.2 | 35.7 | 17.5 | 23.3 | 26.7 |
| South Canterbury | 18.3 | 36.9 | 16.9 | 18.2 | 18.5 |
| Southern | 18.7 | 29.3 | 13.4 | 20.4 | 20.0 |
| Tairāwhiti | 21.3 | 30.4 | 27.4 | 21.7 | 21.9 |
| Taranaki | 18.4 | 26.6 | 15.7 | 16.9 | 17.4 |
| Waikato | 28.5 | 45.2 | 16.1 | 21.8 | 23.7 |
| Wairarapa | 15.2 | 22.9 | 12.0 | 14.4 | 14.6 |
| Waitematā | 37.9 | 51.5 | 25.0 | 33.8 | 33.7 |
| West Coast | 7.0 | 27.7 | 8.6 | 7.3 | 7.5 |
| Whanganui | 22.6 | 26.3 | 10.9 | 18.6 | 19.6 |
| Total | 29.8 | 64.9 | 23.0 | 25. | 28.5 |