

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 0900

01 NOVEMBER 2020

### ***Statistics at a glance***

Total Active Cases in New Zealand (Community and MIQ)

**77**

***In the Community  
(since 11 August –  
see Table 1)***

New Cases since 0900

**0**

Total Recovered

**183**

Total Deceased

**3**

Active Community Cases

**4**

Total Cases Since 11 August

**190**

***Imported cases in  
Managed Isolation  
and Quarantine***

New Cases since 0900

**2**

Total Recovered

**211**

Active MIF/MIQ Cases

**73**

Total Imported MIQ Cases

**284**

***Laboratory  
Testing***

Total Tests in Last 24 Hours

**4,401**

Total Tests over  
Last Seven Days

**33,924**

Total Tests over Last Seven  
Days

**1,101,067**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at **0900 01 November 2020**

Outbreak	New cases (last 24 hrs)	Total cases	Active cases remaining
<b>Maritime Company</b>	<b>0</b>	<b>4</b>	<b>4</b>
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
<b>Total</b>	<b>0</b>	<b>190</b>	<b>4</b>

## New Zealand COVID-19 summary

Table 2: New Zealand COVID-19 Summary as at **0900 01 November 2020**

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	<b>77 (+2)</b>	1506	20	<b>1603 (+2)</b>
<b>Probable</b>	0	351	5	356
<b>Total</b>	<b>77 (+2)</b>	1857	25	<b>1959 (+2)</b>

## Contents

Community Case by Outbreak .....	2
New Zealand COVID-19 summary .....	2
Cases in the Community .....	4
<i>Maritime Company Outbreak</i> .....	4
<i>Auckland Community Outbreak</i> .....	4
<i>Christchurch Returnees Outbreak</i> .....	4
<i>Community Case Contact Testing</i> .....	5
Imported Cases in Managed Isolation .....	6
<i>International Mariners</i> .....	6
Community Behaviour Indicators.....	7
<i>Healthline</i> .....	7
<i>Border and Arrival Lab Testing</i> .....	9
<i>Day 3 and Day 12 testing</i> .....	9
<i>DHB Testing by Ethnicity</i> .....	11

## Cases in the Community

- There are no new community cases.
- The total number of active cases in the community is 4.

### *Maritime Company Outbreak*

- As at 0900 26 October, four cases have been identified in relation to this outbreak. Three cases are employees of the same company. The fourth case (Case D) is a household contact of Case C. Investigations continue to identify whether the *Sofrana Surville* is a common exposure event for Case A & B.
- Whole Genomic Sequencing for three of the Auckland cases associated with the outbreak is completed. All three have identical genomes.
- The *Sofrana Surville's* crew were tested in Australia: 19 crew members were tested, of which three crew members had evidence of a current or previous infection all of whom were replacement crew members who joined in Auckland. Queensland Public Health obtained a genome sequence from one of the positive crew members. The genome obtained is the same subtype with 1 mutation less than the NZ genomes. This is consistent with the replacement crew members being the source of introduction onto the ship, the infection source for the maritime company workers, and therefore the source of the outbreak. We are still awaiting genomic sequencing for the other two crew members.
- A request has also been made via the NFP for PCR testing and serology testing of the four 'off-signers' in Auckland who returned to Manila.

### *Auckland Community Outbreak*

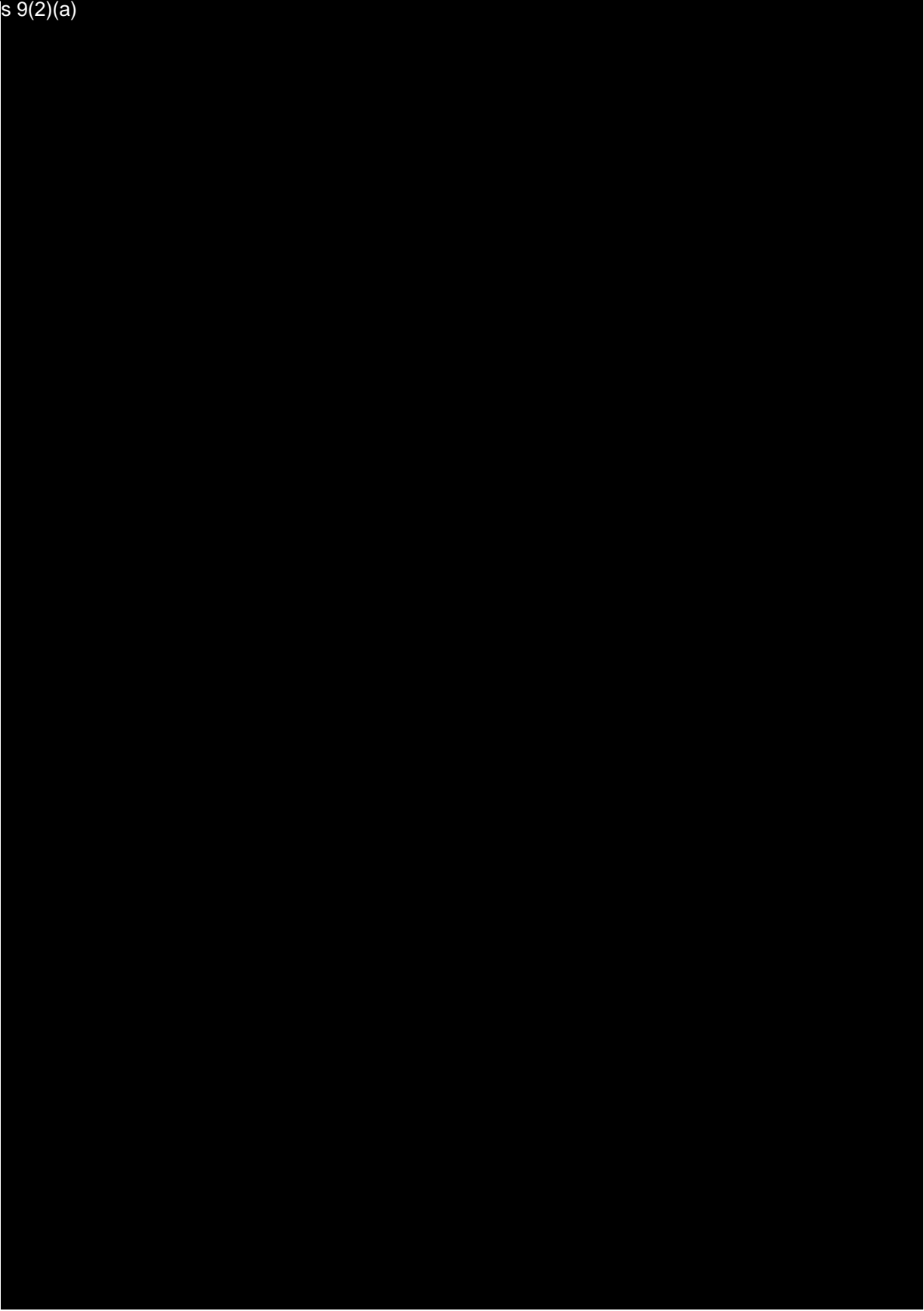
- All cases in the Auckland August outbreak are recovered and 14 of the 17 sub-clusters have been closed. The final sub-cluster will be closed on 03 November.

### *Christchurch Returnees Outbreak*

- Seven cases (the source case and 6 community cases) comprise the Christchurch Returnees outbreak. All cases in the Christchurch Returnee outbreak have recovered.  
**This outbreak closed on 31 October.**

## *Community Case Contact Testing*

s 9(2)(a)



s 9(2)(a)

## Imported Cases in Managed Isolation

**Table 4: Total cases and active cases identified at the border at 0900 01 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
284	73

- Two new cases have been detected at the border. Both cases are now at Jet Park.
  - Case 1 arrived from the United Kingdom via Dubai and Kuala Lumpur on 19 October and tested positive during day 12 routine testing.
  - Case 2 arrived from Amsterdam via Singapore on 23 October. This case was identified during testing while staying at the s 9(2)(a) [REDACTED], but has since been moved to the Jet Park.

### International Mariners

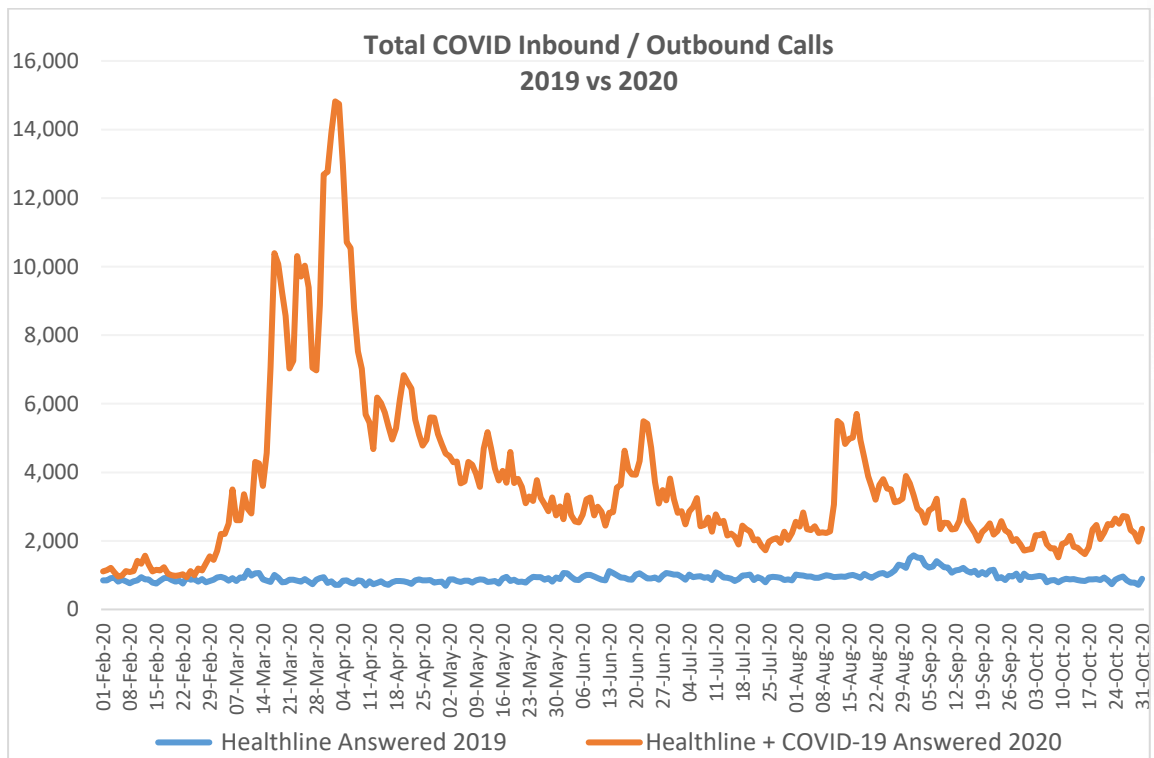
- A chartered flight arrived in New Zealand on 16 October from Russia via Singapore with 235 mariners onboard.
- All of the mariners are staying at Sudima Hotel, Christchurch.
- All Day 6 tests have been received [8 positive, 206 negative, 18 not tested as are already cases].
- 11 higher-risk contacts were re-tested on Day 9, with three further cases identified.
- Day 12 testing was conducted on 28 October for the international mariners who did not test positive during prior tests. 1 further positive test identified (205 negative).
- Day 15 testing of all those not already identified as cases will take place on 31 October.
- All those who have a negative test at Day 15 and who meet the exit criteria will be eligible to depart 03 November.
- Whole Genomic Sequencing of the 11 high-quality genomes from the fisheries workers have resulted in three separate lineages being identified: B.1.1.7, B.1.1.10 and B.1.1.77. These genomes are all consistent with overseas acquired infection. B.1.1.77 was detected in 9 of the 11 cases indicating potential transmission between the workers. Sequencing of further samples will be undertaken this week.

# Community Behaviour Indicators

## Healthline

- On 31 October 2020 there were 2,351 contacts in Healthline. Of those calls, 496 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 517 contacts (lower than forecasted).
- The main themes on 31 October 2020 were:
  - A high number of calls from people reporting symptoms although calls to the COVID helpline were lower than they have been for a number of weeks.
  - Higher than normal acuity (of non-COVID-19 related health issues) through Healthline.
  - Testing referrals remained stable.

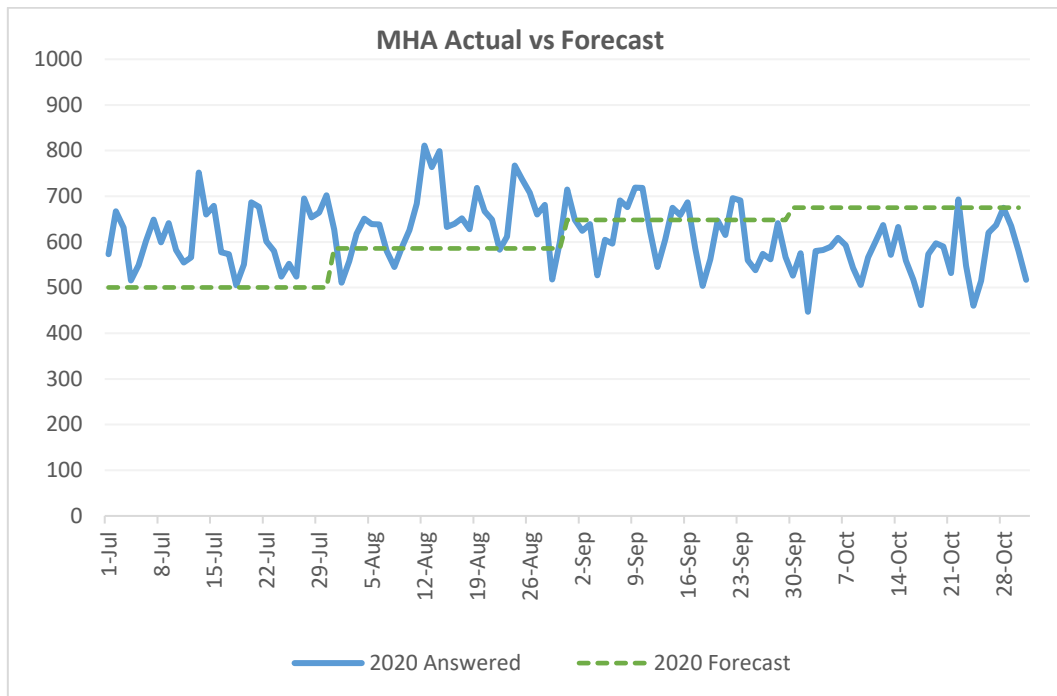
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

On 31 October 2020, demand on 1737 and other mental health services was elevated compared to the same day last year - in total circa 517 calls were answered, compared to 452 on the same day last year.

**Figure 2: Healthline Mental Health Response**





## Precautionary Testing

### Border and Arrival Lab Testing

**Table 5: Border Testing and MIF/MIQ Guest Testing as at 1000 01 November 2020**

Grouping	Reason for test:	25 Oct	26 Oct	27 Oct	28 Oct	29 Oct	30 Oct	31 Oct	Weekly Total
Border workers	Air Crew	24	10	92	50	46	57	47	326
	Airport Staff	95	24	139	215	167	80	229	949
	Maritime Crew	1	1	0	33	11	3	0	49
	MIF Staff	199	262	274	287	512	348	376	2258
	MIQ Staff	19	36	34	65	38	50	44	286
	Port Staff-Port of Tauranga Ltd	1	0	2	55	32	21	1	112
	Port Staff – Port of Auckland	34	1	4	10	106	21	47	223
	Port Staff-Remainder	9	2	5	38	77	69	24	224
Community	CTCs And Pop-Ups	1288	1053	1522	3099	2833	2080	1287	13162
	GPs and Other Primary Health	553	475	827	2512	2535	2268	1438	10608
Travellers	Staying At MIF	757	413	393	1025	1101	947	888	5524
	Staying At MIQ	58	34	43	14	14	20	20	203
Total		3038	2311	3335	7403	7472	5964	4401	33924

### Day 3 and Day 12 testing

**Table 6: MIQ/MIF guest testing as at 1000 01 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
18/10/2020	600	228	350	0	0
19/10/2020	692	278	391	0	1
20/10/2020	666	467	160	22	0
21/10/2020	1066	604	392	1	0
22/10/2020	574	299	206	2	0
23/10/2020	1194	705	427	16	1
24/10/2020	644	251	341	0	0
25/10/2020	862	432	379	1	0
26/10/2020	402	177	196	1	0
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1081	355	645	0	1
30/10/2020	947	519	369	2	0
31/10/2020	1186	665	466	3	3

**Table 7: Reasons for not having a Day 3 and/or Day 12 test as at 1000 01 November 2020**

Reason for no test	August	September	October	Total
Child*	43	80	65	188
Clinical	15	5	6	26
Management Plan Change		2		2
No Consent	13	17	24	54
Other**		4	66	70
Total	71	108	161	340

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

**Table 8: Number of people tested for COVID-19 from 18 to 31 October.**

DHB of domicile	Prioritised ethnicity MPAO					
	Māori	Pacific	Asian	Other	Unknown	Total
Auckland	388	629	1835	3278	864	6994
Bay of Plenty	253	42	141	988	29	1453
Canterbury	210	107	363	2312	321	3313
Capital and Coast	234	147	316	1721	78	2496
Counties Manukau	716	1623	1507	1814	167	5827
Hawke's Bay	125	142	41	409	16	733
Hutt Valley	124	76	120	516	17	853
Lakes	175	17	58	298	17	565
MidCentral	95	33	76	626	30	860
Nelson Marlborough	61	41	56	714	11	883
Northland	173	15	32	446	11	677
South Canterbury	13	6	9	139	7	174
Southern	131	45	154	1263	38	1631
Tairāwhiti	100	7	14	105	4	230
Taranaki	109	9	67	525	9	719
Waikato	392	61	291	1499	59	2302
Wairarapa	35	4	9	130	7	185
Waitematā	588	551	1706	4792	98	7735
West Coast	7	0	3	56	NA	66
Whanganui	37	6	4	146	1	194
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>3975</b>	<b>3569</b>	<b>6849</b>	<b>21811</b>	<b>1809</b>	<b>38013</b>

**Table 9: Rate per 1000 people tested for COVID-19 from 18 to 31 October.**

DHB of domicile	Prioritised ethnicity MPAO				
	Māori	Pacific	Asian	Other	Total
Auckland	8.92	11.22	9.8	12.54	12.76
Bay of Plenty	4.23	9.45	7.19	6.28	6.02
Canterbury	4	7.55	5.97	5.18	5.78
Capital and Coast	6.41	6.63	6.3	8.09	7.76
Counties Manukau	8.04	13.51	9.97	8.67	10.23
Hawke's Bay	2.89	22.13	4.47	3.79	4.39
Hutt Valley	4.76	6.51	6.39	5.47	5.66
Lakes	4.55	6.65	5.96	4.97	5.1
MidCentral	2.61	5.95	4.9	5.06	4.75
Nelson Marlborough	3.8	16.59	7.55	5.67	5.82
Northland	2.84	3.99	3.87	4.09	3.72
South Canterbury	2.45	12.29	3.8	2.69	2.91
Southern	3.9	6.53	5.97	4.72	4.89
Tairāwhiti	4.04	6.26	11.99	4.75	4.68
Taranaki	4.67	6.46	10.76	5.84	5.95
Waikato	4.07	4.58	6.59	5.57	5.44
Wairarapa	4.39	4.81	7.22	3.64	4.05
Waitematā	9.4	12.36	11.86	12.53	12.21
West Coast	1.81	0	3.24	2.08	2.06
Whanganui	2.13	3.94	1.37	3.39	2.99
<b>Total</b>	<b>5.1</b>	<b>11.2</b>	<b>8.9</b>	<b>7</b>	<b>7.7</b>

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 0900

02 NOVEMBER 2020

### ***Statistics at a glance***

Total Active Cases in New Zealand (Community and MIQ)

**81**

***In the Community  
(since 11 August –  
see Table 1)***

New Cases since 0900

**0**

Total Recovered

**183**

Total Deceased

**3**

Active Community Cases

**4**

Total Cases Since 11 August

**190**

***Imported cases in  
Managed Isolation  
and Quarantine***

New Cases since 0900

**4**

Total Recovered

**211**

Active MIF/MIQ Cases

**77**

Total Imported MIQ Cases

**288**

***Laboratory  
Testing***

Total Tests in Last 24 Hours

**3,046**

Total Tests over  
Last Seven Days

**33,932**

Total laboratory tests

**1,104,113**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at **0900 02 November 2020**

Outbreak	New cases (last 24 hrs)	Total cases	Active cases remaining
<b>Maritime Company</b>	<b>0</b>	<b>4</b>	<b>4</b>
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
<b>Total</b>	<b>0</b>	<b>190</b>	<b>4</b>

## New Zealand COVID-19 summary

Table 2: New Zealand COVID-19 Summary as at **0900 02 November 2020**

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	<b>81 (+4)</b>	1506	20	<b>1607 (+4)</b>
<b>Probable</b>	0	351	5	356
<b>Total</b>	<b>81 (+4)</b>	1857	25	<b>1963 (+4)</b>

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 summary .....	2
Cases in the Community.....	4
<i>Maritime Company Outbreak</i> .....	4
<i>Auckland Community Outbreak</i> .....	4
<i>Christchurch Returnees Outbreak</i> .....	4
<i>Community Case Contact Testing</i> .....	5
Imported Cases in Managed Isolation .....	6
<i>International Mariners</i> .....	6
Community Behaviour Indicators.....	7
<i>Healthline</i> .....	7
<i>COVID-19 App Scans</i> .....	8
Precautionary Testing.....	9
<i>Border and Arrival Lab Testing</i> .....	9
<i>Day 3 and Day 12 testing</i> .....	9
<i>DHB Testing by Ethnicity</i> .....	11

## Cases in the Community

- There are no new community cases.
- The total number of active cases in the community is 4.

### *Maritime Company Outbreak*

- As at 0900 26 October, four cases have been identified in relation to this outbreak. Three cases are employees of the same company. The fourth case (Case D) is a household contact of Case C. Investigations continue to identify whether the *Sofrana Surville* is a common exposure event for Case A & B.
- Whole Genomic Sequencing for three of the Auckland cases associated with the outbreak is completed. All three have identical genomes.
- The *Sofrana Surville's* crew were tested in Australia: 19 crew members were tested, of which three crew members had evidence of a current or previous infection all of whom were replacement crew members who joined in Auckland. Queensland Public Health obtained a genome sequence from one of the positive crew members. The genome obtained is the same subtype with 1 mutation less than the NZ genomes. This is consistent with the replacement crew members being the source of introduction onto the ship, the infection source for the maritime company workers, and therefore the source of the outbreak. We are still awaiting genomic sequencing for the other two crew members.
- A request has also been made via the NFP for PCR testing and serology testing of the four 'off-signers' in Auckland who returned to Manila.

### *Auckland Community Outbreak*

- All cases in the Auckland August outbreak are recovered and 14 of the 17 sub-clusters have been closed. The final sub-cluster will be closed on 03 November.


### *Christchurch Returnees Outbreak*

- Seven cases (the source case and 6 community cases) comprise the Christchurch Returnees outbreak. All cases in the Christchurch Returnee outbreak have recovered. This outbreak closed on 31 October.

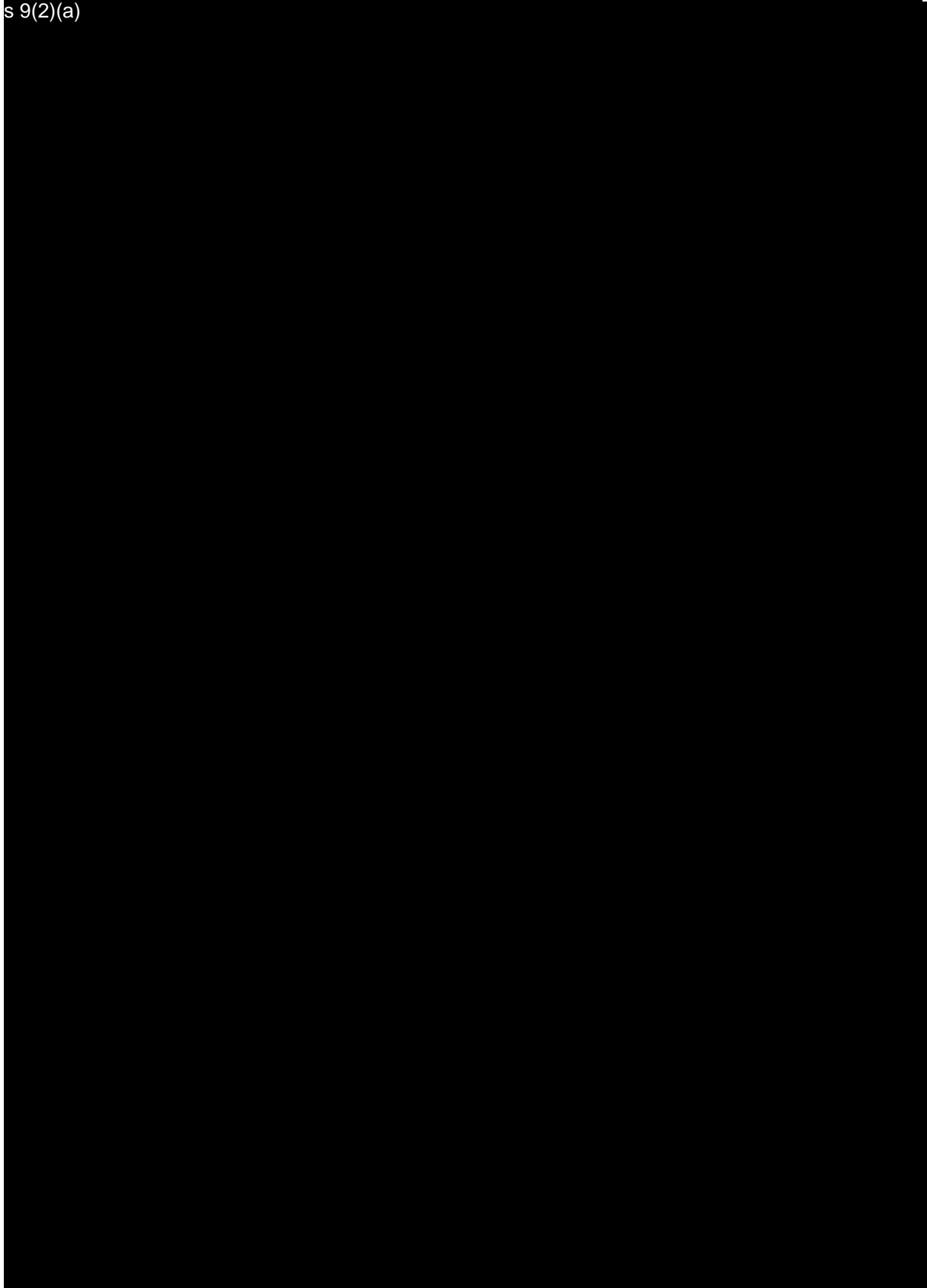


## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content.

## Imported Cases in Managed Isolation

**Table 4: Total cases and active cases identified at the border at 0900 02 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
288	77

- Four new cases have been detected at the border. Case 1 is in the “quarantine” wing at the Sudima Hotel, Christchurch. The other three cases are at Jet Park
  - Case 1: Tested positive during day 15 testing. An international mariner staying at the Sudima, Christchurch, and is a close contact of a case that tested positive during day 6 testing.
  - Case 2: Arrived on 19 October from Milan via Singapore and tested positive during day 12 routine testing.
  - Case 3: Arrived on 28 October from London via Singapore and tested positive during day 3 routine testing.
  - Case 4: tested positive. They are a close contact of case that tested positive during day 12 testing.

### International Mariners

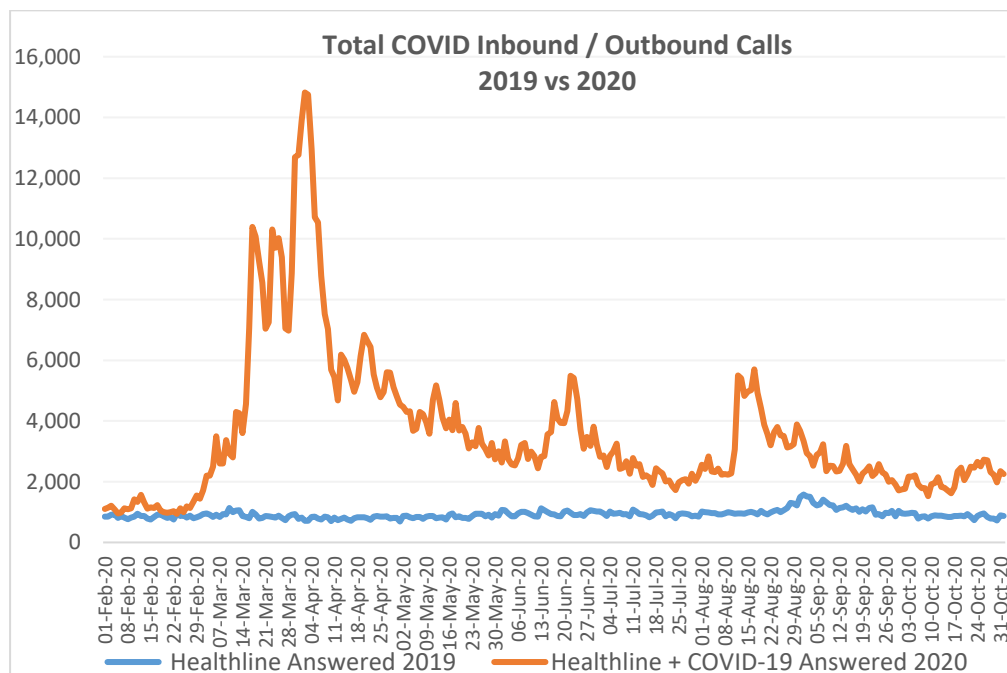
- A chartered flight arrived in New Zealand on 16 October from Russia via Singapore with 235 mariners onboard.
- All of the mariners are staying at Sudima Hotel, Christchurch.
- All Day 6 tests have been received [8 positive, 206 negative, 18 not tested as are already cases].
- 11 higher-risk contacts were re-tested on Day 9, with three further cases identified.
- Day 12 testing was conducted on 28 October for the international mariners who did not test positive during prior tests. 1 further positive test identified (205 negative).
- Day 15 testing on 31/10/2020 identified 1 new positive case.
- All those who have a negative test at Day 15 (except those who are “high risk” contacts and any cases who do not meet the exit criteria) are eligible to depart on Tuesday 03 November. Nine cases will not be leaving; 5 close contacts will be tested today (Monday 02 November) and will be eligible to depart following a negative result.
- Whole Genomic Sequencing of the 11 high-quality genomes from the fisheries workers have resulted in three separate lineages being identified: B.1.1.7, B.1.1.10 and B.1.1.77. These genomes are all consistent with overseas acquired infection. B.1.1.77 was detected in 9 of the 11 cases indicating potential transmission between the workers. Sequencing of further samples will be undertaken this week.

# Community Behaviour Indicators

## Healthline

- On 01 November 2020 there were 2,249 contacts in Healthline. Of those calls, 473 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 536 contacts (lower than forecasted).
- The main themes on 01 November 2020 were:
  - Circa 30 calls related to the test requirements changes for passengers who are flying back to China as issued by the Chinese embassy. From 7 November all passengers travelling to China need to take the normal COVID-19 test and the Immunoglobulin M (IgM) anti-body tests within 48 hours of departure. MoH website shows this test is not available publicly on request in New Zealand. Further information to support these calls from MOH is required.
  - A high number of calls from people reporting symptoms although calls to the COVID helpline were lower than they have been for a number of weeks.
  - Higher than normal acuity (of non-COVID-19 related health issues) through Healthline.
  - Testing referrals remained stable.

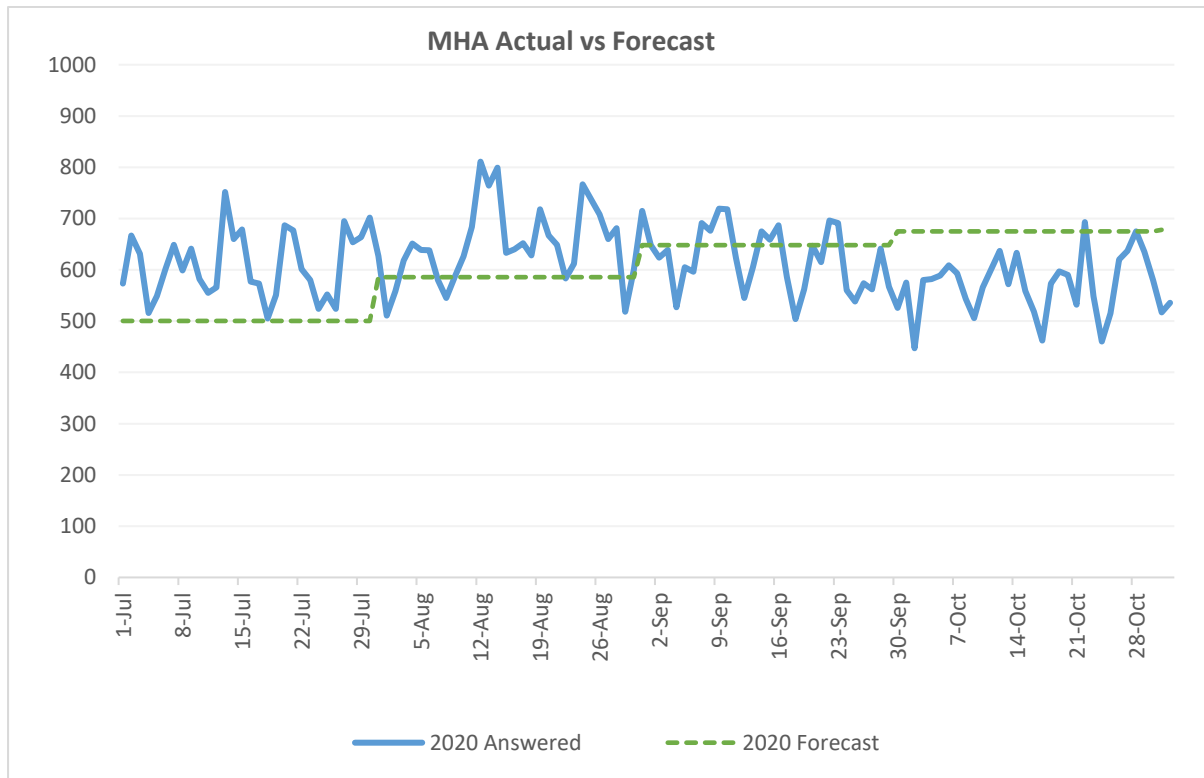
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

On 01 November 2020, demand on 1737 and other mental health services was elevated compared to the same day last year - in total circa 536 calls were answered, compared to 517 on the same day last year.

**Figure 2: Healthline Mental Health Response**



### COVID-19 App Scans

Starting 3 November, we will again be including the COVID-19 App scans and downloads. The technical issues which have lead to the data being removed have been addressed.

## Precautionary Testing

### Border and Arrival Lab Testing

**Table 5: Border Testing and MIF/MIQ Guest Testing as at 1000 02 November 2020**

Grouping	Reason for test:	26 Oct	27 Oct	28 Oct	29 Oct	30 Oct	31 Oct	01 Nov	Weekly Total
Border workers	Air Crew	10	92	50	46	57	47	27	329
	Airport Staff	24	139	215	167	80	229	82	936
	Maritime Crew	1	0	33	11	3	0	0	48
	MIF Staff	262	274	287	512	348	378	177	2238
	MIQ Staff	36	34	65	38	50	44	25	292
	Port Staff-Port of Tauranga Ltd	0	2	55	32	21	1	20	131
	Port Staff – Port of Auckland	1	4	10	106	21	47	6	195
	Port Staff-Remainder	2	5	38	77	69	24	7	222
Community	CTCs And Pop-Ups	1059	1525	3133	2919	2214	1341	1032	13223
	GPs and Other Primary Health	469	824	2478	2449	2134	1382	904	10640
Travellers	Staying At MIF	413	393	1025	1101	947	888	736	5503
	Staying At MIQ	34	43	14	14	20	20	30	175
Total		2311	3335	7403	7472	5964	4401	3046	33932

### Day 3 and Day 12 testing

**Table 6: MIQ/MIF guest testing as at 1000 02 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
19/10/2020	692	278	391	0	1
20/10/2020	666	467	160	22	0
21/10/2020	1066	604	392	1	0
22/10/2020	574	299	206	2	0
23/10/2020	1194	705	427	16	1
24/10/2020	644	251	341	0	0
25/10/2020	862	432	379	1	0
26/10/2020	402	177	196	1	0
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1081	355	645	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	805	315	443	2	6

**Table 7: Reasons for not having a Day 3 and/or Day 12 test as at 1000 02 November 2020**

Reason for no test	September	October	November	Total
Child*	80	65	8	153
Clinical	5	6	3	14
Management Plan Change	2			2
No Consent	17	24	1	42
Other**	4	66	4	74
Total	108	161	16	285

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

*DHB Testing by Ethnicity***Table 8: Number of people tested for COVID-19 from 19 October to 01 November.**

	Prioritised ethnicity MPAO					
DHB of domicile	Māori	Pacific	Asian	Other	Unknown	Total
Auckland	394	629	1900	3313	924	7160
Bay of Plenty	269	40	123	991	29	1452
Canterbury	209	107	382	2332	331	3361
Capital and Coast	230	147	320	1738	70	2505
Counties Manukau	737	1659	1552	1865	176	5989
Hawke's Bay	125	142	43	414	16	740
Hutt Valley	125	76	125	520	16	862
Lakes	173	17	54	300	16	560
MidCentral	97	33	75	623	31	859
Nelson Marlborough	63	37	55	707	10	872
Northland	185	16	32	455	10	698
South Canterbury	13	6	9	143	7	178
Southern	131	45	154	1278	36	1644
Tairāwhiti	93	7	14	108	4	226
Taranaki	107	10	65	521	8	711
Waikato	400	59	304	1517	63	2343
Wairarapa	31	4	10	139	8	192
Waitematā	611	572	1754	4920	102	7959
West Coast	7	0	5	54	-	66
Whanganui	36	7	4	145	1	193
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4045</b>	<b>3623</b>	<b>7027</b>	<b>22120</b>	<b>1883</b>	<b>38698</b>

**Table 9: Rate per 1000 people tested for COVID-19 from 19 October to 01 November.**

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	9.06	11.22	10.15	12.67	13.06
Bay of Plenty	4.5	9	6.28	6.3	6.02
Canterbury	3.99	7.55	6.29	5.23	5.86
Capital and Coast	6.3	6.63	6.37	8.17	7.79
Counties Manukau	8.28	13.81	10.27	8.91	10.52
Hawke's Bay	2.89	22.13	4.69	3.83	4.43
Hutt Valley	4.8	6.51	6.66	5.52	5.72
Lakes	4.5	6.65	5.55	5	5.06
MidCentral	2.67	5.95	4.84	5.03	4.74
Nelson Marlborough	3.93	14.97	7.41	5.62	5.75
Northland	3.04	4.26	3.87	4.17	3.84
South Canterbury	2.45	12.29	3.8	2.77	2.98
Southern	3.9	6.53	5.97	4.78	4.93
Tairāwhiti	3.75	6.26	11.99	4.89	4.6
Taranaki	4.58	7.18	10.44	5.8	5.88
Waikato	4.15	4.43	6.89	5.64	5.54
Wairarapa	3.89	4.81	8.02	3.9	4.2
Waitematā	9.76	12.83	12.2	12.87	12.57
West Coast	1.81	0	5.41	2	2.06
Whanganui	2.07	4.6	1.37	3.37	2.98
<b>Total</b>	<b>5.2</b>	<b>11.3</b>	<b>9.2</b>	<b>7.1</b>	<b>7.8</b>



# Daily COVID-19 Situation UPDATE

## Key Facts and Figures

As at 0900

03 NOVEMBER 2020

### Statistics at a glance

Total Active Cases in New Zealand (Community and MIQ)

**75**

**In the Community**  
(since 11 August –  
see Table 1)

New Cases since 0900

**1**

Total Recovered

**186**

Total Deceased

**3**

Active Community Cases

**2**

Total Cases Since 11 August

**191**

**Imported cases in**  
**Managed Isolation**  
**and Quarantine**

New Cases since 0900

**4**

Total Recovered

**219**

Active MIF/MIQ Cases

**73**

Total Imported MIQ Cases

**292**

**Laboratory**  
**Testing**

Total Tests in Last 24 Hours

**2,455**

Total Tests over  
Last Seven Days

**34,076**

Total laboratory tests

**1,106,568**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at 0900 03 November 2020

Outbreak	New cases (last 24 hrs)	Total cases	Active cases remaining
Maritime Company	0	4	1
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
Sudima Hotel (MIF)	1	1	1
<b>Total</b>	<b>1</b>	<b>191</b>	<b>2</b>

## New Zealand COVID-19 summary

Table 2: New Zealand COVID-19 Summary as at 0900 03 November 2020

Case status	Active	Recovered	Deceased	Total
Confirmed	75 (-6)*	1517 (11)	20	1612 (+5)
Probable	0	351	5	356
<b>Total</b>	<b>75 (-6)*</b>	<b>1868 (11)</b>	<b>25</b>	<b>1968 (+5)</b>

\*5 new cases, 11 recovered.

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 summary .....	2
Cases in the Community.....	4
<i>Maritime Company Outbreak</i> .....	4
<i>Auckland Community Outbreak</i> .....	5
Imported Cases in Managed Isolation .....	7
<i>International Mariners</i> .....	7
Community Behaviour Indicators .....	8
<i>Healthline</i> .....	8
<i>COVID-19 App Scans</i> .....	10
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing</i> .....	11
<i>Day 3 and Day 12 testing</i> .....	12
<i>DHB Testing by Ethnicity</i> .....	13

## Cases in the Community

- There is **one** new community case.
  - Case 1: Worked at the MIF in the Sudima, Christchurch. Had routine testing on Thursday 29 October (negative). On Saturday 31 October s 9(2)(a) and by Sunday 01 November was s 9(2)(a). Was tested the same day at the CBAC. Currently self-isolating.
    - Interviews are ongoing with casual and close contacts.
    - Testing of all remaining staff rostered on Friday 30 October will be completed today 03/11/20.
    - All remaining interviews with close contacts will be completed today.
    - Arrangements will be finalised which will enable the case and the case's household contact to undertake isolation and quarantine at home.
    - Review of Countdown CCTV footage will be undertaken to establish any potential close contacts.
    - Reconcile roster lists with testing to date; follow up with staff as necessary.
- The total number of active cases in the community is **two**.

## Maritime Company Outbreak

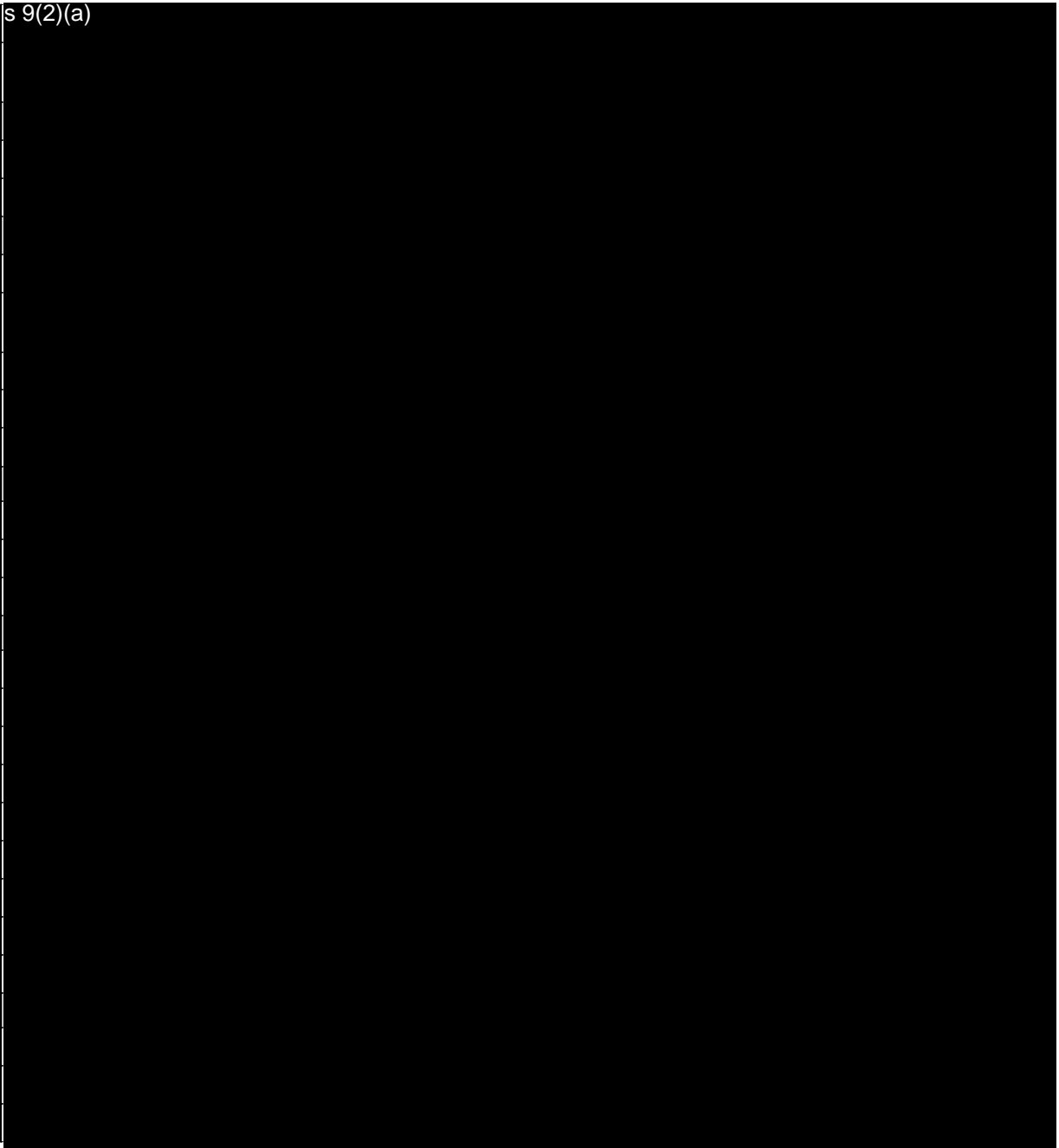
- As at 0900 26 October, four cases have been identified in relation to this outbreak. Three cases are employees of the same company. The fourth case (Case D) is a household contact of Case C. Investigations continue to identify whether the *Sofrana Surville* is a common exposure event for Case A & B.
- Whole Genomic Sequencing for three of the Auckland cases associated with the outbreak is completed. All three have identical genomes.
- The *Sofrana Surville's* crew were tested in Australia: 19 crew members were tested, of which three crew members had evidence of a current or previous infection all of whom were replacement crew members who joined in Auckland. Queensland Public Health obtained a genome sequence from one of the positive crew members. The genome obtained is the same subtype with 1 mutation less than the NZ genomes. This is consistent with the replacement crew members being the source of introduction onto the ship, the infection source for the maritime company workers, and therefore the source of the outbreak. We are still awaiting genomic sequencing for the other two crew members.
- A request has also been made via the NFP for PCR testing and serology testing of the four 'off-signers' in Auckland who returned to Manila.
- **Three cases linked to the maritime company outbreak have recovered.**

## *Auckland Community Outbreak*

- All cases in the Auckland August outbreak are recovered and 14 of the 17 sub-clusters have been closed.
- The final sub-cluster will be closed on 03 November.

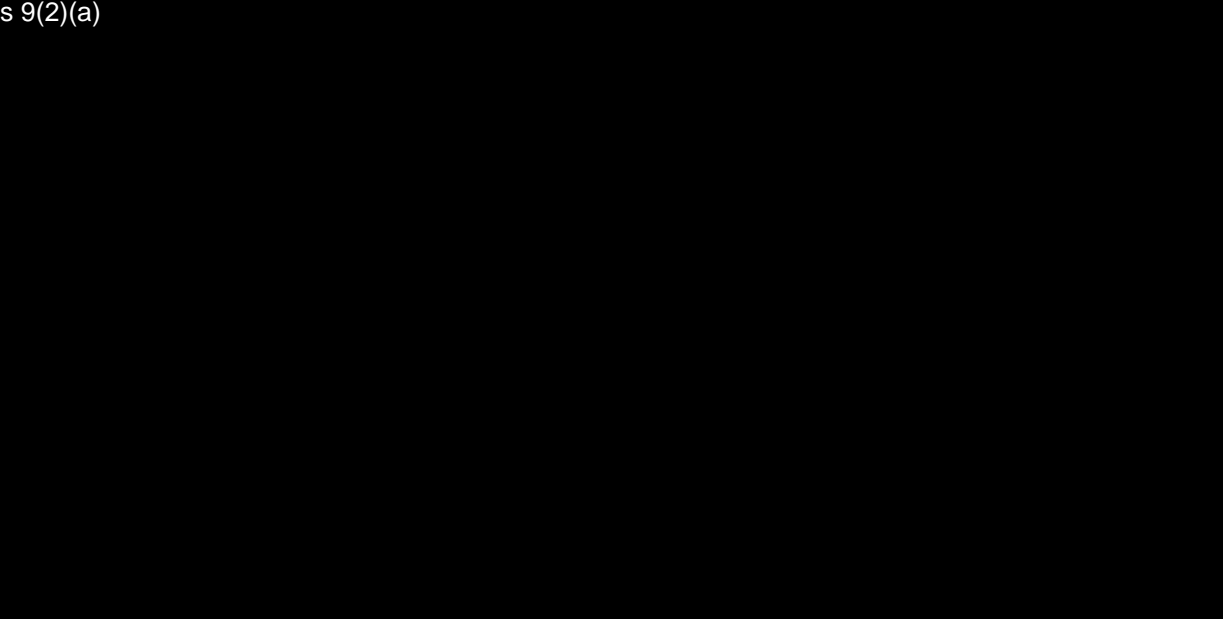
## *Community Case Contact Testing*

s 9(2)(a)



s 9(2)(a)

s 9(2)(a)



## Imported Cases in Managed Isolation

**Table 4: Total cases and active cases identified at the border at 0900 03 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
292	73

- Four new cases have been detected at the border. All cases are now at Jet Park.
  - Case 1: Arrived on 19 October from Kabul (via Dubai) and tested positive during day 12 testing.
  - Case 2: Arrived on 29 October from the USA (via Sydney) and tested positive during day 3 testing.
  - Case 3: Arrived on 29 October from New York (via Doha and Brisbane) and tested positive during day 3 testing.
  - Case 4: Arrived on 21 October from London (via Doha and Brisbane) and tested positive during day 12 testing.

### International Mariners

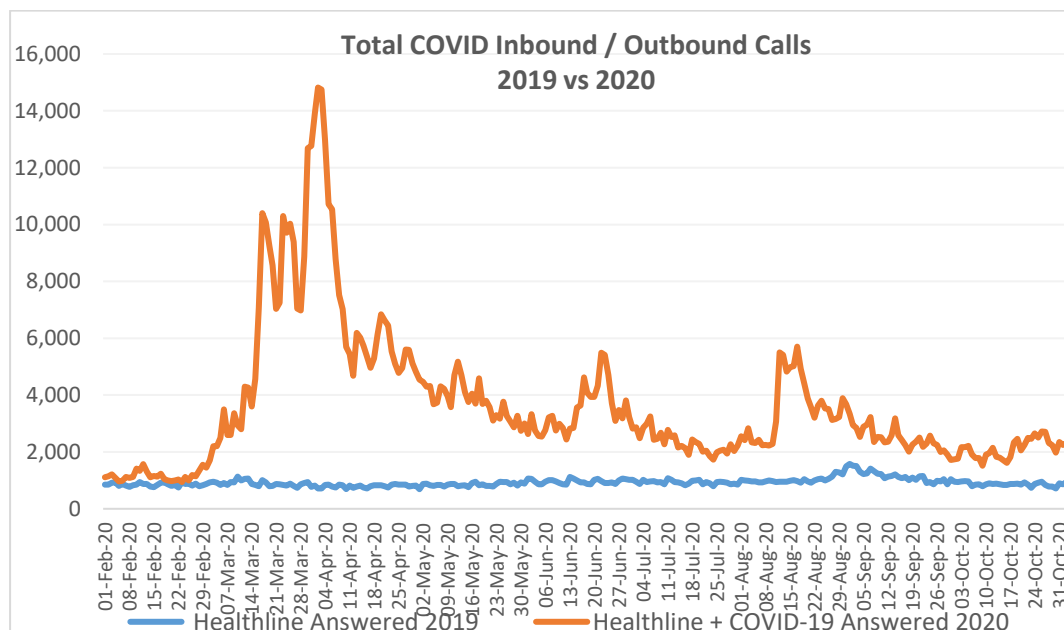
- A chartered flight arrived in New Zealand on 16 October from Russia via Singapore with 235 mariners onboard.
- All of the mariners are staying at Sudima Hotel, Christchurch.
- All Day 6 tests have been received [8 positive, 206 negative, 18 not tested as are already cases].
- 11 higher-risk contacts were re-tested on Day 9, with three further cases identified.
- Day 12 testing was conducted on 28 October for the international mariners who did not test positive during prior tests. 1 further positive test identified (205 negative).
- Day 15 testing on 31 October identified 1 new positive case.
- Following notification of the positive test result in a worker at the Sudima, the departure of the mariners identified as due to depart on Tuesday 03 November was delayed indefinitely to allow appropriate investigations to take place.
- Whole Genomic Sequencing of the 11 high-quality genomes from the fisheries workers have resulted in three separate lineages being identified: B.1.1.7, B.1.1.10 and B.1.1.77. These genomes are all consistent with overseas acquired infection. B.1.1.77 was detected in 9 of the 11 cases indicating potential transmission between the workers. Sequencing of further samples will be undertaken this week.

# Community Behaviour Indicators

## Healthline

- On 02 November 2020 there were 2,292 contacts in Healthline. Of those calls, 818 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 641 contacts (lower than forecasted).
- The main themes on 02 November 2020 were:
  - Increased calls from people in Christchurch concerned that they may have been in contact with the community case announced in the media last night.
  - Calls related to test requirement changes for passengers flying back to China as issued by the Chinese embassy. From 7 November all passengers travelling to China need to take the normal COVID-19 test and the Immunoglobulin M (IgM) anti-body tests within 48 hours of departure. MoH website shows this test is not available publicly on request in New Zealand. Further information to support these calls from MOH is required.
  - A high number of calls from people reporting symptoms.
  - Higher than normal acuity (of non-COVID-19 related health issues) through Healthline.

**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**

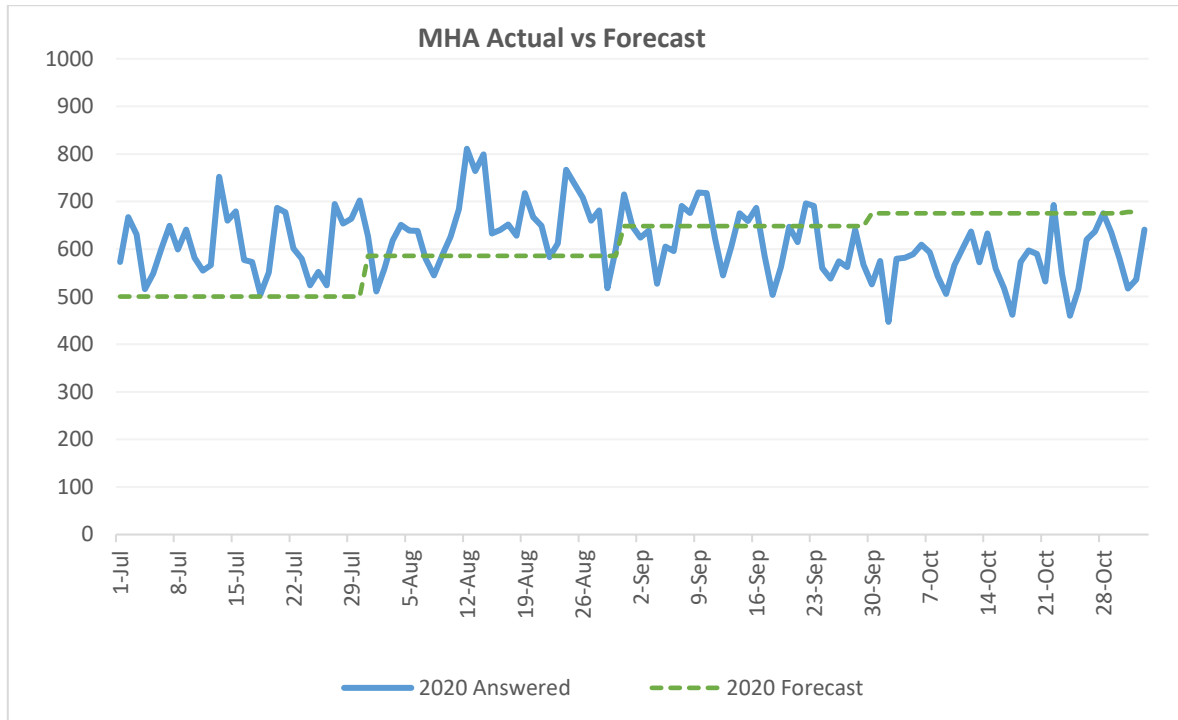


## Healthline Mental Health Response



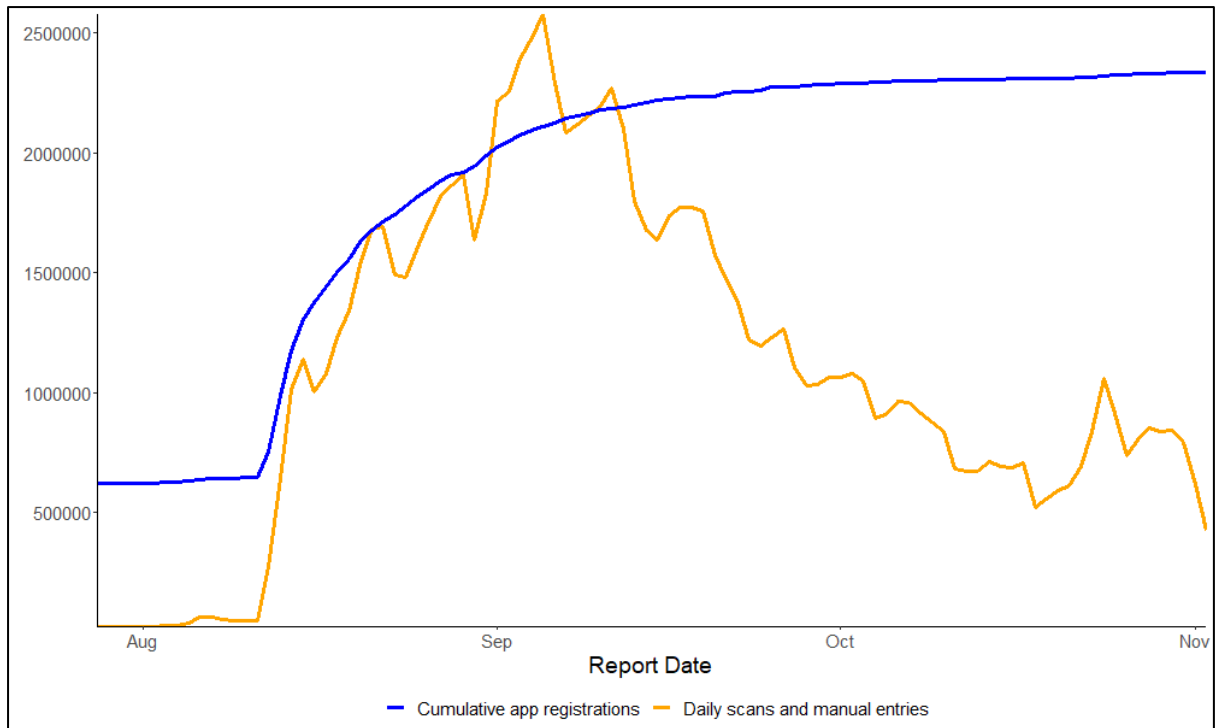
On 02 November 2020, demand on 1737 and other mental health services was elevated compared to the same day last year - in total circa 641 calls were answered, compared to 420 on the same day last year.

**Figure 2: Healthline Mental Health Response**



## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 10:30 02 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 5: Border Testing and MIF/MIQ Guest Testing as at 1000 03 November 2020**

Grouping	Reason for test:	27 Oct	28 Oct	29 Oct	30 Oct	31 Oct	01 Nov	02 Nov	Weekly Total
Border workers	Air Crew	92	50	46	57	47	27	67	386
	Airport Staff	139	215	167	80	229	82	98	1010
	Maritime Crew	0	33	11	3	0	0	0	47
	MIF Staff	274	287	512	348	378	177	162	2138
	MIQ Staff	34	65	38	50	44	25	39	295
	Port Staff-Port of Tauranga Ltd	2	55	32	21	1	20	0	131
	Port Staff – Port of Auckland	4	10	106	21	47	6	0	194
	Port Staff-Remainder	5	38	77	69	24	7	0	220
Community	CTCs And Pop-Ups	1526	3133	2919	2241	1348	1039	497	12703
	GPs and Other Primary Health	822	2478	2449	2107	1375	897	797	10925
Travellers	Staying At MIF	394	1025	1101	947	888	736	680	5771
	Staying At MIQ	43	14	14	20	20	30	115	256
Total		3335	7403	7472	5964	4401	3046	2455	34076

*Day 3 and Day 12 testing***Table 6: MIQ/MIF guest testing as at 1000 03 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
20/10/2020	666	467	160	22	0
21/10/2020	1066	604	392	1	0
22/10/2020	574	299	206	2	0
23/10/2020	1194	705	427	16	1
24/10/2020	644	251	341	0	0
25/10/2020	862	432	379	1	0
26/10/2020	402	177	196	1	0
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1083	357	645	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	805	315	443	2	6
2/11/2020	889	518	328	2	1

**Table 7: Reasons for not having a Day 3 and/or Day 12 test as at 1000 03 November 2020**

Reason for no test	September	October	November	Total
Child*	80	65	10	155
Clinical	5	6	3	14
Management Plan Change	2			2
No Consent	17	24	3	44
Other**	4	66	7	77
Total	108	161	23	292

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 8: Number of people tested for COVID-19 from 20 October to 02 November.

DHB of domicile	Prioritised ethnicity MPAO					
	Māori	Pacific	Asian	Other	Unknown	Total
Auckland	386	626	1883	3307	966	7168
Bay of Plenty	276	47	117	988	30	1458
Canterbury	211	109	390	2363	335	3408
Capital and Coast	242	238	317	1762	74	2633
Counties Manukau	718	1644	1518	1843	185	5908
Hawke's Bay	132	87	42	444	20	725
Hutt Valley	127	75	128	537	18	885
Lakes	170	17	54	306	16	563
MidCentral	94	30	79	622	32	857
Nelson Marlborough	64	38	50	730	10	892
Northland	187	17	28	462	12	706
South Canterbury	13	6	9	145	7	180
Southern	128	44	156	1257	41	1626
Tairāwhiti	88	5	15	105	5	218
Taranaki	106	11	63	515	9	704
Waikato	403	59	309	1513	66	2350
Wairarapa	31	4	10	138	9	192
Waitematā	611	566	1742	4913	96	7928
West Coast	7	0	5	57	-	69
Whanganui	34	7	4	145	1	191
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4037</b>	<b>3640</b>	<b>6926</b>	<b>22189</b>	<b>1955</b>	<b>38747</b>

Table 9: Rate per 1000 people tested for COVID-19 from 20 October to 02 November.

DHB of domicile	Prioritised ethnicity MPAO				
	Māori	Pacific	Asian	Other	Total
Auckland	8.87	11.16	10.06	12.65	13.08
Bay of Plenty	4.62	10.57	5.97	6.28	6.05
Canterbury	4.02	7.69	6.42	5.3	5.94
Capital and Coast	6.63	10.73	6.32	8.28	8.19
Counties Manukau	8.06	13.69	10.04	8.81	10.37
Hawke's Bay	3.05	13.56	4.58	4.11	4.34
Hutt Valley	4.87	6.42	6.82	5.7	5.87
Lakes	4.42	6.65	5.55	5.1	5.08
MidCentral	2.58	5.41	5.1	5.03	4.73
Nelson Marlborough	3.99	15.38	6.74	5.8	5.88
Northland	3.07	4.52	3.39	4.24	3.88
South Canterbury	2.45	12.29	3.8	2.81	3.01
Southern	3.81	6.39	6.05	4.7	4.87
Tairāwhiti	3.55	4.47	12.85	4.75	4.43
Taranaki	4.54	7.9	10.12	5.73	5.82
Waikato	4.18	4.43	7	5.62	5.55
Wairarapa	3.89	4.81	8.02	3.87	4.2
Waitematā	9.76	12.69	12.12	12.85	12.52
West Coast	1.81	0	5.41	2.11	2.15
Whanganui	1.96	4.6	1.37	3.37	2.95
Total	5.2	11.4	9	7.2	7.8

# Daily COVID-19 Situation UPDATE

## Key Facts and Figures

As at 1600

03 NOVEMBER 2020

### Statistics at a glance

Total Active Cases in New Zealand (Community and MIQ)

**77**

**In the Community**  
(since 11 August –  
see Table 1)

New Cases since 0900

**1**

Total Recovered

**186**

Total Deceased

**3**

Active Community Cases

**3**

Total Cases Since 11 August

**192**

**Imported cases in**  
**Managed Isolation**  
**and Quarantine**

New Cases since 0900

**1**

Total Recovered

**219**

Active MIF/MIQ Cases

**74**

Total Imported MIQ Cases

**293**

**Laboratory**  
**Testing**

Total Tests in Last 24 Hours

**2,455**

Total Tests over  
Last Seven Days

**34,076**

Total laboratory tests

**1,106,568**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at **1600 03 November 2020**

Outbreak	New cases (since 0900)	Total cases	Active cases remaining
Maritime Company	0	4	1
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
Sudima Hotel (MIF)	1	2	2
<b>Total</b>	<b>1</b>	<b>192</b>	<b>3</b>

## New Zealand COVID-19 summary

Table 2: New Zealand COVID-19 Summary as at **1600 03 November 2020**

Case status	Active	Recovered	Deceased	Total
Confirmed	77 (+2) *	1517	20	1614 (+2)
Probable	0	351	5	356
<b>Total</b>	<b>77 (+2) *</b>	<b>1868</b>	<b>25</b>	<b>1970 (+2)</b>

\*2 new cases, 0 recovered.



## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 summary .....	2
Cases in the Community.....	4
<i>Sudima Hotel MIF Staff Member</i> .....	4
<i>Maritime Company Outbreak</i> .....	4
<i>Auckland Community Outbreak</i> .....	5
Imported Cases in Managed Isolation .....	7
<i>International Mariners</i> .....	7
<i>COVID-19 App Scans</i> .....	8
Precautionary Testing.....	9
<i>Border and Arrival Lab Testing</i> .....	9
<i>Day 3 and Day 12 testing</i> .....	9
<i>DHB Testing by Ethnicity</i> .....	11

## Cases in the Community

- There is **one** new community case **since 0900**.
  - This second case is a MIF employee in the Sudima Hotel, Christchurch. They had a routine test on 29 October, which was negative. This case was asymptomatic when they tested positive today.
  - They have been moved to quarantine at the Chateau on the Park Hotel in Christchurch.
  - All staff who worked at the Sudima Hotel in the past week will be retested.
- The total number of active cases in the community is **three**.

### *Sudima Hotel MIF Staff Member*

- This case worked at the MIF in the Sudima Hotel, Christchurch. They had a routine test on 29 October, which was negative. On Saturday 31 October **s 9(2)(a)** and on Sunday 01 November, **s 9(2)(a)** They were tested the same day at the CBAC and are currently self-isolating.
- Interviews are ongoing with close and casual contacts. Interviews of close contacts will be completed today.
- Arrangements will be finalised which will enable the case and their household contact to undertake isolation and quarantine at home.
- **Review of Countdown CCTV footage indicates it is highly likely no close contact occurred.**

### *Maritime Company Outbreak*


- As at 26 October, four cases had been identified in relation to this outbreak. Three cases are employees of the same company. The fourth case (Case D) is a household contact of Case C. Investigations continue to identify whether the *Sofrana Surville* is a common exposure event for Case A & B.
- Whole genomic sequencing for three of the Auckland cases shows they have identical genomes.
- Three cases linked to the maritime company outbreak have recovered.
- Three of the 19 crew members on the *Sofrana Surville* had evidence of a current or previous infection when tested in Australia, all of whom were replacement crew members who joined in Auckland. A genome sequence obtained by Queensland Public Health is the same subtype with 1 mutation less than the NZ genomes. This is consistent with the replacement crew members being the source of introduction onto the ship, the infection source for the maritime company workers, and therefore, the source of the outbreak. We are awaiting genomic sequencing for the other two crew members.
- A request has also been made via the NFP for PCR testing and serology testing of the four 'off-signers' in Auckland who returned to Manila.

## *Auckland Community Outbreak*

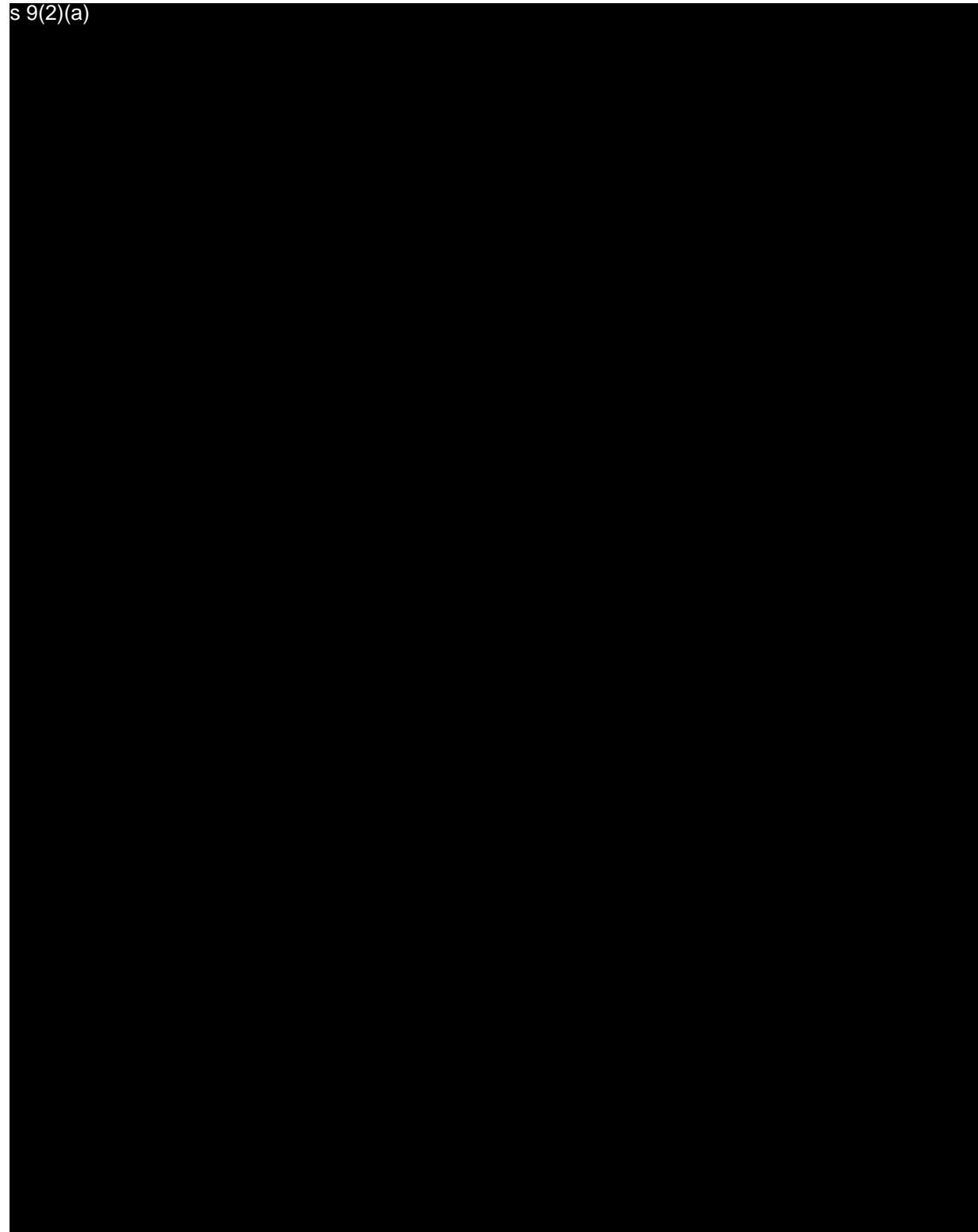
- This cluster closed today.

## *Community Case Contact Testing*

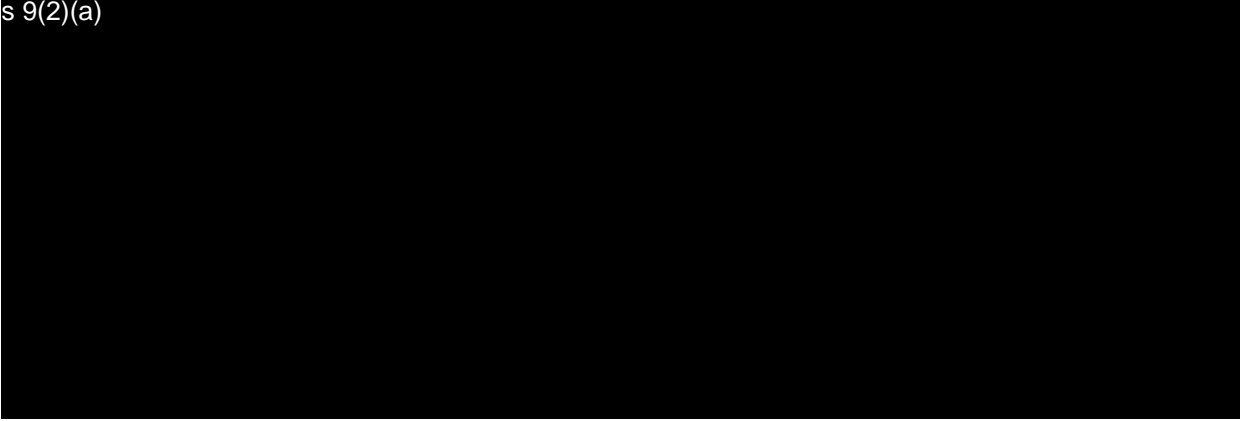
s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the 'Community Case Contact Testing' header.

s 9(2)(a)



## Imported Cases in Managed Isolation

**Table 4: Total cases and active cases identified at the border at 1630 03 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
293	74

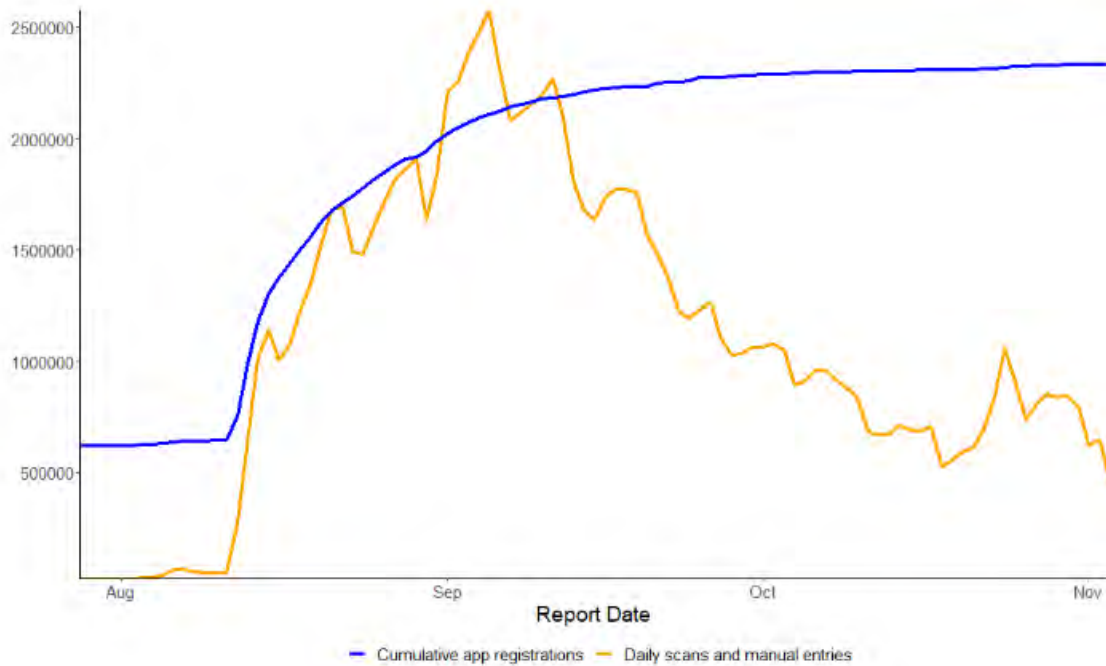
- One new case has been detected at the border since 0900 03 November.
  - The case arrived in New Zealand on 18 October from Japan. They were in isolation at s 9(2)(a), Wellington upon arrival. Tested positive at day 12 testing and moved to MIQ Grand Mercure Hotel, Wellington. This is likely to be a historic case based on high Ct value of initial test, negative repeat PCR test and positive serology and saliva test. This is to be confirmed.

### International Mariners

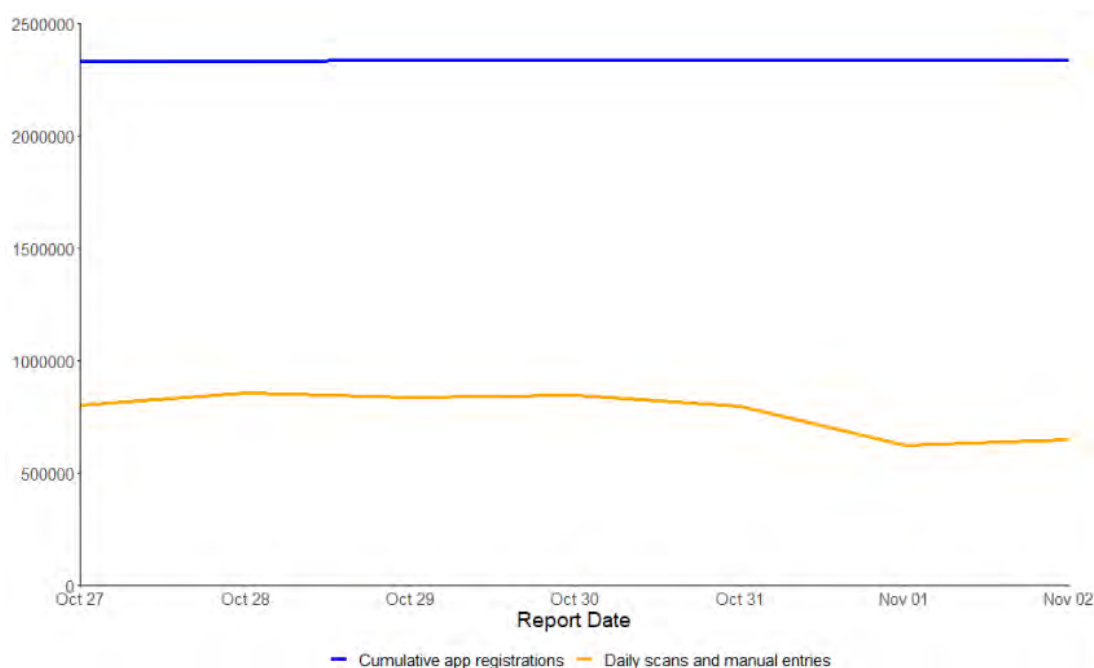
- On 16 October, a chartered flight arrived in New Zealand from Russia via Singapore with 235 mariners onboard.
- Day 6 tests on 22 October returned 8 positive and 206 negative results. 18 were not tested as they were already cases.
- 11 higher-risk contacts were tested on Day 9, with three further cases identified.
- Day 12 tests on 28 October identified 1 further positive case.
- Day 15 tests on 31 October identified 1 further positive case.
- All the mariners are staying at Sudima Hotel, Christchurch.
- Following notification of the positive test result in a worker at the Sudima, mariners due to depart on 03 November were delayed indefinitely to allow appropriate investigations to take place.
- Genome sequencing suggests several separate initial infections with the subsequent spread of one main lineage within the group. Whole genomic sequencing of 11 high quality genomes from the international mariners has resulted in the detection of three separate lineages: B.1.1.7, B.1.1.10 and B.1.1.77; in the partial genomes, B.1.5 has also been detected. The B.1.1.77 is the main lineage and seems to have spread within the group.

## COVID-19 App Scans

**Figure 1: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1300 03 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1300 03 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 5: Border Testing and MIF/MIQ Guest Testing as at 1000 03 November 2020**

Grouping	Reason for test:	27 Oct	28 Oct	29 Oct	30 Oct	31 Oct	01 Nov	02 Nov	Weekly Total
Border workers	Air Crew	92	50	46	57	47	27	67	386
	Airport Staff	139	215	167	80	229	82	98	1010
	Maritime Crew	0	33	11	3	0	0	0	47
	MIF Staff	274	287	512	348	378	177	162	2138
	MIQ Staff	34	65	38	50	44	25	39	295
	Port Staff-Port of Tauranga Ltd	2	55	32	21	1	20	0	131
	Port Staff – Port of Auckland	4	10	106	21	47	6	0	194
	Port Staff-Remainder	5	38	77	69	24	7	0	220
Community	CTCs And Pop-Ups	1526	3133	2919	2241	1348	1039	497	12703
	GPs and Other Primary Health	822	2478	2449	2107	1375	897	797	10925
Travellers	Staying At MIF	394	1025	1101	947	888	736	680	5771
	Staying At MIQ	43	14	14	20	20	30	115	256
Total		3335	7403	7472	5964	4401	3046	2455	34076

## Day 3 and Day 12 testing

**Table 6: MIQ/MIF guest testing as at 1000 03 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
20/10/2020	666	467	160	22	0
21/10/2020	1066	604	392	1	0
22/10/2020	574	299	206	2	0
23/10/2020	1194	705	427	16	1
24/10/2020	644	251	341	0	0
25/10/2020	862	432	379	1	0
26/10/2020	402	177	196	1	0
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1083	357	645	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	805	315	443	2	6
2/11/2020	889	518	328	2	1

**Table 7: Reasons for not having a Day 3 and/or Day 12 test as at 1000 03 November 2020**

Reason for no test	September	October	November	Total
Child*	80	65	10	<b>155</b>
Clinical	5	6	3	<b>14</b>
Management Plan Change	2			<b>2</b>
No Consent	17	24	3	<b>44</b>
Other**	4	66	7	<b>77</b>
Total	<b>108</b>	<b>161</b>	<b>23</b>	<b>292</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.



## *DHB Testing by Ethnicity*

Table 8: Number of people tested for COVID-19 from 20 October to 02 November.

	Prioritised ethnicity MPAO					
DHB of domicile	Māori	Pacific	Asian	Other	Unknown	Total
Auckland	386	626	1883	3307	966	7168
Bay of Plenty	276	47	117	988	30	1458
Canterbury	211	109	390	2363	335	3408
Capital and Coast	242	238	317	1762	74	2633
Counties Manukau	718	1644	1518	1843	185	5908
Hawke's Bay	132	87	42	444	20	725
Hutt Valley	127	75	128	537	18	885
Lakes	170	17	54	306	16	563
MidCentral	94	30	79	622	32	857
Nelson Marlborough	64	38	50	730	10	892
Northland	187	17	28	462	12	706
South Canterbury	13	6	9	145	7	180
Southern	128	44	156	1257	41	1626
Tairāwhiti	88	5	15	105	5	218
Taranaki	106	11	63	515	9	704
Waikato	403	59	309	1513	66	2350
Wairarapa	31	4	10	138	9	192
Waitematā	611	566	1742	4913	96	7928
West Coast	7	0	5	57	-	69
Whanganui	34	7	4	145	1	191
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4037</b>	<b>3640</b>	<b>6926</b>	<b>22189</b>	<b>1955</b>	<b>38747</b>

Table 9: Rate per 1000 people tested for COVID-19 from 20 October to 02 November.

DHB of domicile	Prioritised ethnicity MPAO				
	Māori	Pacific	Asian	Other	Total
Auckland	8.87	11.16	10.06	12.65	13.08
Bay of Plenty	4.62	10.57	5.97	6.28	6.05
Canterbury	4.02	7.69	6.42	5.3	5.94
Capital and Coast	6.63	10.73	6.32	8.28	8.19
Counties Manukau	8.06	13.69	10.04	8.81	10.37
Hawke's Bay	3.05	13.56	4.58	4.11	4.34
Hutt Valley	4.87	6.42	6.82	5.7	5.87
Lakes	4.42	6.65	5.55	5.1	5.08
MidCentral	2.58	5.41	5.1	5.03	4.73
Nelson Marlborough	3.99	15.38	6.74	5.8	5.88
Northland	3.07	4.52	3.39	4.24	3.88
South Canterbury	2.45	12.29	3.8	2.81	3.01
Southern	3.81	6.39	6.05	4.7	4.87
Tairāwhiti	3.55	4.47	12.85	4.75	4.43
Taranaki	4.54	7.9	10.12	5.73	5.82
Waikato	4.18	4.43	7	5.62	5.55
Wairarapa	3.89	4.81	8.02	3.87	4.2
Waitematā	9.76	12.69	12.12	12.85	12.52
West Coast	1.81	0	5.41	2.11	2.15
Whanganui	1.96	4.6	1.37	3.37	2.95
<b>Total</b>	<b>5.2</b>	<b>11.4</b>	<b>9</b>	<b>7.2</b>	<b>7.8</b>

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 0900

04 NOVEMBER 2020

### ***Statistics at a glance***

Total Active Cases in New Zealand (Community and MIQ)

**73**

***In the Community  
(since 11 August –  
see Table 1)***

New Cases since 0900

**1**

Total Recovered

**186**

Total Deceased

**3**

Active Community Cases

**3**

Total Cases Since 11 August

**192**

***Imported cases in  
Managed Isolation  
and Quarantine***

New Cases since 0900

**2**

Total Recovered

**224**

Active MIF/MIQ Cases

**70**

Total Imported MIQ Cases

**294**

***Laboratory  
Testing***

Total Tests in Last 24 Hours

**7,171**

Total Tests over  
Last Seven Days

**37,912**

Total Laboratory Tests

**1,113,739**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at 0900 04 November 2020

Outbreak	New cases (since 1700 03/11/20)	Total cases	Active cases remaining
Maritime Company	0	4	1
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
Sudima Hotel (MIF)	1	2	2
<b>Total</b>	<b>1</b>	<b>192</b>	<b>3</b>

## New Zealand COVID-19 summary

Table 2: New Zealand COVID-19 Summary as at 0900 04 November 2020

Case status	Active	Recovered	Deceased	Total
Confirmed	73 (-2)*	1522 (+5)	20	1615 (+3)
Probable	0	351	5	356
<b>Total</b>	<b>73 (-2)*</b>	<b>1873 (+5)</b>	<b>25</b>	<b>1971 (+3)</b>

\*3 new cases, 5 recovered.

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 summary .....	2
Cases in the Community.....	4
<i>Sudima Hotel MIF Staff Member</i> .....	4
<i>Maritime Company Outbreak</i> .....	4
<i>Auckland Community Outbreak</i> .....	5
Imported Cases in Managed Isolation .....	7
<i>International Mariners</i> .....	7
Community Behaviour Indicators.....	8
<i>Healthline</i> .....	8
<i>COVID-19 App Scans</i> .....	10
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing</i> .....	11
<i>Day 3 and Day 12 testing</i> .....	12
<i>DHB Testing by Ethnicity</i> .....	13

## Cases in the Community

- There is **one** new community case since 0900 03 November 2020.
- The total number of active cases in the community is **three**.

### *Sudima Hotel MIF Staff Member*

- As at 0900 4 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, have tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A **s 9(2)(a)**, and on 1 November, **s 9(2)(a)** They were tested on the same day at the CBAC. Arrangements have been made for them and their household contact to undertake isolation and quarantine at home.
- Interviews are ongoing with close and casual contacts. A review by CPH staff of Countdown CCTV footage has confirmed there are no close contacts from the supermarket.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- All staff who worked at the Sudima Hotel since 23 October are being retested, which is expected to be completed today.
- A CBAC will be stood up for today from 1130 to 1630 in the Princess Margaret Hospital carpark. Members of the public seeking a test are able to attend regardless of symptom status, with no appointment necessary.

### *Maritime Company Outbreak*


- As at 26 October, four cases had been identified in relation to this outbreak. Three cases are employees of the same company. The fourth case (Case D) is a household contact of Case C. Investigations continue to identify whether the *Sofrana Surville* is a common exposure event for Case A and B.
- Whole genomic sequencing for three of the Auckland cases shows they have identical genomes.
- Three cases linked to the maritime company outbreak have recovered.
- Three of the 19 crew members on the *Sofrana Surville* had evidence of a current or previous infection when tested in Australia, all of whom were replacement crew members who joined in Auckland. A genome sequence obtained by Queensland Public Health is the same subtype with 1 mutation less than the NZ genomes. This is consistent with the replacement crew members being the source of introduction onto the ship, the infection source for the maritime company workers, and therefore, the source of the outbreak. We are awaiting genomic sequencing for the other two crew members.
- A request has also been made via the NFP for PCR testing and serology testing of the four 'off-signers' in Auckland who returned to Manila.

## *Auckland Community Outbreak*

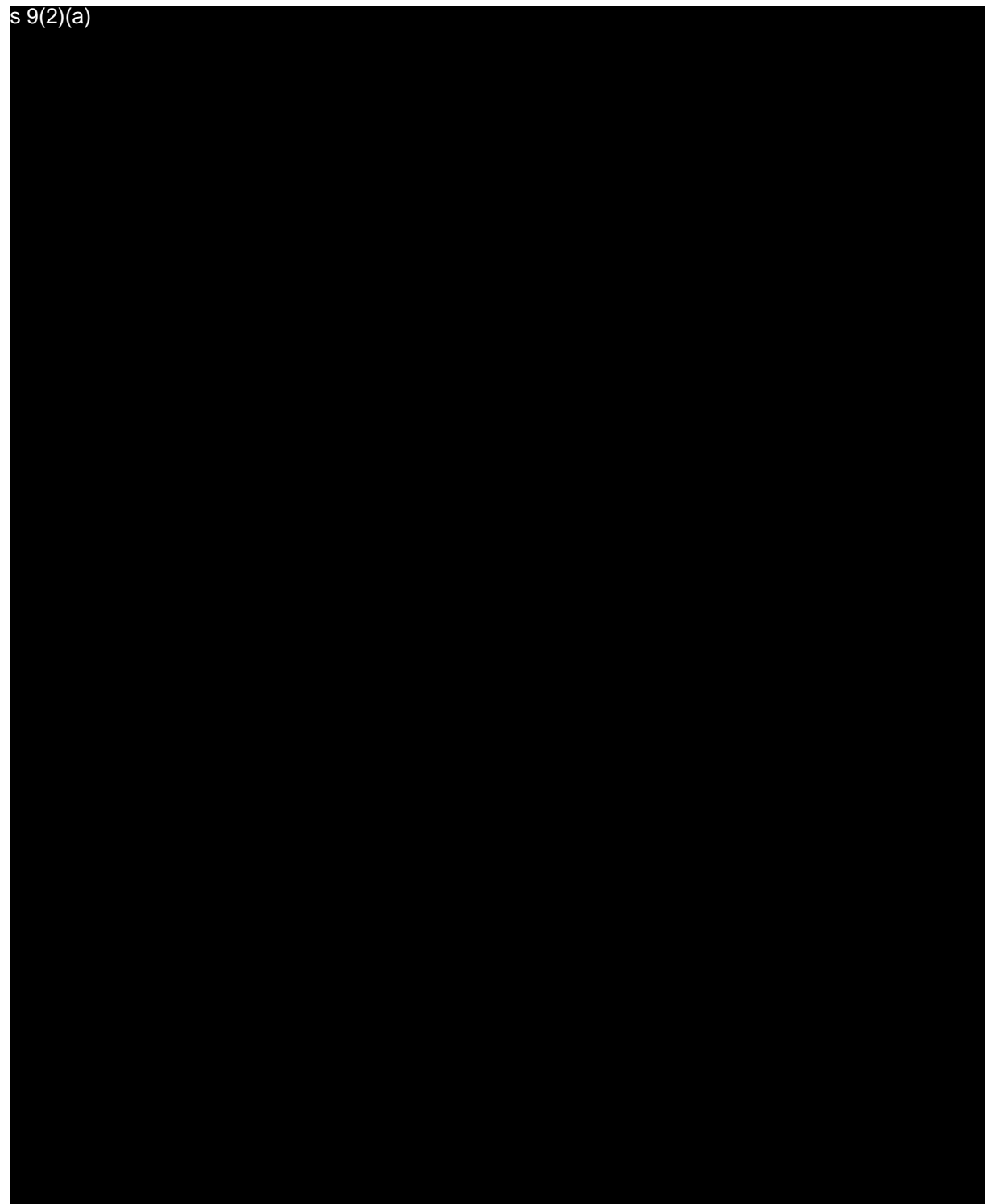
- This cluster closed on 03 November.

## *Community Case Contact Testing*

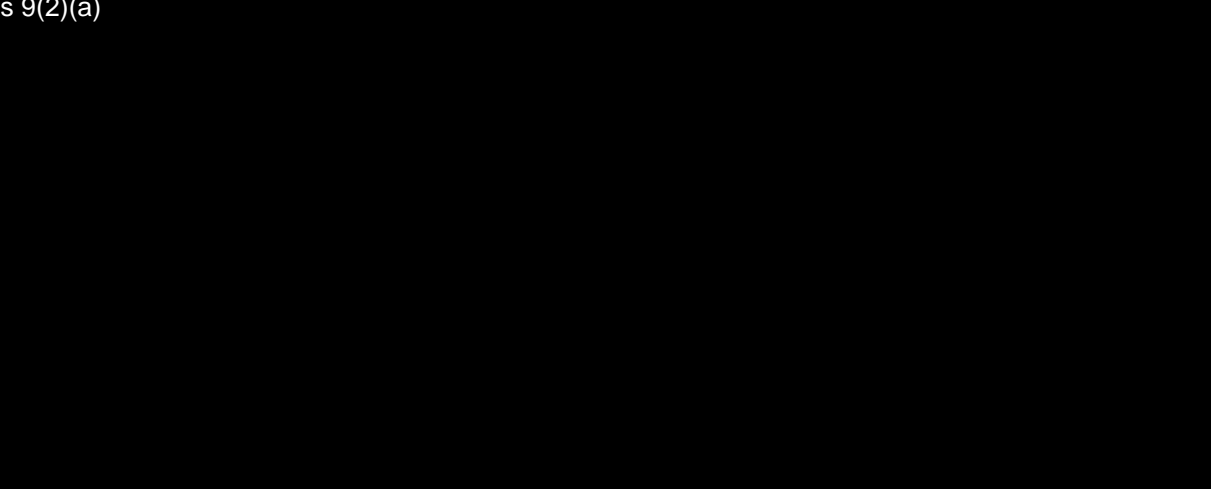
s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the section header.

s 9(2)(a)





## Imported Cases in Managed Isolation

**Table 4: Total cases and active cases identified at the border as at 0900 04 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
294	70

- Two new cases have been detected at the border since 0900 03 November.
  - Case 1 has been confirmed to be a historic case based on high CT value of initial test, negative repeat PCR test and positive serology and saliva test. They arrived in New Zealand on 18 October from Japan. They were in isolation at s 9(2)(a) Wellington upon arrival. Tested positive at day 12 testing on 30 October and moved to MIQ Grand Mercure Hotel, Wellington.
  - Case 2 arrived in New Zealand on 31 October from Singapore and tested positive on day 3. Was in isolation at s 9(2)(a) Auckland, upon arrival and now is at Jet Park, Auckland.

### International Mariners

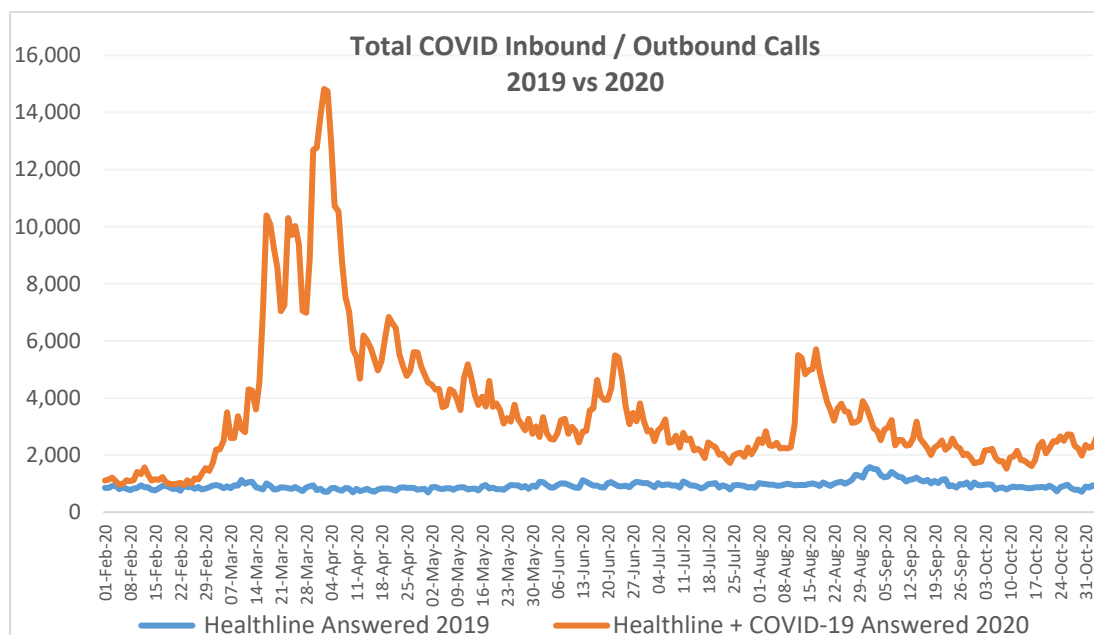
- On 16 October, a chartered flight arrived in New Zealand from Russia via Singapore with 235 mariners onboard.
- Day 6 tests on 22 October returned 8 positive and 206 negative results. 18 were not tested as they were already cases.
- 11 higher-risk contacts were tested on Day 9, with three further cases identified.
- Day 12 tests on 28 October identified 1 further positive case.
- Day 15 tests on 31 October identified 1 further positive case.
- All the mariners are staying at Sudima Hotel, Christchurch.
- Following notification of the positive test result in a worker at the Sudima, mariners due to depart on 03 November were delayed indefinitely to allow appropriate investigations to take place.
- Genome sequencing suggests several separate initial infections with the subsequent spread of one main lineage within the group. Whole genomic sequencing of 11 high quality genomes from the international mariners has resulted in the detection of three separate lineages: B.1.1.7, B.1.1.10 and B.1.1.77; in the partial genomes, B.1.5 has also been detected. The B.1.1.77 is the main lineage and seems to have spread within the group.

# Community Behaviour Indicators

## Healthline

- On 03 November 2020 there were 2,597 contacts in Healthline. Of those calls, 1,220 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 675 contacts (lower than forecasted).
- The main themes on 03 November 2020 were:
  - A number of calls from Christchurch related to anxiety and concern from the public about rumours of a change in alert levels or lockdown for Christchurch, and requests for access to testing for people with symptoms.
  - People with a distant relationship or contact with border workers who were overly concerned or anxious they had minor symptoms.
  - Callers seeking clarification on locations of interest for both cases.
  - Frustration that mariners were responsible for the outbreak and had not been managed well.
  - Further calls related to test requirement changes for passengers flying back to China as issued by the Chinese embassy.

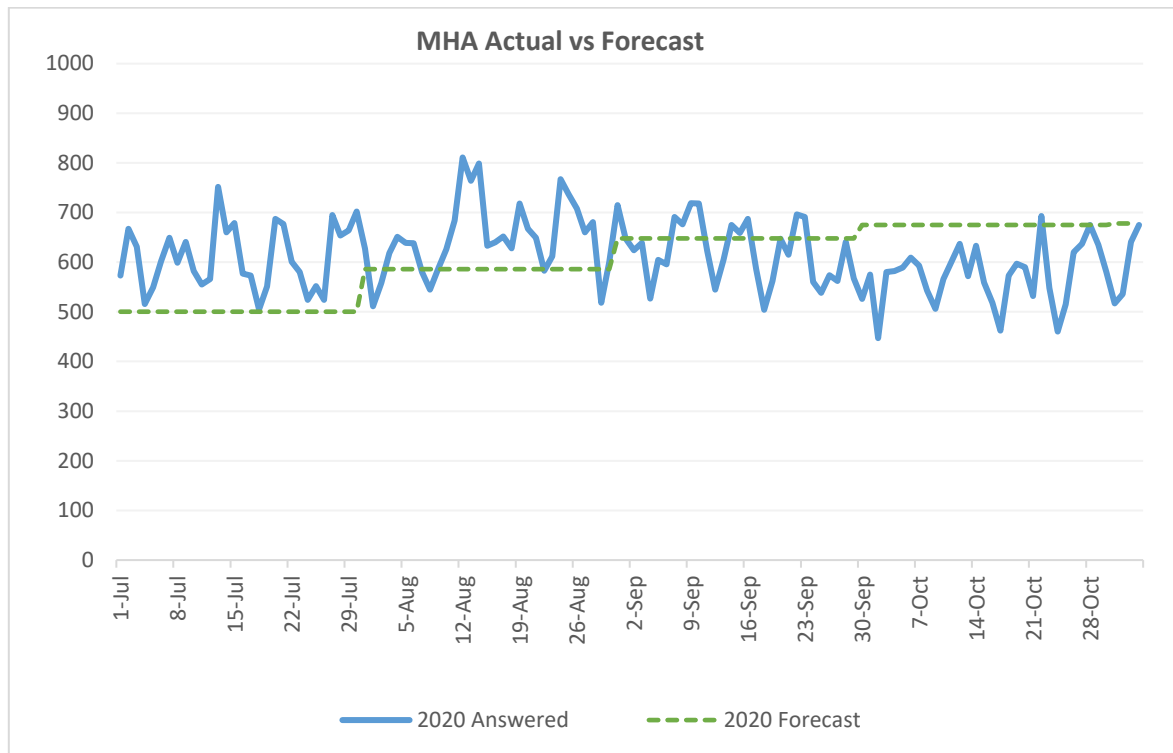
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

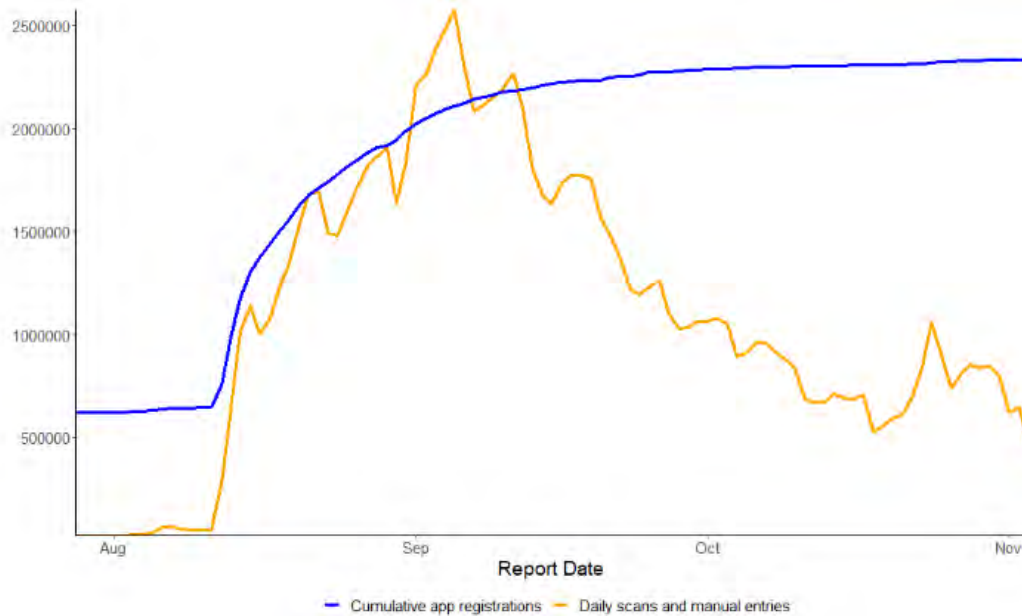
On 03 November 2020, demand on 1737 and other mental health services was elevated compared to the same day last year - in total circa 675 calls were answered, compared to 545 on the same day last year.

**Figure 2: Healthline Mental Health Response**

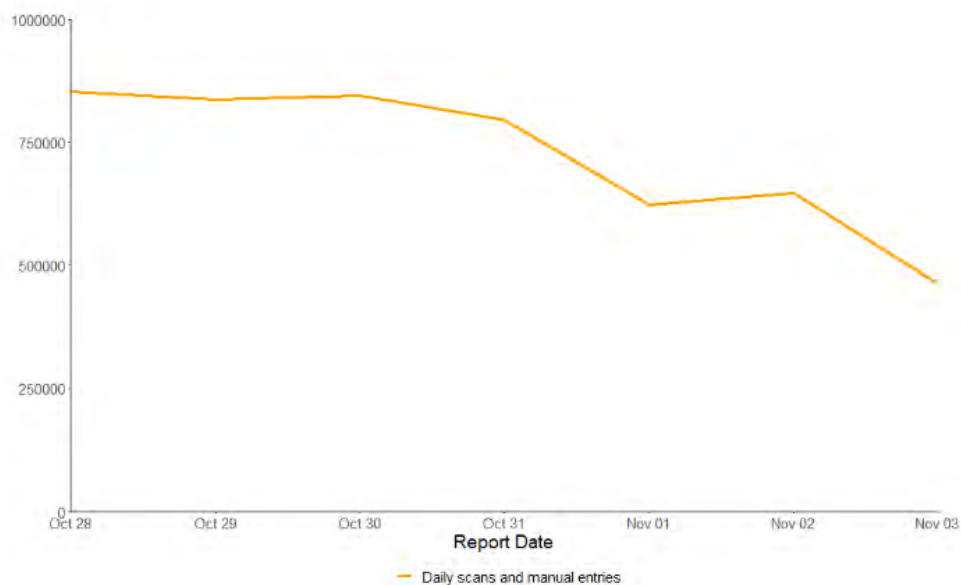


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 03 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 03 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 5: Border Testing and MIF/MIQ Guest Testing as at 1000 04 November 2020**

Grouping	Reason for test:	28 Oct	29 Oct	30 Oct	31 Oct	01 Nov	02 Nov	03 Nov	Weekly Total
Border workers	Air Crew	50	46	57	47	27	67	58	352
	Airport Staff	215	167	80	229	82	98	234	1105
	Maritime Crew	33	11	3	0	0	0	0	47
	MIF Staff	287	512	348	378	177	162	563	2427
	MIQ Staff	65	38	50	44	25	39	32	293
	Port Staff-Port of Tauranga Ltd	55	32	21	1	20	0	23	152
	Port Staff – Port of Auckland	10	106	21	47	6	0	84	274
	Port Staff-Remainder	38	77	69	24	7	0	66	281
Community	CTCs And Pop-Ups	3211	2991	2299	1368	1055	642	2713	14279
	GPs and Other Primary Health	2400	2377	2049	1355	879	652	2540	12252
Travellers	Staying At MIF	1025	1101	947	888	738	680	776	6155
	Staying At MIQ	14	14	20	20	30	115	82	295
Total		7403	7472	5964	4401	3046	2455	7171	37912

*Day 3 and Day 12 testing***Table 6: MIQ/MIF guest testing as at 1000 04 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
21/10/2020	1066	604	392	1	0
22/10/2020	573	299	206	2	0
23/10/2020	1194	705	427	16	1
24/10/2020	644	251	341	0	0
25/10/2020	862	432	379	1	0
26/10/2020	402	177	196	1	0
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1083	357	645	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	806	315	444	2	6
2/11/2020	890	521	326	2	1
3/11/2020	739	418	254	0	0

**Table 7: Reasons for not having a Day 3 and/or Day 12 test as at 1000 04 November 2020**

Reason for no test	September	October	November	Total
Child*	80	65	14	159
Clinical	5	6	3	14
Management Plan Change	2			2
No Consent	17	24	3	44
Other**	4	66	7	77
Total	108	161	27	296

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 8: Number of people tested for COVID-19 from 21 October to 03 November.

DHB of domicile	Prioritised ethnicity MPAO					
	Māori	Pacific	Asian	Other	Unknown	Total
Auckland	387	661	1989	3431	999	7467
Bay of Plenty	286	49	125	977	30	1467
Canterbury	209	117	418	2357	172	3273
Capital and Coast	239	240	308	1743	74	2604
Counties Manukau	750	1648	1627	1872	193	6090
Hawke's Bay	133	65	43	442	20	703
Hutt Valley	131	73	139	519	16	878
Lakes	165	13	56	296	18	548
MidCentral	96	32	78	615	29	850
Nelson Marlborough	67	41	50	740	13	911
Northland	211	17	27	507	13	775
South Canterbury	13	6	9	164	7	199
Southern	126	47	157	1323	43	1696
Tairāwhiti	95	5	14	112	5	231
Taranaki	92	9	53	442	10	606
Waikato	389	59	303	1460	67	2278
Wairarapa	29	4	10	141	9	193
Waitematā	627	571	1821	4979	94	8092
West Coast	5	0	4	57	-	66
Whanganui	33	7	4	149	2	195
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4091</b>	<b>3674</b>	<b>7240</b>	<b>22363</b>	<b>1837</b>	<b>39205</b>

Table 9: Rate per 1000 people tested for COVID-19 from 21 October to 03 November.

DHB of domicile	Prioritised ethnicity MPAO				
	Māori	Pacific	Asian	Other	Total
Auckland	8.9	11.79	10.63	13.12	13.62
Bay of Plenty	4.78	11.02	6.38	6.21	6.08
Canterbury	3.99	8.25	6.88	5.28	5.71
Capital and Coast	6.54	10.82	6.14	8.19	8.1
Counties Manukau	8.42	13.72	10.77	8.95	10.69
Hawke's Bay	3.08	10.13	4.69	4.09	4.21
Hutt Valley	5.03	6.25	7.41	5.51	5.82
Lakes	4.29	5.09	5.76	4.94	4.95
MidCentral	2.64	5.77	5.03	4.97	4.69
Nelson Marlborough	4.18	16.59	6.74	5.88	6
Northland	3.47	4.52	3.26	4.65	4.26
South Canterbury	2.45	12.29	3.8	3.17	3.33
Southern	3.75	6.83	6.09	4.95	5.08
Tairāwhiti	3.83	4.47	11.99	5.07	4.7
Taranaki	3.94	6.46	8.51	4.92	5.01
Waikato	4.04	4.43	6.87	5.42	5.38
Wairarapa	3.64	4.81	8.02	3.95	4.22
Waitematā	10.02	12.8	12.66	13.02	12.78
West Coast	1.29	0	4.32	2.11	2.06
Whanganui	1.9	4.6	1.37	3.46	3.01
Total	5.3	11.5	9.4	7.2	7.9



# Daily COVID-19 Situation UPDATE

## Key Facts and Figures

As at 1600

04 NOVEMBER 2020

### Statistics at a glance

Total Active Cases in New Zealand (Community and MIQ)

**74**

**In the Community**  
(since 11 August –  
see Table 1)

New Cases since 0900

**0**

Total Recovered

**186**

Total Deceased

**3**

Active Community Cases

**3**

Total Cases Since 11 August

**192**

**Imported cases in**  
**Managed Isolation**  
**and Quarantine**

New Cases since 0900

**1**

Total Recovered

**224**

Active MIF/MIQ Cases

**71**

Total Imported MIQ Cases

**295**

**Laboratory**  
**Testing**

Total Tests in Last 24 Hours

**7,171**

Total Tests over  
Last Seven Days

**37,912**

Total Laboratory Tests

**1,113,739**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at **1600 04 November 2020**

Outbreak	New cases (since 0900)	Total cases	Active cases remaining
Maritime Company	0	4	1
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
Sudima Hotel (MIF)	0	2	2
<b>Total</b>	<b>0</b>	<b>192</b>	<b>3</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at **1600 04 November 2020**

Case status	Active	Recovered	Deceased	Total
Confirmed	74 (+1)	1522	20	1616 (+1)
Probable	0	351	5	356
<b>Total</b>	<b>74 (+1)</b>	<b>1873</b>	<b>25</b>	<b>1972 (+1)</b>

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>Sudima Hotel MIF Staff Members</i> .....	4
<i>Maritime Company Outbreak</i> .....	4
<i>Auckland Community Outbreak</i> .....	5
Imported Cases in Managed Isolation.....	7
<i>International Mariners</i> .....	7
<i>COVID-19 App Scans</i> .....	8
Precautionary Testing .....	9
<i>Border and Arrival Lab Testing</i> .....	9
<i>Day 3 and Day 12 testing</i> .....	10
<i>DHB Testing by Ethnicity</i> .....	11

## Cases in the Community

- There have been no new community cases since 1600 03 November 2020.
- The total number of active cases in the community is three.

### *Sudima Hotel MIF Staff Members*

- As at 0900 4 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, have tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A § 9(2)(a), and on 1 November, § 9(2)(a) § 9(2)(a) They were tested on the same day at the CBAC. Arrangements have been made for them and their household contact to undertake isolation and quarantine at home.
- Interviews are ongoing with close and casual contacts. A review by CPH staff of Countdown CCTV footage has confirmed there are no close contacts from the supermarket.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- 188 of 191 staff who worked at the Sudima Hotel since 23 October have been tested. CPH are confirming the final three staff members have been tested.
- A CBAC was stood up for today from 1130 to 1630 in the Princess Margaret Hospital carpark. As at 1500, 170 people had been tested at this site.

### *Maritime Company Outbreak*


- As at 26 October, four cases had been identified in relation to this outbreak. Three cases are employees of the same company. The fourth case (Case D) is a household contact of Case C. Investigations continue to identify whether the *Sofrana Surville* is a common exposure event for Case A and B.
- Whole genomic sequencing for three of the Auckland cases shows they have identical genomes.
- Three cases linked to the maritime company outbreak have recovered.
- Three of the 19 crew members on the *Sofrana Surville* had evidence of a current or previous infection when tested in Australia, all of whom were replacement crew members who joined in Auckland. A genome sequence obtained by Queensland Public Health is the same subtype with 1 mutation less than the NZ genomes. This is consistent with the replacement crew members being the source of introduction onto the ship, the infection source for the maritime company workers, and therefore, the source of the outbreak. We are awaiting genomic sequencing for the other two crew members.
- A request has also been made via the NFP for PCR testing and serology testing of the four 'off-signers' in Auckland who returned to Manila.

## *Auckland Community Outbreak*

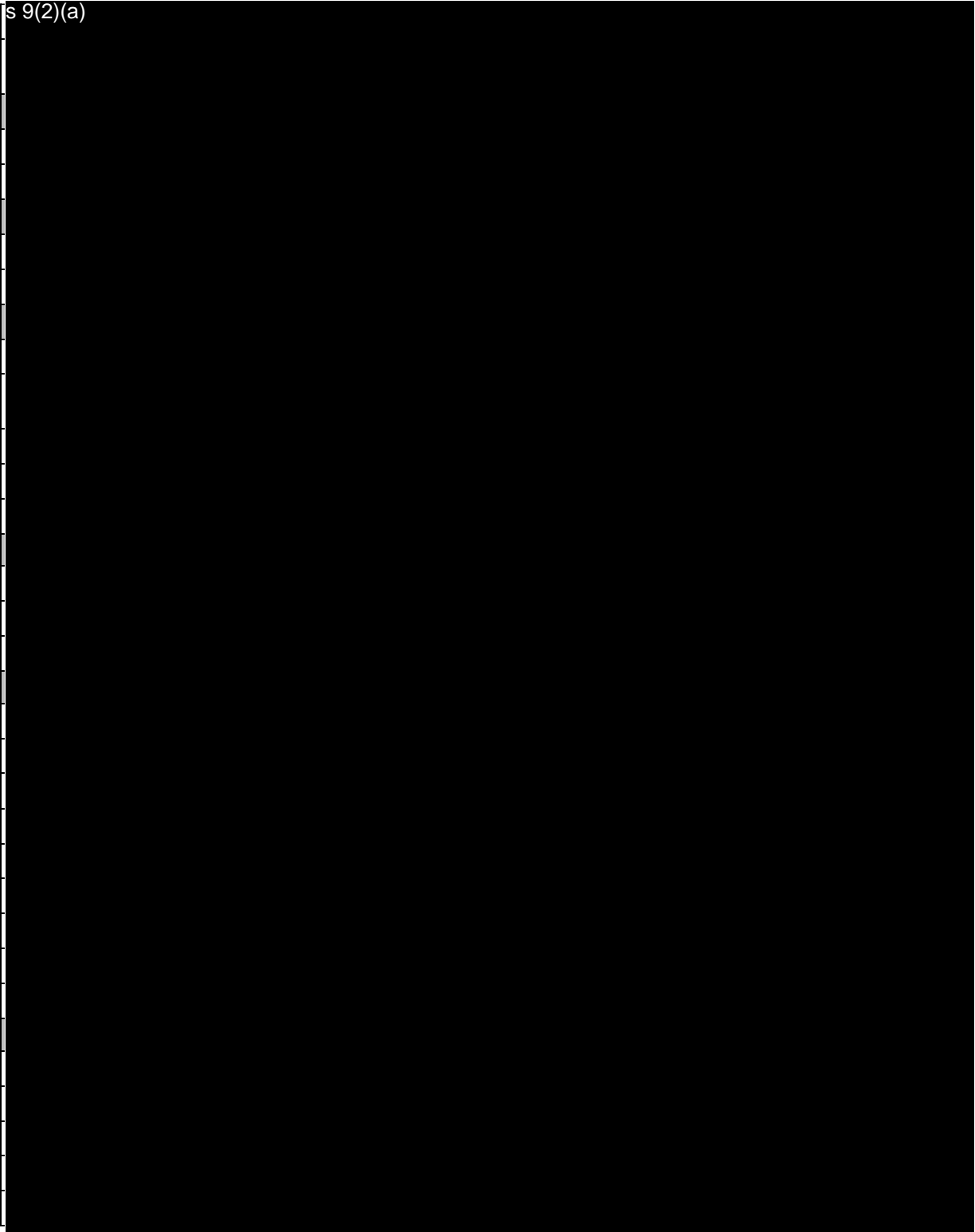
- This cluster closed on 03 November.

## *Community Case Contact Testing*

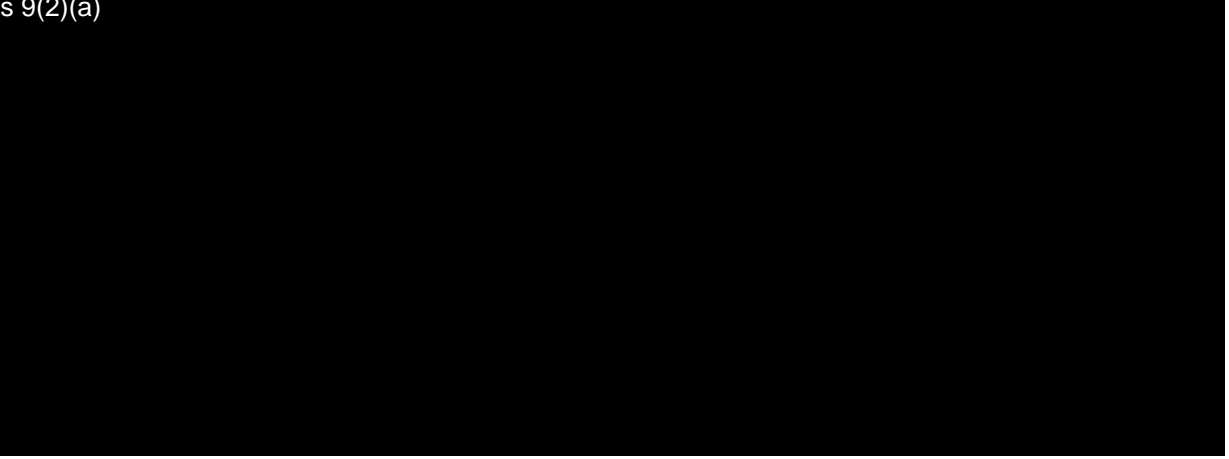
s 9(2)(a)

A horizontal black bar redacting a line of text.

s 9(2)(a)

A large rectangular black box redacting the majority of the page content.

s 9(2)(a)



## Imported Cases in Managed Isolation

**Table 4: Total cases and active cases identified at the border at 1600 04 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
295	71

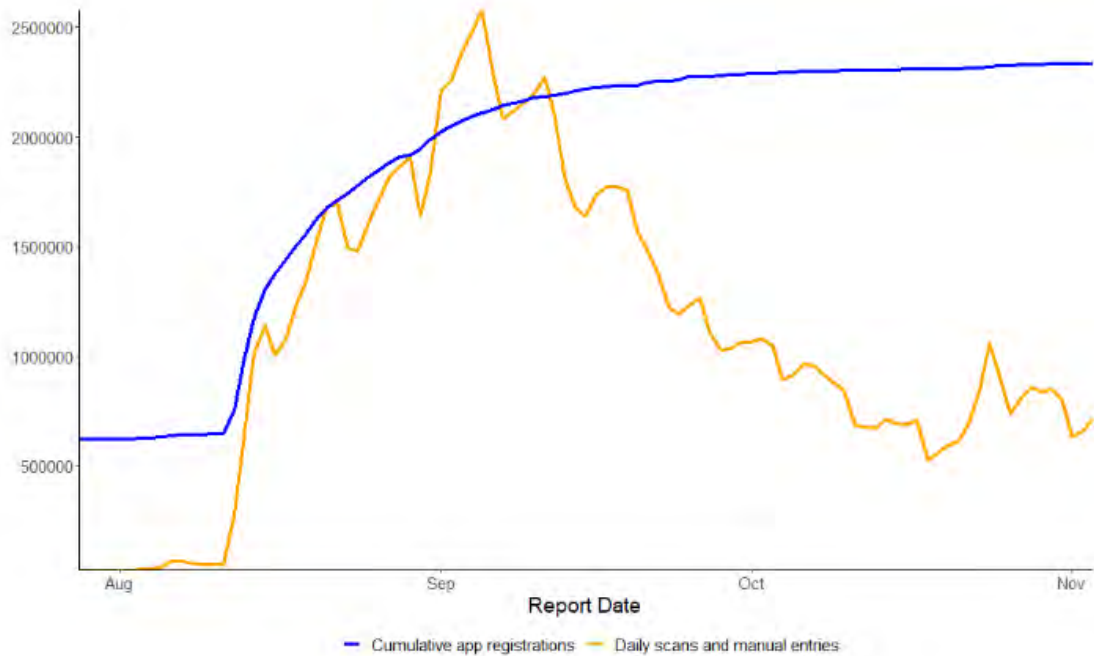
- One new case has been detected at the border since 0900 04 November.
  - This case was detected in Jet Park in Auckland, after being given permission to join a family member who recently arrived from overseas. The family member has previously been recorded in our positive case totals. This case will be recorded as an import-related case.

### International Mariners

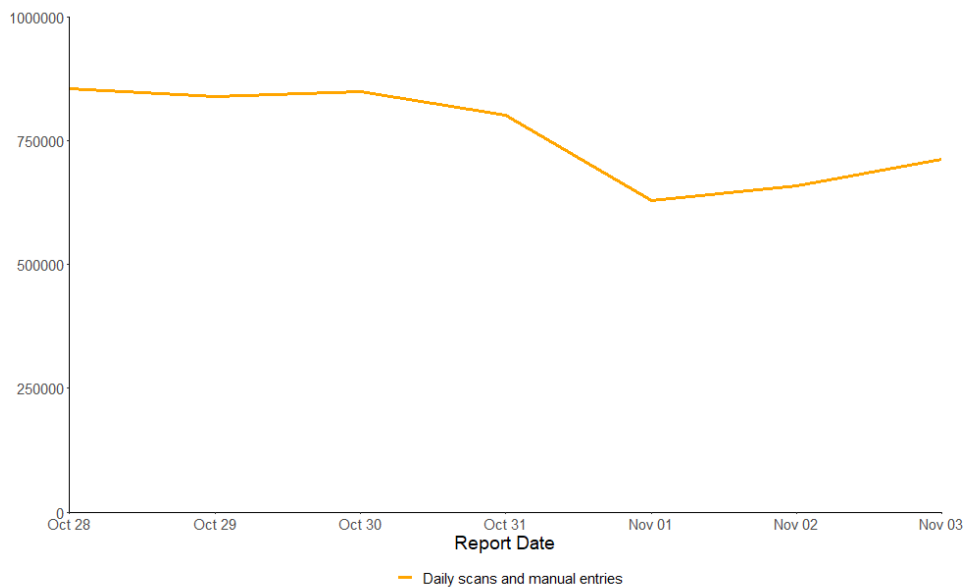
- On 16 October, a chartered flight arrived in New Zealand from Russia via Singapore with 235 mariners onboard.
- Day 6 tests on 22 October returned 8 positive and 206 negative results. 18 were not tested as they were already cases.
- 11 higher-risk contacts were tested on Day 9, with three further cases identified.
- Day 12 tests on 28 October identified 1 further positive case.
- Day 15 tests on 31 October identified 1 further positive case.
- All the mariners are staying at Sudima Hotel, Christchurch.
- Following notification of the positive test result in a worker at the Sudima, mariners due to depart on 03 November were delayed indefinitely to allow appropriate investigations to take place.
- Genome sequencing suggests several separate initial infections with the subsequent spread of one main lineage within the group. Whole genomic sequencing of 11 high quality genomes from the international mariners has resulted in the detection of three separate lineages: B.1.1.7, B.1.1.10 and B.1.1.77; in the partial genomes, B.1.5 has also been detected. The B.1.1.77 is the main lineage and seems to have spread within the group.

## COVID-19 App Scans

**Figure 1: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1300 04 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1300 04 November 2020**





# Precautionary Testing

## Border and Arrival Lab Testing

**Table 5: Border Testing and MIF/MIQ Guest Testing as at 1000 04 November 2020**

Grouping	Reason for test:	28 Oct	29 Oct	30 Oct	31 Oct	01 Nov	02 Nov	03 Nov	Weekly Total
Border workers	Air Crew	50	46	57	47	27	67	58	<b>352</b>
	Airport Staff	215	167	80	229	82	98	234	<b>1105</b>
	Maritime Crew	33	11	3	0	0	0	0	<b>47</b>
	MIF Staff	287	512	348	378	177	162	563	<b>2427</b>
	MIQ Staff	65	38	50	44	25	39	32	<b>293</b>
	Port Staff-Port of Tauranga Ltd	55	32	21	1	20	0	23	<b>152</b>
	Port Staff – Port of Auckland	10	106	21	47	6	0	84	<b>274</b>
	Port Staff-Remainder	38	77	69	24	7	0	66	<b>281</b>
Community	CTCs And Pop-Ups	3211	2991	2299	1368	1055	642	2713	<b>14279</b>
	GPs and Other Primary Health	2400	2377	2049	1355	879	652	2540	<b>12252</b>
Travellers	Staying At MIF	1025	1101	947	888	738	680	776	<b>6155</b>
	Staying At MIQ	14	14	20	20	30	115	82	<b>295</b>
Total		<b>7403</b>	<b>7472</b>	<b>5964</b>	<b>4401</b>	<b>3046</b>	<b>2455</b>	<b>7171</b>	<b>37912</b>

*Day 3 and Day 12 testing***Table 6: MIQ/MIF guest testing as at 1000 04 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
21/10/2020	1066	604	392	1	0
22/10/2020	573	299	206	2	0
23/10/2020	1194	705	427	16	1
24/10/2020	644	251	341	0	0
25/10/2020	862	432	379	1	0
26/10/2020	402	177	196	1	0
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1083	357	645	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	806	315	444	2	6
2/11/2020	890	521	326	2	1
3/11/2020	739	418	254	0	0

**Table 7: Reasons for not having a Day 3 and/or Day 12 test as at 1000 04 November 2020**

Reason for no test	September	October	November	Total
Child*	80	65	14	<b>159</b>
Clinical	5	6	3	<b>14</b>
Management Plan Change	2			<b>2</b>
No Consent	17	24	3	<b>44</b>
Other**	4	66	7	<b>77</b>
Total	<b>108</b>	<b>161</b>	<b>27</b>	<b>296</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## *DHB Testing by Ethnicity*

Table 8: Number of people tested for COVID-19 from 21 October to 03 November.

	Prioritised ethnicity MPAO					
DHB of domicile	Māori	Pacific	Asian	Other	Unknown	Total
Auckland	387	661	1989	3431	999	7467
Bay of Plenty	286	49	125	977	30	1467
Canterbury	209	117	418	2357	172	3273
Capital and Coast	239	240	308	1743	74	2604
Counties Manukau	750	1648	1627	1872	193	6090
Hawke's Bay	133	65	43	442	20	703
Hutt Valley	131	73	139	519	16	878
Lakes	165	13	56	296	18	548
MidCentral	96	32	78	615	29	850
Nelson Marlborough	67	41	50	740	13	911
Northland	211	17	27	507	13	775
South Canterbury	13	6	9	164	7	199
Southern	126	47	157	1323	43	1696
Tairāwhiti	95	5	14	112	5	231
Taranaki	92	9	53	442	10	606
Waikato	389	59	303	1460	67	2278
Wairarapa	29	4	10	141	9	193
Waitematā	627	571	1821	4979	94	8092
West Coast	5	0	4	57	-	66
Whanganui	33	7	4	149	2	195
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4091</b>	<b>3674</b>	<b>7240</b>	<b>22363</b>	<b>1837</b>	<b>39205</b>

Table 9: Rate per 1000 people tested for COVID-19 from 21 October to 03 November.

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	8.9	11.79	10.63	13.12	13.62
Bay of Plenty	4.78	11.02	6.38	6.21	6.08
Canterbury	3.99	8.25	6.88	5.28	5.71
Capital and Coast	6.54	10.82	6.14	8.19	8.1
Counties Manukau	8.42	13.72	10.77	8.95	10.69
Hawke's Bay	3.08	10.13	4.69	4.09	4.21
Hutt Valley	5.03	6.25	7.41	5.51	5.82
Lakes	4.29	5.09	5.76	4.94	4.95
MidCentral	2.64	5.77	5.03	4.97	4.69
Nelson Marlborough	4.18	16.59	6.74	5.88	6
Northland	3.47	4.52	3.26	4.65	4.26
South Canterbury	2.45	12.29	3.8	3.17	3.33
Southern	3.75	6.83	6.09	4.95	5.08
Tairāwhiti	3.83	4.47	11.99	5.07	4.7
Taranaki	3.94	6.46	8.51	4.92	5.01
Waikato	4.04	4.43	6.87	5.42	5.38
Wairarapa	3.64	4.81	8.02	3.95	4.22
Waitematā	10.02	12.8	12.66	13.02	12.78
West Coast	1.29	0	4.32	2.11	2.06
Whanganui	1.9	4.6	1.37	3.46	3.01
Total	5.3	11.5	9.4	7.2	7.9

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 0900

05 NOVEMBER 2020

### ***Statistics at a glance***

Total Active Cases in New Zealand (Community and MIQ)

**67**

***In the Community  
(since 11 August –  
see Table 1)***

New Cases since 0900  
Yesterday

**0**

Total Recovered

**187**

Total Deceased

**3**

Active Community Cases

**2**

Total Cases Since 11 August

**192**

***Imported cases in  
Managed Isolation  
and Quarantine***

New Cases since 0900  
Yesterday

**2**

Total Recovered

**231**

Active MIF/MIQ Cases

**65**

Total Imported MIQ Cases

**296**

***Laboratory  
Testing***

Total Tests in Last 24 Hours

**6,391**

Total Tests over  
Last Seven Days

**36,900**

Total Laboratory Tests

**1,120,130**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at **0900 05 November 2020**

Outbreak	New cases (since 1700 03/11/20)	Total cases	Active cases remaining
Maritime Company	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
Sudima Hotel (MIF)	0	2	2
<b>Total</b>	<b>0</b>	<b>192</b>	<b>2</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at **0900 05 November 2020**

Case status	Active	Recovered	Deceased	Total
Confirmed	67 (-6)*	1530 (+8)	20	1617 (+2)
Probable	0	351	5	356
<b>Total</b>	<b>67 (-6)*</b>	<b>1881 (+8)</b>	<b>25</b>	<b>1973 (+2)</b>

\*2 new cases, 8 recovered.

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>Sudima Hotel MIF Staff Members</i> .....	4
<i>Maritime Company Outbreak</i> .....	4
Imported Cases in Managed Isolation.....	7
<i>International Mariners</i> .....	7
Community Behaviour Indicators .....	8
<i>Healthline</i> .....	8
<i>COVID-19 App Scans</i> .....	10
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing</i> .....	11
<i>Day 3 and Day 12 testing</i> .....	12
<i>DHB Testing by Ethnicity</i> .....	13

## Cases in the Community

- There have been no new community cases since 1600 03 November 2020.
- The total number of active cases in the community is **two**.

### *Sudima Hotel MIF Staff Members*

- As at 0900 4 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, have tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A **s 9(2)(a)** and on 1 November, **s 9(2)(a)** They were tested on the same day at the CBAC. Arrangements have been made for them and their household contact to undertake isolation and quarantine at home.
- Interviews are ongoing with close and casual contacts. A review by CPH staff of Countdown CCTV footage has confirmed there are no close contacts from the supermarket.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- **All staff who worked at the Sudima Hotel since 23 October have been tested.**
- **A CBAC was stood up yesterday from 1130 to 1630 in the Princess Margaret Hospital carpark. 214 were tested at this site.**


### *Maritime Company Outbreak*

- As at 26 October, four cases had been identified in relation to this outbreak. Three cases are employees of the same company. The fourth case (Case D) is a household contact of Case C. Investigations continue to identify whether the *Sofrana Surville* is a common exposure event for Case A and B.
- Whole genomic sequencing for three of the Auckland cases shows they have identical genomes.
- **All cases linked to the maritime company outbreak have recovered.**
- Three of the 19 crew members on the *Sofrana Surville* had evidence of a current or previous infection when tested in Australia, all of whom were replacement crew members who joined in Auckland. A genome sequence obtained by Queensland Public Health is the same subtype with 1 mutation less than the NZ genomes. This is consistent with the replacement crew members being the source of introduction onto the ship, the infection source for the maritime company workers, and therefore, the source of the outbreak. We are awaiting genomic sequencing for the other two crew members.
- A request has also been made via the NFP for PCR testing and serology testing of the four 'off-signers' in Auckland who returned to Manila.

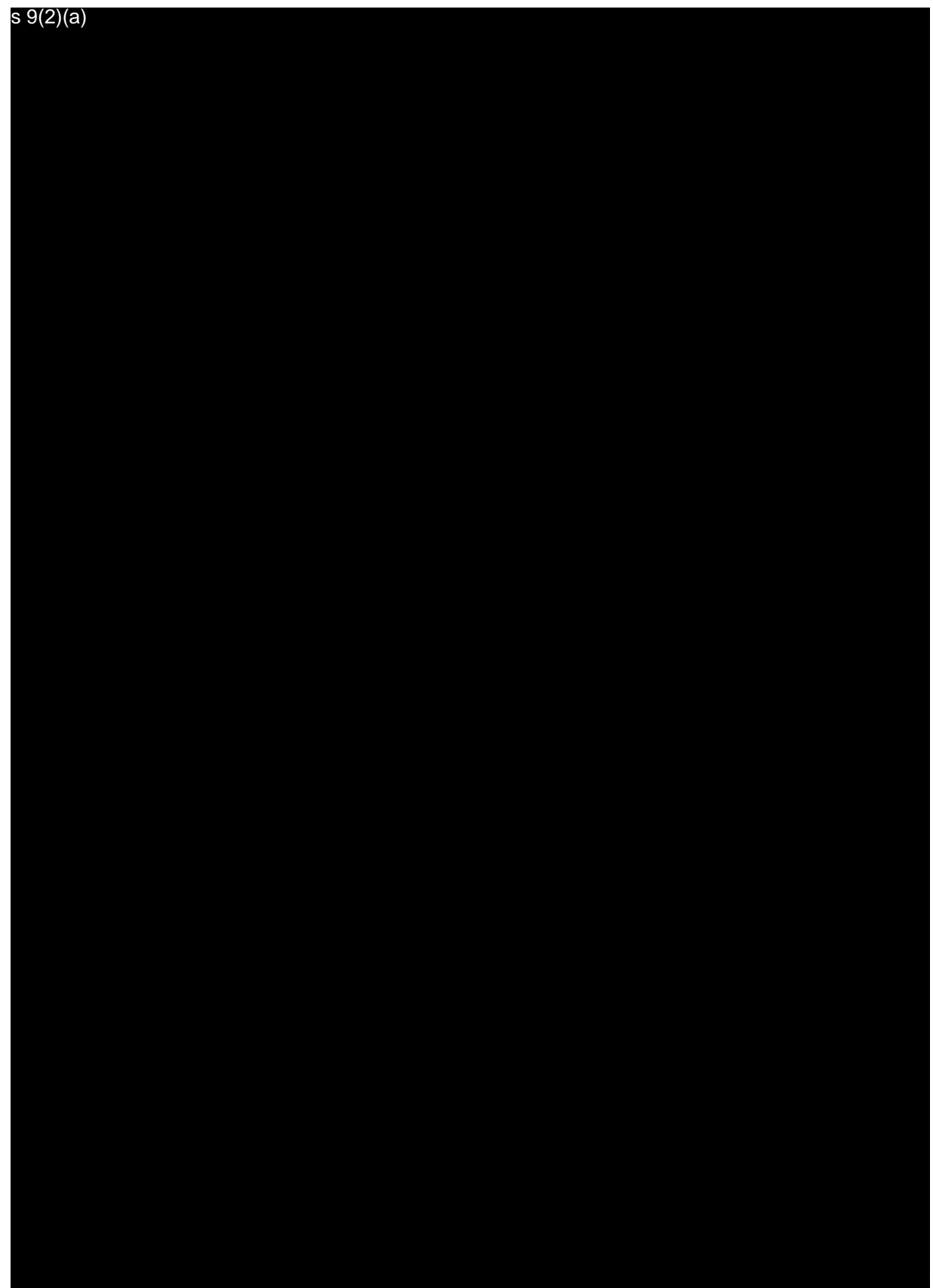


## *Community Case Contact Testing*

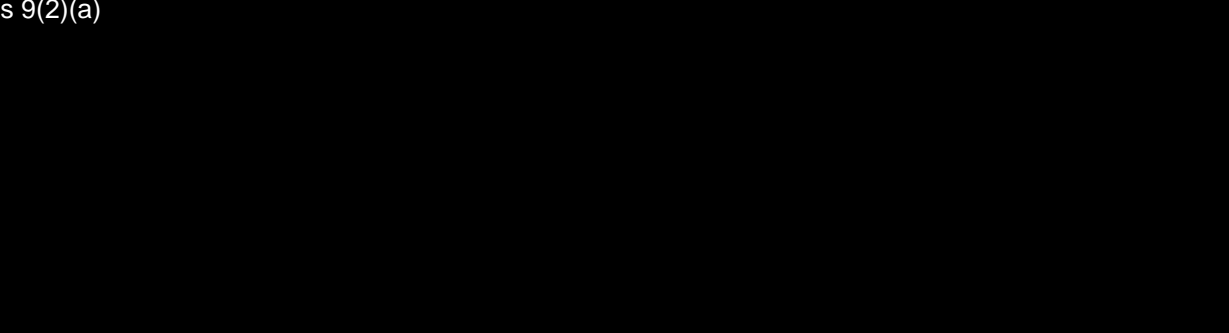
s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.

s 9(2)(a)



## Imported Cases in Managed Isolation

**Table 4: Total cases and active cases identified at the border as at 0900 05 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
296	65

- Two new cases have been detected at the border since 0900 04 November.
  - Case 1 was detected in Jet Park in Auckland, after being given permission to join a family member who recently arrived from overseas. The family member has previously been recorded in our positive case totals. This case will be recorded as an import-related case.
  - Case 2 arrived in New Zealand on 31 October from Singapore and has been in isolation at s 9(2)(a) Auckland, since arrival. Tested positive around day 3 testing and has now moved to Jet Park, Auckland.

### International Mariners

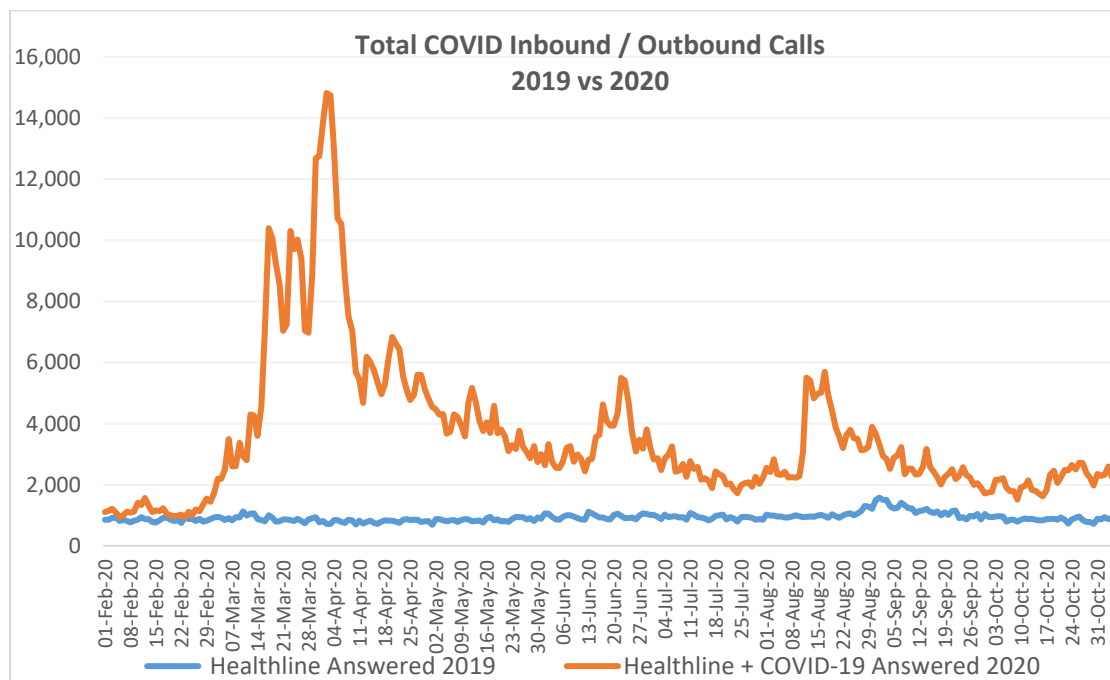
- On 16 October, a chartered flight arrived in New Zealand from Russia via Singapore with 235 mariners onboard.
- Day 6 tests on 22 October returned 8 positive and 206 negative results. 18 were not tested as they were already cases.
- 11 higher-risk contacts were tested on Day 9, with three further cases identified.
- Day 12 tests on 28 October identified 1 further positive case.
- Day 15 tests on 31 October identified 1 further positive case.
- All the mariners are staying at Sudima Hotel, Christchurch.
- Following notification of the positive test result in a worker at the Sudima, the mariners who were due to depart on 03 November were delayed indefinitely to allow appropriate investigations to take place. CPH are developing an exit plan.
- Genome sequencing suggests several separate initial infections with the subsequent spread of one main lineage within the group. Whole genomic sequencing of 11 high quality genomes from the international mariners has resulted in the detection of three separate lineages: B.1.1.7, B.1.1.10 and B.1.1.77; in the partial genomes, B.1.5 has also been detected. The B.1.1.77 is the main lineage and seems to have spread within the group.

# Community Behaviour Indicators

## Healthline

- On **04 November 2020** there were **2,241** contacts in Healthline. Of those calls, **837** were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was **675** contacts (**lower than forecasted**).
- The main themes on **04 November 2020** were:
  - Calls from Christchurch residents related to anxiety and concern from the public about rumours of a change in alert levels or lockdown for Christchurch, and requests for access to testing for people with symptoms.
  - Calls about rumours of a travel bubble arrangement to be announced with Australia, and people seeking information on this.**
  - Further calls related to test requirement changes for passengers flying back to China as issued by the Chinese embassy.

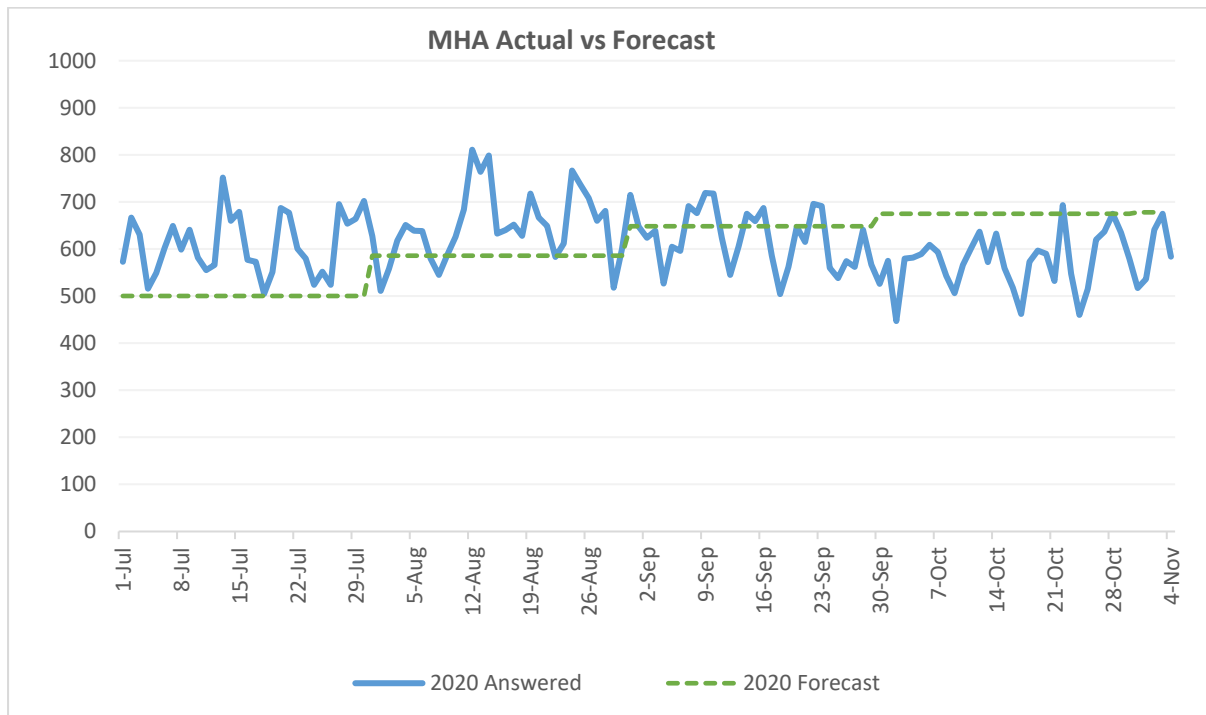
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

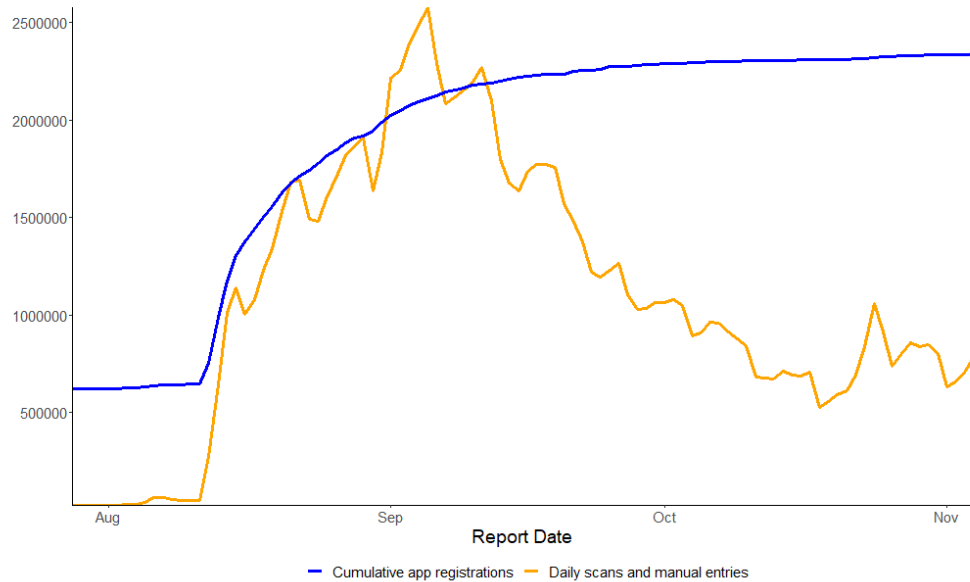
On **04 November 2020**, demand on 1737 and other mental health services was slightly elevated compared to the same day last year - in total circa **584** calls were answered, compared to **581 on the same day last year**.

**Figure 2: Healthline Mental Health Response**

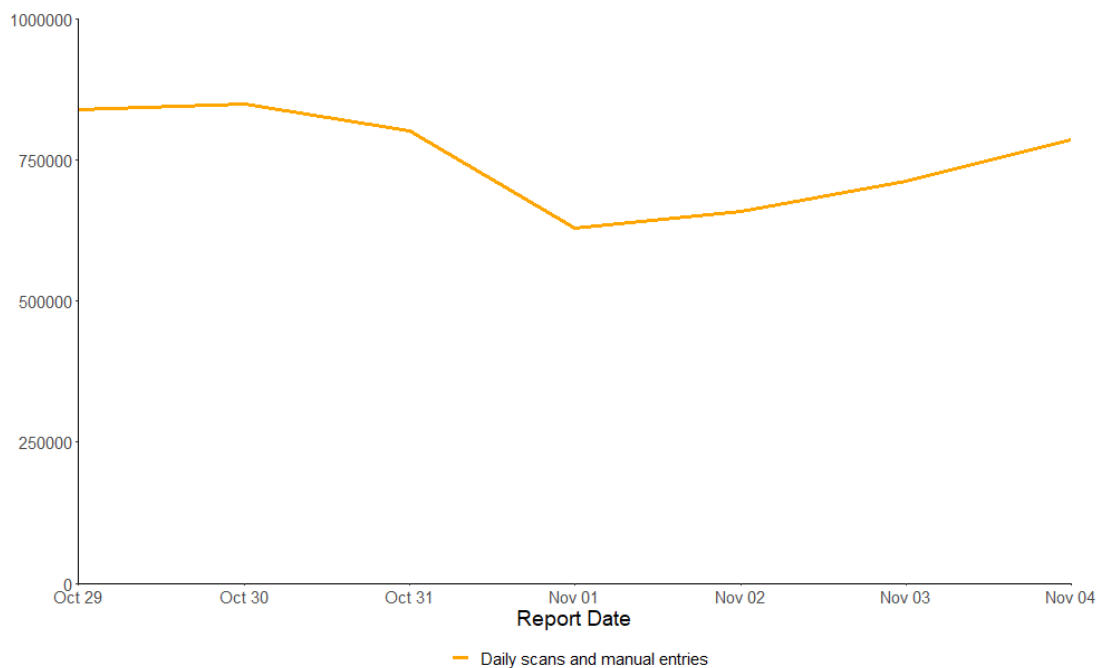


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 04 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 04 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 5: Border Testing and MIF/MIQ Guest Testing as at 1000 05 November 2020**

Grouping	Reason for test:	29 Oct	30 Oct	31 Oct	01 Nov	02 Nov	03 Nov	04 Nov	Weekly Total
Border workers	Air Crew	46	57	47	27	67	58	52	354
	Airport Staff	167	80	229	82	98	234	193	1083
	Maritime Crew	11	3	0	0	0	0	0	14
	MIF Staff	512	348	378	177	162	563	380	2520
	MIQ Staff	38	50	44	25	39	32	46	274
	Port Staff-Port of Tauranga Ltd	32	21	1	20	0	23	56	153
	Port Staff – Port of Auckland	106	21	47	6	0	84	34	298
	Port Staff-Remainder	77	69	24	7	0	66	41	284
Community	CTCs And Pop-Ups	3048	2338	1368	1060	643	3089	2128	13674
	GPs and Other Primary Health	2320	2010	1355	873	651	2164	2520	11893
Travellers	Staying At MIF	1101	947	888	739	680	776	912	6043
	Staying At MIQ	14	20	20	30	115	82	29	310
Total		7472	5964	4401	3046	2455	7171	6391	36900

*Day 3 and Day 12 testing***Table 6: MIQ/MIF guest testing as at 1000 05 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
22/10/2020	573	299	206	2	0
23/10/2020	1194	705	427	16	1
24/10/2020	644	251	341	0	0
25/10/2020	862	432	379	1	0
26/10/2020	402	177	196	1	0
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1083	357	645	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	804	313	444	2	6
2/11/2020	890	521	326	2	1
3/11/2020	739	418	254	0	0
4/11/2020	968	590	310	2	0

**Table 7: Reasons for not having a Day 3 and/or Day 12 test as at 1000 05 November 2020**

Reason for no test	September	October	November	Total
Child*	80	65	18	163
Clinical	5	6	3	14
Management Plan Change	2			2
No Consent	17	24	4	45
Other**	4	66	7	77
Total	108	161	32	301

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.



## DHB Testing by Ethnicity

Table 8: Number of people tested for COVID-19 from 22 October to 04 November.

DHB of domicile	Prioritised ethnicity MPAO					
	Māori	Pacific	Asian	Other	Unknown	Total
Auckland	370	631	1970	3343	1012	7326
Bay of Plenty	274	49	123	1006	29	1481
Canterbury	234	129	482	2670	176	3691
Capital and Coast	245	239	304	1688	71	2547
Counties Manukau	748	1641	1651	1826	176	6042
Hawke's Bay	131	65	40	441	21	698
Hutt Valley	126	70	147	501	18	862
Lakes	168	14	56	297	20	555
MidCentral	98	29	77	577	32	813
Nelson Marlborough	71	41	51	750	14	927
Northland	206	17	27	465	12	727
South Canterbury	13	6	10	173	7	209
Southern	126	42	167	1321	46	1702
Tairāwhiti	96	4	13	126	6	245
Taranaki	74	8	55	436	12	585
Waikato	405	66	319	1479	64	2333
Wairarapa	29	3	10	130	6	178
Waitematā	586	541	1831	4792	85	7835
West Coast	5	0	5	56	-	66
Whanganui	29	4	4	132	2	171
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4042</b>	<b>3609</b>	<b>7347</b>	<b>22247</b>	<b>1832</b>	<b>39077</b>

Table 9: Rate per 1000 people tested for COVID-19 from 22 October to 04 November.

DHB of domicile	Prioritised ethnicity MPAO				
	Māori	Pacific	Asian	Other	Total
Auckland	8.51	11.25	10.53	12.79	13.36
Bay of Plenty	4.58	11.02	6.28	6.39	6.14
Canterbury	4.46	9.1	7.93	5.98	6.44
Capital and Coast	6.71	10.78	6.06	7.93	7.92
Counties Manukau	8.4	13.66	10.92	8.73	10.61
Hawke's Bay	3.03	10.13	4.37	4.08	4.18
Hutt Valley	4.83	5.99	7.83	5.32	5.72
Lakes	4.37	5.48	5.76	4.95	5.01
MidCentral	2.69	5.23	4.97	4.66	4.49
Nelson Marlborough	4.43	16.59	6.87	5.96	6.11
Northland	3.39	4.52	3.26	4.27	4
South Canterbury	2.45	12.29	4.23	3.35	3.49
Southern	3.75	6.1	6.47	4.94	5.1
Tairāwhiti	3.87	3.58	11.14	5.7	4.98
Taranaki	3.17	5.74	8.83	4.85	4.84
Waikato	4.2	4.95	7.23	5.49	5.51
Wairarapa	3.64	3.61	8.02	3.64	3.89
Waitematā	9.36	12.13	12.73	12.53	12.37
West Coast	1.29	0	5.41	2.08	2.06
Whanganui	1.67	2.63	1.37	3.07	2.64
Total	5.2	11.3	9.6	7.2	7.9

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 0900

06 NOVEMBER 2020

### ***Statistics at a Glance***

Total Active Cases in New Zealand (Community and MIQ)

**45**

***In the Community  
(since 11 August –  
see Table 1)***

New Cases since 0900  
Yesterday

**0**

Total Recovered

**187**

Total Deceased

**3**

Active Community Cases

**2**

Total Cases Since 11 August

**192**

***Imported cases in  
Managed Isolation  
and Quarantine***

New Cases since 0900  
Yesterday

**2**

Total Recovered

**255**

Active MIF/MIQ Cases

**43**

Total Imported MIQ Cases

**298**

***Laboratory  
Testing***

Total Tests in Last 24 Hours

**6,856**

Total Tests over  
Last Seven Days

**36,284**

Total Laboratory Tests

**1,126,986**

## Community Case by Outbreak

**Table 1: Community Case by Outbreak as at 0900 06 November 2020**

Outbreak	New cases (since 1700 03/11/20)	Total cases	Active cases remaining
Maritime Company	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
Sudima Hotel (MIF)	0	2	2
<b>Total</b>	<b>0</b>	<b>192</b>	<b>2</b>

## New Zealand COVID-19 Summary

**Table 2: New Zealand COVID-19 Summary as at 0900 06 November 2020**

Case status	Active	Recovered	Deceased	Total
Confirmed	45 (-22)*	1554 (+24)	20	1619 (+2)
Probable	0	351	5	356
<b>Total</b>	<b>45 (-22)*</b>	<b>1905 (+24)</b>	<b>25</b>	<b>1975 (+2)</b>

\*2 new cases, 24 recovered.

## Cases in Hospital

One case is in hospital with COVID-19. This case arrived in New Zealand on 05 November.

**Table 3: Number of cases in hospital with COVID-19 by DHB as at 0900 06 November 2020**

DHB	Hospital	Total
Counties Manukau	Middlemore	1
<b>Total</b>	<b>-</b>	<b>1</b>

## Contents

Community Case by Outbreak .....	2
New Zealand COVID-19 Summary .....	2
Cases in Hospital .....	2
Cases in the Community .....	4
<i>Sudima Hotel MIF Staff Members</i> .....	4
<i>Maritime Company Outbreak</i> .....	4
Imported Cases in Managed Isolation .....	7
<i>International Mariners</i> .....	7
Community Behaviour Indicators .....	8
<i>Healthline</i> .....	8
<i>COVID-19 App Scans</i> .....	10
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing</i> .....	11
<i>Day 3 and Day 12 testing</i> .....	12
<i>DHB Testing by Ethnicity</i> .....	13

## Cases in the Community

- There have been no new community cases since 03 November 2020.
- The total number of active cases in the community is two.

### *Sudima Hotel MIF Staff Members*


- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A § 9(2)(a), and on 1 November, § 9(2)(a) § 9(2)(a) They were tested on the same day at the CBAC. Arrangements have been made for them and their household contact to undertake isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- All staff who worked at the Sudima Hotel since 23 October have been tested. **192 tests have returned negative results, with one outstanding.**

### *Maritime Company Outbreak*

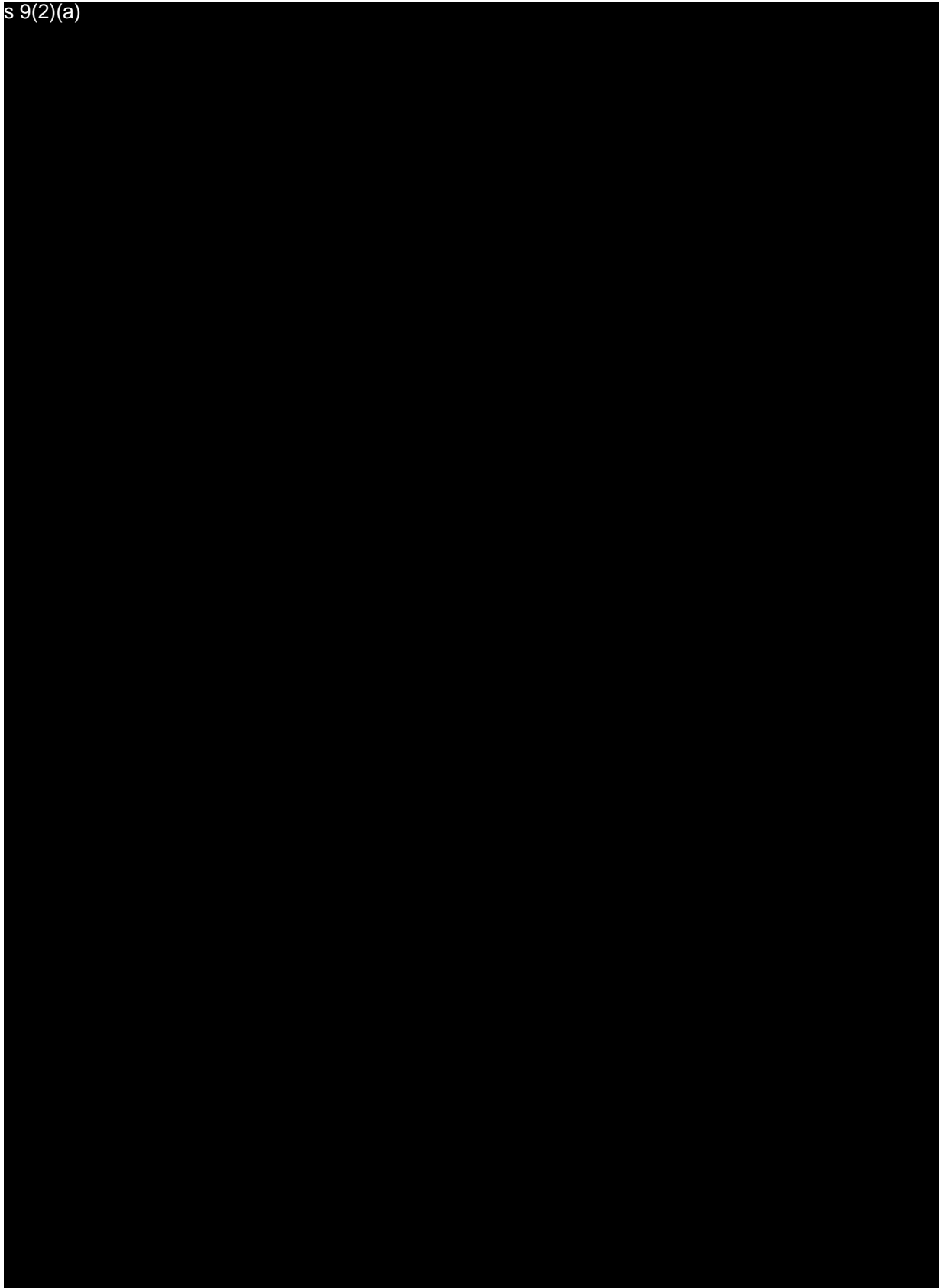
- By 26 October, four cases were identified in relation to this outbreak. Three cases are employees of the same company. The fourth case (Case D) is a household contact of Case C. Investigations continue to identify whether the *Sofrana Surville* is a common exposure event for Case A and B.
- Whole genomic sequencing for three of the Auckland cases shows they have identical genomes.
- All cases linked to the maritime company outbreak have recovered.
- Three of the 19 crew members on the *Sofrana Surville* had evidence of a current or previous infection when tested in Australia, all of whom were replacement crew members who joined in Auckland. A genome sequence obtained by Queensland Public Health is the same subtype with 1 mutation less than the NZ genomes. This is consistent with the replacement crew members being the source of introduction onto the ship, the infection source for the maritime company workers, and therefore, the source of the outbreak. We are awaiting genomic sequencing for the other two crew members.
- A request has also been made via the NFP for PCR testing and serology testing of the four 'off-signers' in Auckland who returned to Manila.

## *Community Case Contact Testing*

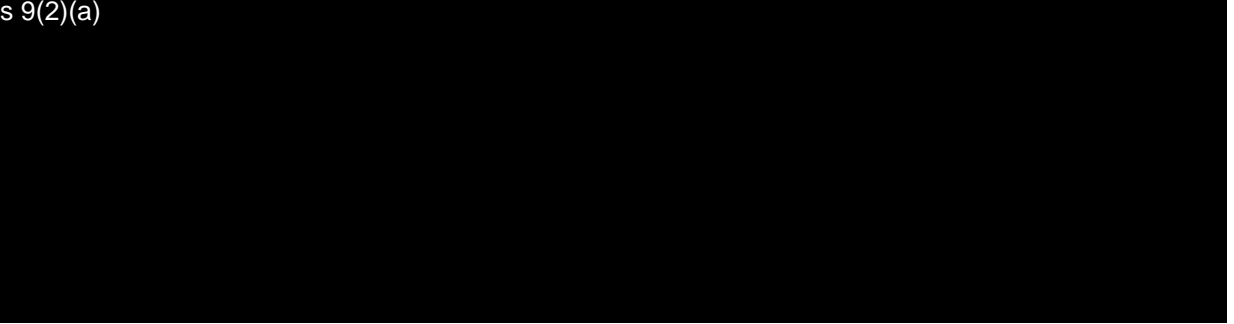
s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content.

s 9(2)(a)





## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 06 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
298	43

- Two new cases have been detected at the border.
  - Case 1 arrived from Singapore on 31 October and tested positive on day 5. They were in isolation at the s 9(2)(a) and have been moved to Jet Park.
  - Case 2 arrived from France via Hong Kong on 05 November. They had no symptoms when they boarded their transit flight in Hong Kong. As the flight progressed, they developed symptoms. Upon arrival, they were assessed and transferred to Middlemore Hospital for management, where they returned a positive test. Further investigation is underway to identify all passengers in the same section of the plane as this positive case. Heightened surveillance of these passengers will then be undertaken at their respective MIFs.

### International Mariners

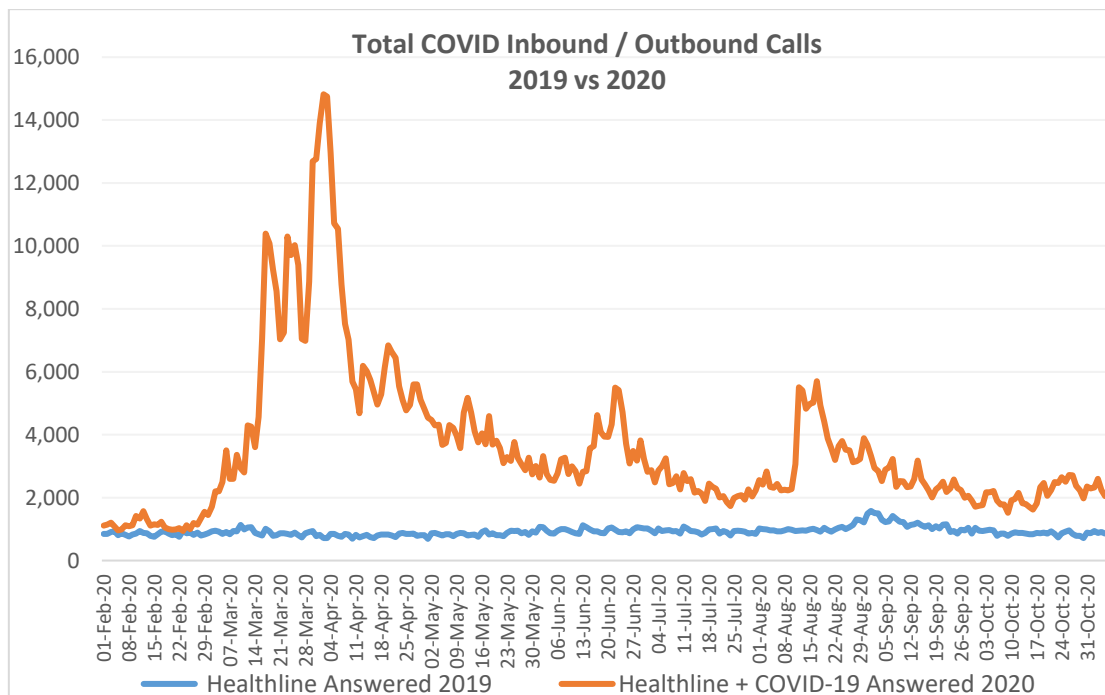
- On 16 October, a chartered flight arrived in New Zealand from Russia via Singapore with 235 mariners onboard.
- Day 6 tests on 22 October returned 8 positive and 206 negative results. 18 were not tested as they were already cases.
- 11 higher-risk contacts were tested on Day 9, with three further cases identified.
- Day 12 tests on 28 October identified 1 further positive case.
- Day 15 tests on 31 October identified 1 further positive case.
- All the mariners are staying at Sudima Hotel, Christchurch.
- Upon receipt of the final negative staff test, the first group of international mariners will depart from 1730 onwards. Once the final group of mariners has departed, a deep clean will be undertaken. It is expected all rooms will be available by Tuesday 10 November.
- Genome sequencing suggests several separate initial infections with the subsequent spread of one main lineage within the group. Whole genomic sequencing of 11 high quality genomes from the international mariners has resulted in the detection of three separate lineages: B.1.1.7, B.1.1.10 and B.1.1.77; in the partial genomes, B.1.5 has also been detected. The B.1.1.77 is the main lineage and seems to have spread within the group.

# Community Behaviour Indicators

## Healthline

- On 05 November 2020 there were 2,046 contacts in Healthline. Of those calls, 683 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 522 contacts (lower than forecasted).
- The main themes on 05 November 2020 were:
  - Large volume of calls from Christchurch residents.
  - People seeking information on rumours of a travel bubble arrangement to be announced with Australia.
  - Test requirement changes for passengers flying back to China as issued by the Chinese embassy.

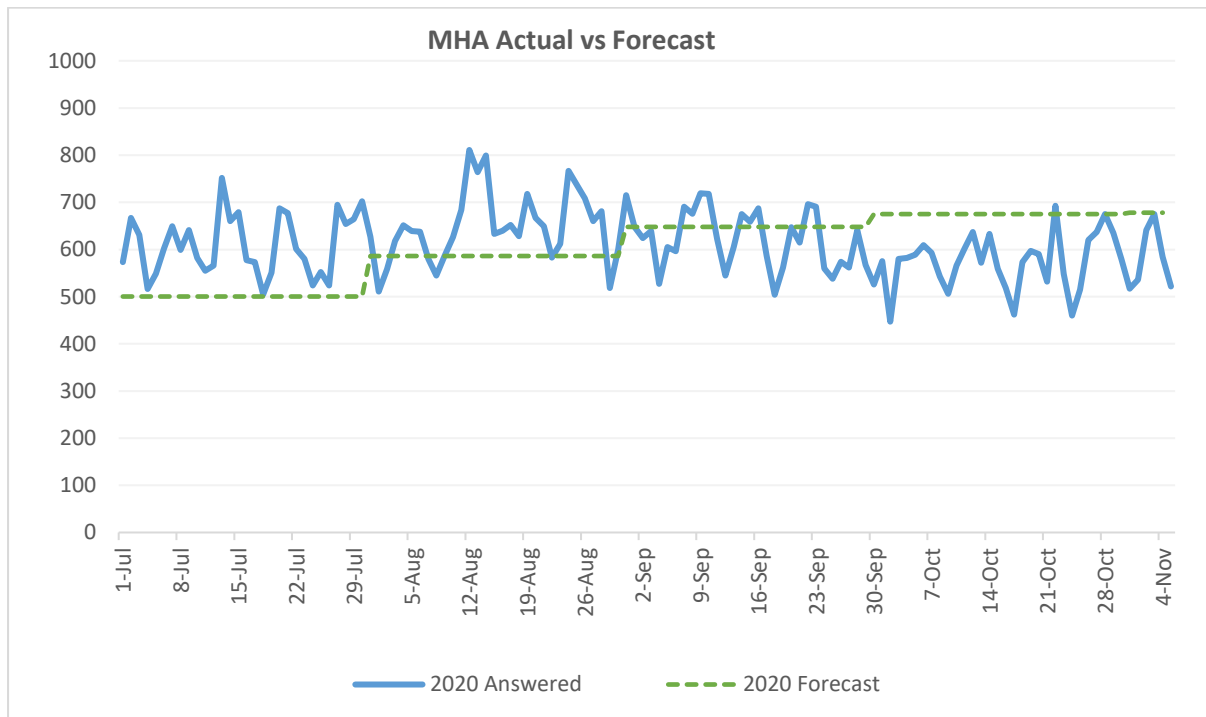
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

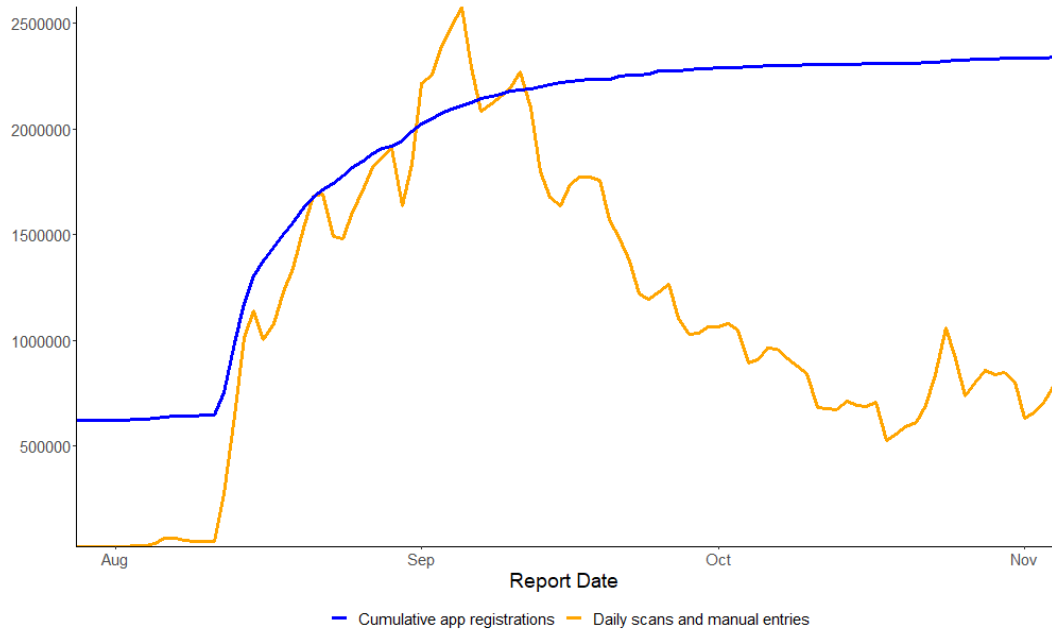
On 05 November 2020, demand on 1737 and other mental health services was lower compared to the same day last year - in total circa 522 calls were answered, compared to 603 on the same day last year.

**Figure 2: Healthline Mental Health Response**

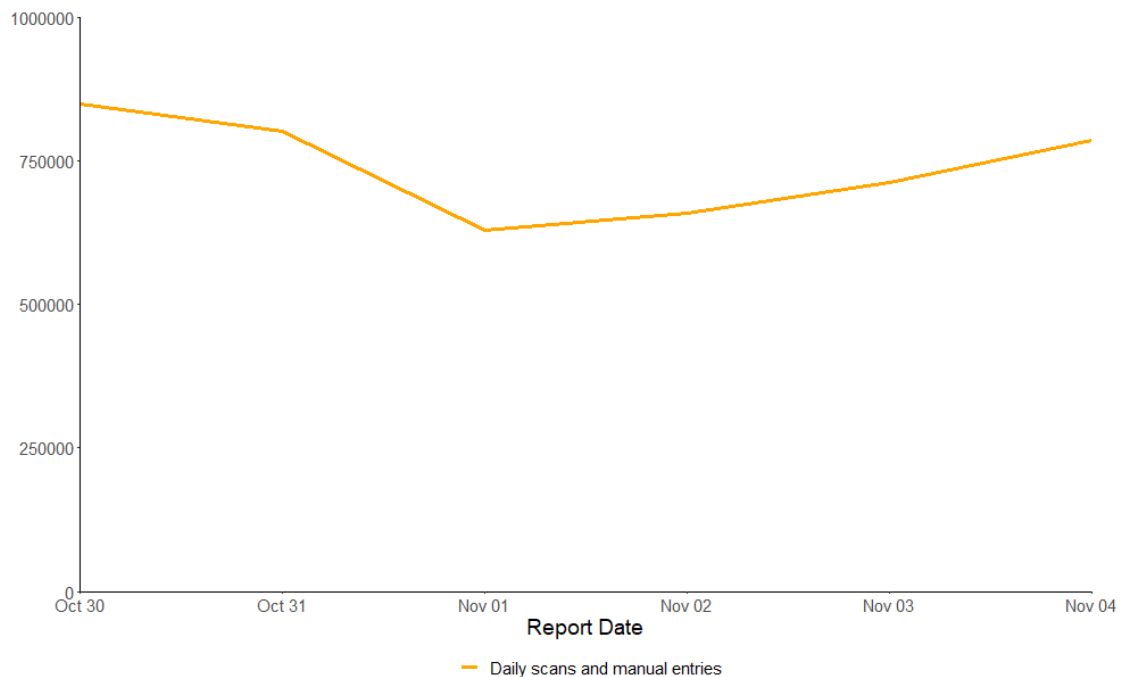


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 05 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 05 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 4: Border Testing and MIF/MIQ Guest Testing as at 1000 06 November 2020**

Grouping	Reason for test:	30 Oct	31 Oct	01 Nov	02 Nov	03 Nov	04 Nov	05 Nov	Weekly Total
Border workers	Air Crew	57	47	27	67	58	52	79	387
	Airport Staff	80	229	82	98	234	193	254	1170
	Maritime Crew	3	0	0	0	0	0	4	7
	MIF Staff	348	378	177	162	563	380	437	2445
	MIQ Staff	50	44	25	39	32	46	69	305
	Port Staff-Port of Tauranga Ltd	21	1	20	0	23	56	43	164
	Port Staff – Port of Auckland	21	47	6	0	84	34	35	227
	Port Staff-Remainder	69	24	7	0	66	41	82	289
Community	CTCs And Pop-Ups	2402	1383	1064	694	3154	2292	2416	13405
	GPs and Other Primary Health	1946	1340	869	600	2099	2356	2423	11633
Travellers	Staying At MIF	947	888	739	680	776	912	1001	5943
	Staying At MIQ	20	20	30	115	82	29	13	309
Total		5964	4401	3046	2455	7171	6391	6856	36284

*Day 3 and Day 12 testing***Table 5: MIQ/MIF guest testing as at 1000 06 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
23/10/2020	1194	705	427	16	1
24/10/2020	644	251	341	0	0
25/10/2020	862	432	379	1	0
26/10/2020	402	177	196	1	0
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1083	357	645	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	805	313	444	2	6
2/11/2020	890	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1111	406	633	1	0

**Table 6: Reasons for not having a Day 3 and/or Day 12 test as at 1000 06 November 2020**

Reason for no test	September	October	November	Total
Child*	80	65	8	153
Clinical	5	6	3	14
Management Plan Change	2			2
No Consent	17	4	24	45
Other**	4	67	7	78
Total	108	142	42	292

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 7: Number of people tested for COVID-19 from 23 October to 05 November.

DHB of domicile	Prioritised ethnicity MPAO					
	Māori	Pacific	Asian	Other	Unknown	Total
Auckland	377	622	1999	3398	1008	7404
Bay of Plenty	263	48	109	946	29	1395
Canterbury	257	137	500	2996	190	4080
Capital and Coast	239	239	300	1651	68	2497
Counties Manukau	765	1665	1642	1875	171	6118
Hawke's Bay	117	57	37	433	25	669
Hutt Valley	117	67	152	468	21	825
Lakes	163	14	52	320	19	568
MidCentral	99	29	66	546	31	771
Nelson Marlborough	77	40	40	771	16	944
Northland	202	17	25	457	14	715
South Canterbury	12	7	9	177	9	214
Southern	124	48	163	1312	41	1688
Tairāwhiti	88	4	11	127	5	235
Taranaki	63	7	29	423	14	536
Waikato	394	64	322	1456	66	2302
Wairarapa	32	1	8	139	5	185
Waitematā	574	544	1845	4780	84	7827
West Coast	5	0	5	54	-	64
Whanganui	23	4	4	130	3	164
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>3997</b>	<b>3627</b>	<b>7326</b>	<b>22497</b>	<b>1843</b>	<b>39290</b>

Table 8: Rate per 1000 people tested for COVID-19 from 23 October to 05 November.

DHB of domicile	Prioritised ethnicity MPAO				
	Māori	Pacific	Asian	Other	Total
Auckland	8.67	11.09	10.68	13	13.51
Bay of Plenty	4.4	10.8	5.56	6.01	5.78
Canterbury	4.9	9.66	8.23	6.71	7.11
Capital and Coast	6.54	10.78	5.98	7.76	7.76
Counties Manukau	8.59	13.86	10.86	8.96	10.74
Hawke's Bay	2.71	8.88	4.04	4.01	4.01
Hutt Valley	4.49	5.74	8.1	4.97	5.47
Lakes	4.24	5.48	5.35	5.34	5.13
MidCentral	2.72	5.23	4.26	4.41	4.26
Nelson Marlborough	4.8	16.19	5.39	6.13	6.22
Northland	3.32	4.52	3.02	4.19	3.93
South Canterbury	2.26	14.34	3.8	3.43	3.58
Southern	3.69	6.97	6.32	4.9	5.06
Tairāwhiti	3.55	3.58	9.42	5.74	4.78
Taranaki	2.7	5.03	4.66	4.71	4.43
Waikato	4.09	4.8	7.3	5.41	5.44
Wairarapa	4.01	1.2	6.42	3.9	4.05
Waitematā	9.17	12.2	12.83	12.5	12.36
West Coast	1.29	0	5.41	2	2
Whanganui	1.32	2.63	1.37	3.02	2.53
Total	5.1	11.3	9.6	7.3	7.9



# Daily COVID-19 Situation UPDATE

## Key Facts and Figures

As at 1300

07 NOVEMBER 2020

### Statistics at a Glance

Total Active Cases in New Zealand (Community and MIQ)

**44**

**In the Community**  
(since 11 August –  
see Table 1)

New Cases since 0900  
Yesterday

**0**

Total Recovered

**187**

Total Deceased

**3**

Active Community Cases

**2**

Total Cases Since 11 August

**192**

**Imported cases in  
Managed Isolation  
and Quarantine**

New Cases since 0900  
Yesterday

**1**

Total Recovered

**255**

Active MIF/MIQ Cases

**42**

Total Imported MIQ Cases

**297**

**Laboratory  
Testing**

Total Tests in Last 24 Hours

**6,856**

Total Tests over  
Last Seven Days

**36,284**

Total Laboratory Tests

**1,126,986**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at **1300 06 November 2020**

Outbreak	New cases (since 1700 03/11/20)	Total cases	Active cases remaining
Maritime Company	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
Sudima Hotel (MIF)	0	2	2
<b>Total</b>	<b>0</b>	<b>192</b>	<b>2</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at **1300 06 November 2020**

Case status	Active	Recovered	Deceased	Total
Confirmed	44 (-21)*	1554 (+24)	20	1618 (+1)
Probable	0	351	5	356
<b>Total</b>	<b>44 (-21)*</b>	<b>1905 (+24)</b>	<b>25</b>	<b>1974 (+1)</b>

\*1 new case, 24 recovered.

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in Hospital .....	Error! Bookmark not defined.
Cases in the Community.....	4
<i>Sudima Hotel MIF Staff Members</i> .....	4
<i>Maritime Company Outbreak</i> .....	4
Imported Cases in Managed Isolation .....	7
<i>International Mariners</i> .....	7
Community Behaviour Indicators.....	8
<i>Healthline</i> .....	8
<i>COVID-19 App Scans</i> .....	10
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing</i> .....	11
<i>Day 3 and Day 12 testing</i> .....	12
<i>DHB Testing by Ethnicity</i> .....	13

## Cases in the Community

- There have been no new community cases since 03 November 2020.
- The total number of active cases in the community is two.

### *Sudima Hotel MIF Staff Members*


- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A § 9(2)(a) and on 1 November, § 9(2)(a) [REDACTED] They were tested on the same day at the CBAC. Arrangements have been made for them and their household contact to undertake isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- All staff who worked at the Sudima Hotel since 23 October have been tested. **All tests have returned negative.**

### *Maritime Company Outbreak*

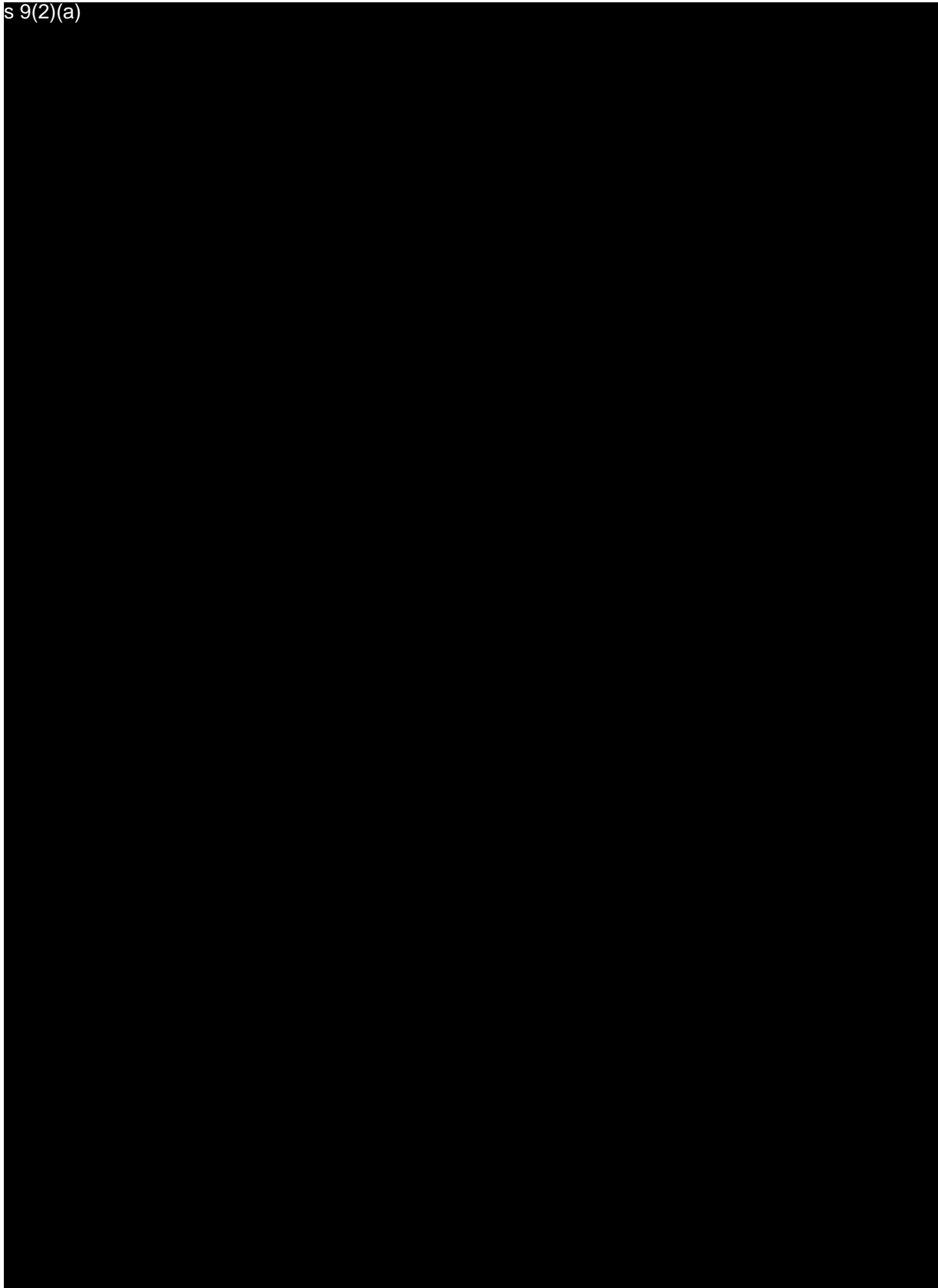
- By 26 October, four cases were identified in relation to this outbreak. Three cases are employees of the same company. The fourth case (Case D) is a household contact of Case C. Investigations continue to identify whether the *Sofrana Surville* is a common exposure event for Case A and B.
- Whole genomic sequencing for three of the Auckland cases shows they have identical genomes.
- All cases linked to the maritime company outbreak have recovered.
- Three of the 19 crew members on the *Sofrana Surville* had evidence of a current or previous infection when tested in Australia, all of whom were replacement crew members who joined in Auckland. A genome sequence obtained by Queensland Public Health is the same subtype with 1 mutation less than the NZ genomes. This is consistent with the replacement crew members being the source of introduction onto the ship, the infection source for the maritime company workers, and therefore, the source of the outbreak. We are awaiting genomic sequencing for the other two crew members.
- A request has also been made via the NFP for PCR testing and serology testing of the four 'off-signers' in Auckland who returned to Manila.

## *Community Case Contact Testing*

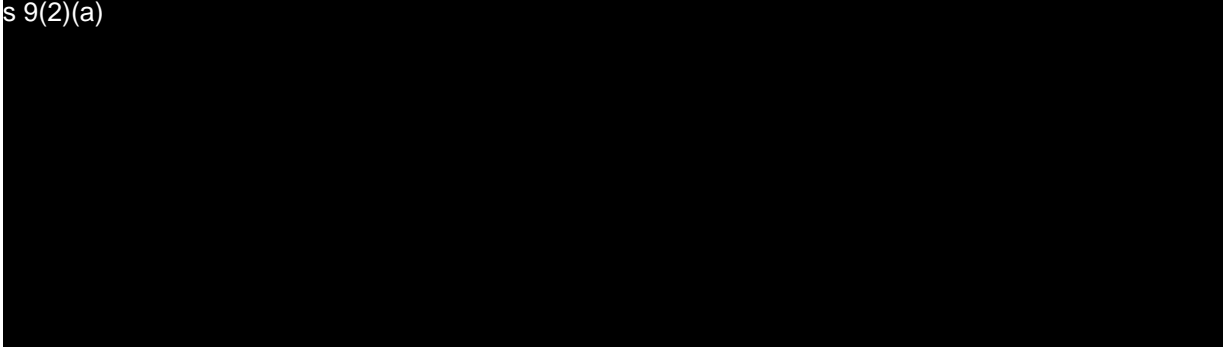
s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content.

s 9(2)(a)



## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 1300 06 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
297	42

- **One** new cases have been detected at the border.
  - Case 1 arrived from Singapore on 31 October and tested positive on day 5. They were in isolation at the s 9(2)(a) and have been moved to Jet Park.
- **Note: Case 2 from this morning's SITREP has been downgraded to 'under investigation.'** The individual returned a high CT value, which indicates the possibility of an historical infection: further investigation is underway. It has also been identified that they were hospitalised due to an unrelated medical condition, not COVID-19.

### International Mariners

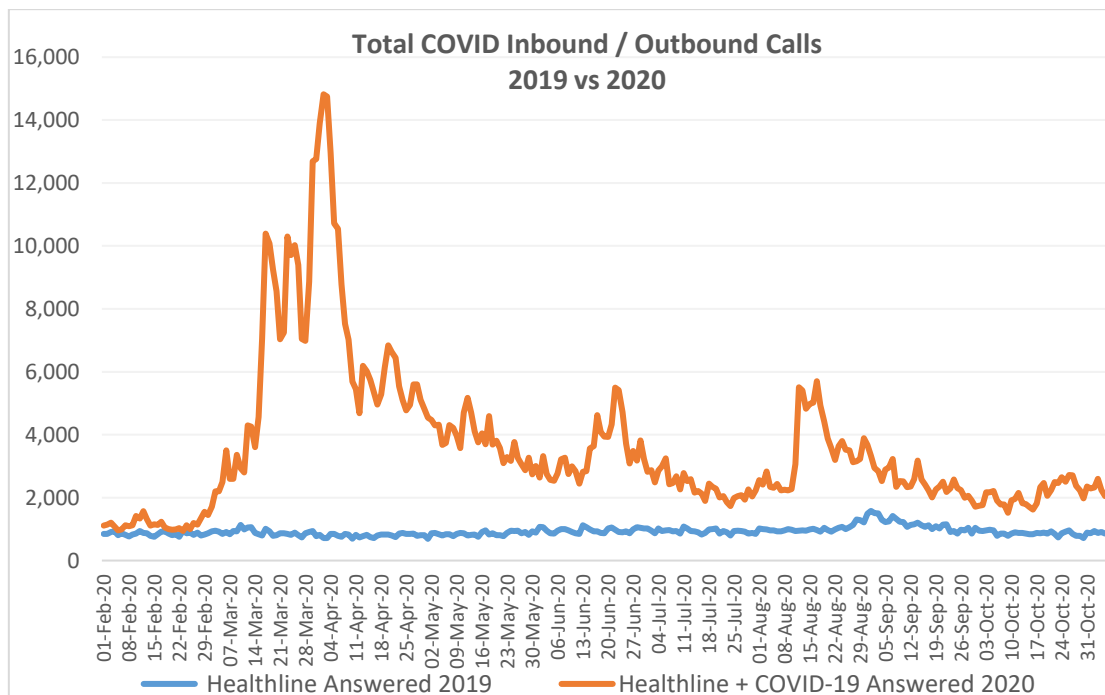
- On 16 October, a chartered flight arrived in New Zealand from Russia via Singapore with 235 mariners onboard.
- Day 6 tests on 22 October returned 8 positive and 206 negative results. 18 were not tested as they were already cases.
- 11 higher-risk contacts were tested on Day 9, with three further cases identified.
- Day 12 tests on 28 October identified 1 further positive case.
- Day 15 tests on 31 October identified 1 further positive case.
- All the mariners are staying at Sudima Hotel, Christchurch.
- **The international mariners will not be departing managed isolation today as previously stated, however, a departure date and time is being planned.**
- Genome sequencing suggests several separate initial infections with the subsequent spread of one main lineage within the group. Whole genomic sequencing of 11 high quality genomes from the international mariners has resulted in the detection of three separate lineages: B.1.1.7, B.1.1.10 and B.1.1.77; in the partial genomes, B.1.5 has also been detected. The B.1.1.77 is the main lineage and seems to have spread within the group.

# Community Behaviour Indicators

## Healthline

- On 05 November 2020 there were 2,046 contacts in Healthline. Of those calls, 683 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 522 contacts (lower than forecasted).
- The main themes on 05 November 2020 were:
  - Large volume of calls from Christchurch residents.
  - People seeking information on rumours of a travel bubble arrangement to be announced with Australia.
  - Test requirement changes for passengers flying back to China as issued by the Chinese embassy.

**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**

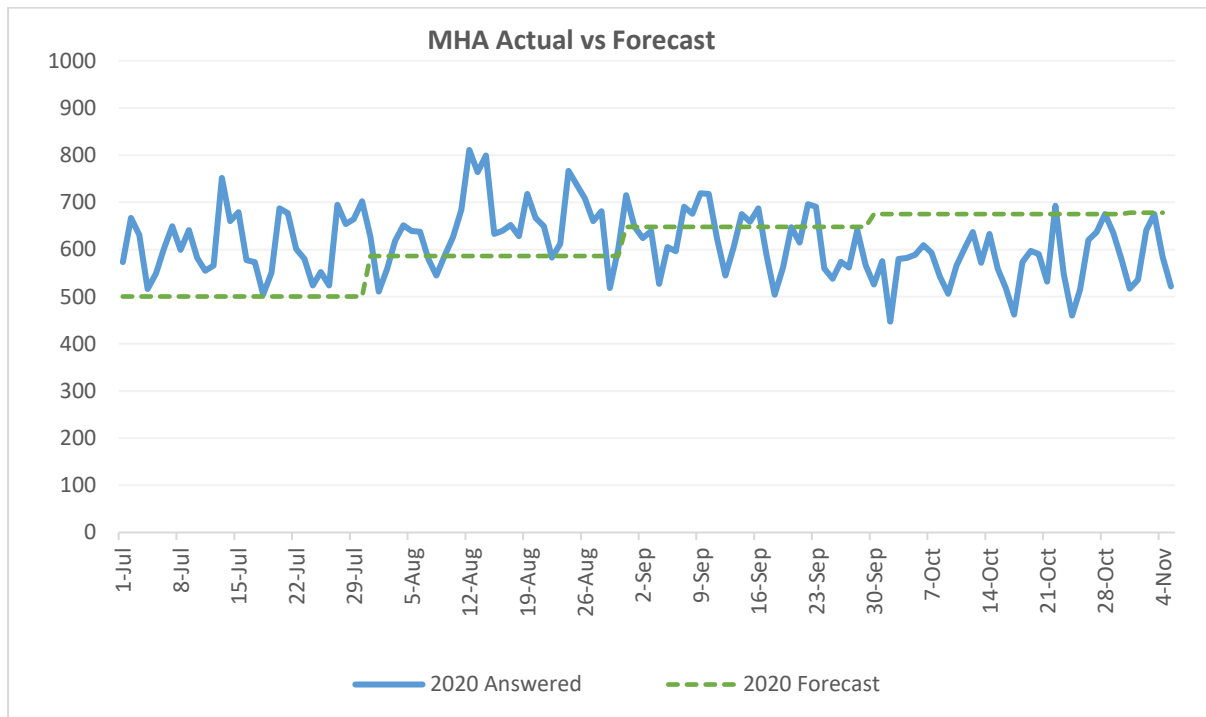




### Healthline Mental Health Response

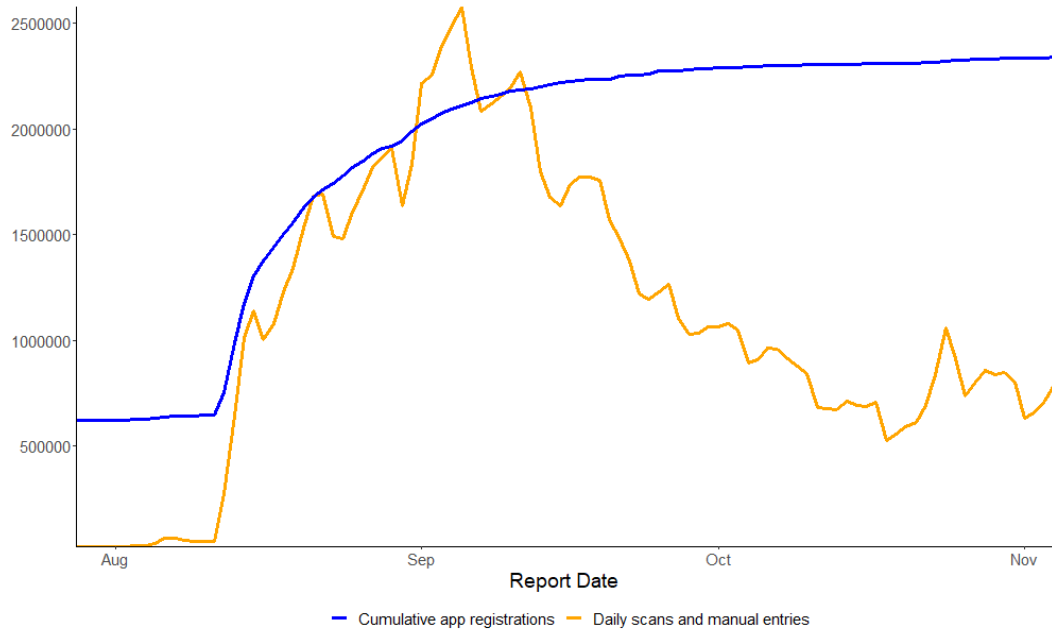
On 05 November 2020, demand on 1737 and other mental health services was lower compared to the same day last year - in total circa 522 calls were answered, compared to 603 on the same day last year.

**Figure 2: Healthline Mental Health Response**

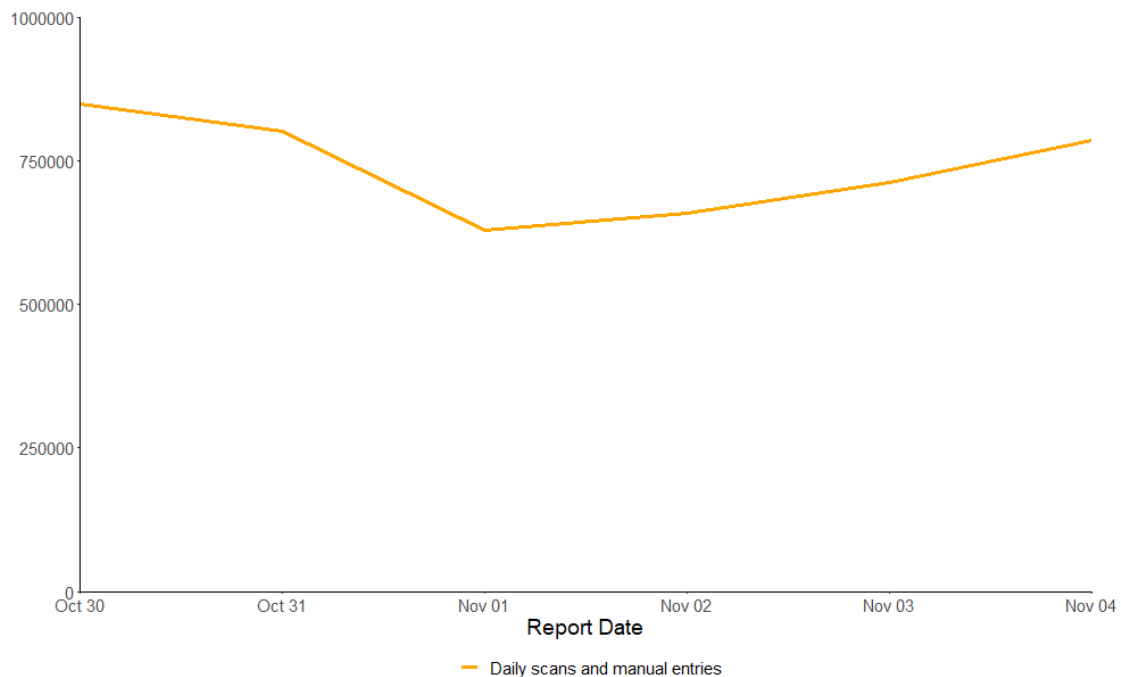


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 05 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 05 November 2020**



# Precautionary Testing

## *Border and Arrival Lab Testing*

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 06 November 2020**

Grouping	Reason for test:	30 Oct	31 Oct	01 Nov	02 Nov	03 Nov	04 Nov	05 Nov	Weekly Total
Border workers	Air Crew	57	47	27	67	58	52	79	387
	Airport Staff	80	229	82	98	234	193	254	1170
	Maritime Crew	3	0	0	0	0	0	4	7
	MIF Staff	348	378	177	162	563	380	437	2445
	MIQ Staff	50	44	25	39	32	46	69	305
	Port Staff-Port of Tauranga Ltd	21	1	20	0	23	56	43	164
	Port Staff – Port of Auckland	21	47	6	0	84	34	35	227
	Port Staff-Remainder	69	24	7	0	66	41	82	289
Community	CTCs And Pop-Ups	2402	1383	1064	694	3154	2292	2416	13405
	GPs and Other Primary Health	1946	1340	869	600	2099	2356	2423	11633
Travellers	Staying At MIF	947	888	739	680	776	912	1001	5943
	Staying At MIQ	20	20	30	115	82	29	13	309
Total		5964	4401	3046	2455	7171	6391	6856	36284

*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 06 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
23/10/2020	1194	705	427	16	1
24/10/2020	644	251	341	0	0
25/10/2020	862	432	379	1	0
26/10/2020	402	177	196	1	0
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1083	357	645	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	805	313	444	2	6
2/11/2020	890	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1111	406	633	1	0

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 06 November 2020**

Reason for no test	September	October	November	Total
Child*	80	65	8	<b>153</b>
Clinical	5	6	3	<b>14</b>
Management Plan Change	2			<b>2</b>
No Consent	17	4	24	<b>45</b>
Other**	4	67	7	<b>78</b>
Total	<b>108</b>	<b>142</b>	<b>42</b>	<b>292</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## *DHB Testing by Ethnicity*

Table 6: Number of people tested for COVID-19 from 23 October to 05 November.

	Prioritised ethnicity MPAO					
DHB of domicile	Māori	Pacific	Asian	Other	Unknown	Total
Auckland	377	622	1999	3398	1008	<b>7404</b>
Bay of Plenty	263	48	109	946	29	<b>1395</b>
Canterbury	257	137	500	2996	190	<b>4080</b>
Capital and Coast	239	239	300	1651	68	<b>2497</b>
Counties Manukau	765	1665	1642	1875	171	<b>6118</b>
Hawke's Bay	117	57	37	433	25	<b>669</b>
Hutt Valley	117	67	152	468	21	<b>825</b>
Lakes	163	14	52	320	19	<b>568</b>
MidCentral	99	29	66	546	31	<b>771</b>
Nelson Marlborough	77	40	40	771	16	<b>944</b>
Northland	202	17	25	457	14	<b>715</b>
South Canterbury	12	7	9	177	9	<b>214</b>
Southern	124	48	163	1312	41	<b>1688</b>
Tairāwhiti	88	4	11	127	5	<b>235</b>
Taranaki	63	7	29	423	14	<b>536</b>
Waikato	394	64	322	1456	66	<b>2302</b>
Wairarapa	32	1	8	139	5	<b>185</b>
Waitematā	574	544	1845	4780	84	<b>7827</b>
West Coast	5	0	5	54	-	<b>64</b>
Whanganui	23	4	4	130	3	<b>164</b>
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>3997</b>	<b>3627</b>	<b>7326</b>	<b>22497</b>	<b>1843</b>	<b>39290</b>

Table 7: Rate per 1000 people tested for COVID-19 from 23 October to 05 November.

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	8.67	11.09	10.68	13	<b>13.51</b>
Bay of Plenty	4.4	10.8	5.56	6.01	<b>5.78</b>
Canterbury	4.9	9.66	8.23	6.71	<b>7.11</b>
Capital and Coast	6.54	10.78	5.98	7.76	<b>7.76</b>
Counties Manukau	8.59	13.86	10.86	8.96	<b>10.74</b>
Hawke's Bay	2.71	8.88	4.04	4.01	<b>4.01</b>
Hutt Valley	4.49	5.74	8.1	4.97	<b>5.47</b>
Lakes	4.24	5.48	5.35	5.34	<b>5.13</b>
MidCentral	2.72	5.23	4.26	4.41	<b>4.26</b>
Nelson Marlborough	4.8	16.19	5.39	6.13	<b>6.22</b>
Northland	3.32	4.52	3.02	4.19	<b>3.93</b>
South Canterbury	2.26	14.34	3.8	3.43	<b>3.58</b>
Southern	3.69	6.97	6.32	4.9	<b>5.06</b>
Tairāwhiti	3.55	3.58	9.42	5.74	<b>4.78</b>
Taranaki	2.7	5.03	4.66	4.71	<b>4.43</b>
Waikato	4.09	4.8	7.3	5.41	<b>5.44</b>
Wairarapa	4.01	1.2	6.42	3.9	<b>4.05</b>
Waitematā	9.17	12.2	12.83	12.5	<b>12.36</b>
West Coast	1.29	0	5.41	2	<b>2</b>
Whanganui	1.32	2.63	1.37	3.02	<b>2.53</b>
Total	<b>5.1</b>	<b>11.3</b>	<b>9.6</b>	<b>7.3</b>	<b>7.9</b>

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 1100

07 NOVEMBER 2020

### ***Statistics at a Glance***

Total Active Cases in New Zealand (Community and MIQ)

**43**

***In the Community  
(since 11 August –  
see Table 1)***

New Cases since 0900  
Yesterday

**1**

Total Recovered

**187**

Total Deceased

**3**

Active Community Cases

**3**

Total Cases Since 11 August

**193**

***Imported cases in  
Managed Isolation  
and Quarantine***

New Cases since 0900  
Yesterday

**1**

Total Recovered

**258**

Active MIF/MIQ Cases

**40**

Total Imported MIQ Cases

**298**

***Laboratory  
Testing***

Total Tests in Last 24 Hours

**5,834**

Total Tests over  
Last Seven Days

**36,154**

Total Laboratory Tests

**1,132,820**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at **1030 07 November 2020**

Outbreak	New cases (since <b>1030 07/11/20</b> )	Total cases	Active cases remaining
Maritime Company	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
Sudima Hotel (MIF)	0	2	2
Jet Park (MIQ)	<b>1</b>	<b>1</b>	<b>1</b>
<b>Total</b>	<b>1</b>	<b>193</b>	<b>3</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at **1030 07 November 2020**

Case status	Active	Recovered	Deceased	Total
Confirmed	<b>43 (-2)*</b>	<b>1557 (+3)</b>	20	<b>1620 (+2)</b>
Probable	0	351	5	356
<b>Total</b>	<b>43 (-2)*</b>	<b>1908 (+3)</b>	25	<b>1976 (+2)</b>

\*2 new cases, 3 recovered.



## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>Jet Park MIQ Staff Case</i> .....	4
<i>Sudima Hotel MIF Staff Members</i> .....	4
<i>Maritime Company Outbreak</i> .....	4
Imported Cases in Managed Isolation .....	7
<i>International Mariners</i> .....	7
Community Behaviour Indicators.....	8
<i>Healthline</i> .....	8
<i>COVID-19 App Scans</i> .....	10
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing</i> .....	11
<i>Day 3 and Day 12 testing</i> .....	12
<i>DHB Testing by Ethnicity</i> .....	13

## Cases in the Community

- There has been **one** new community case since **03** November 2020.
- The total number of active cases in the community is **three**.

### *Jet Park MIQ Staff Case*

- On Thursday 5 November, a staff member who works at Jet Park MIQ returned a positive test. The staff member last returned a negative test during routine testing on 3 November. The test is being rerun in order to determine whether a weak positive was returned instead of the negative.
- Symptom onset occurred on 5 November and the case is now in isolation at Jet Park.
- s 9(2)(a) [REDACTED]  
[REDACTED]. All 25 close contacts have been contacted and are in isolation. Six have returned a negative test.
- A review of the cases movements and contacts is underway.

### *Sudima Hotel MIF Staff Members*


- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A s 9(2)(a) [REDACTED] and on 1 November, s 9(2)(a) [REDACTED]. They were tested on the same day at the CBAC. Arrangements have been made for them and their household contact to undertake isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- All staff who worked at the Sudima Hotel since 23 October have been tested. All tests have returned negative.

### *Maritime Company Outbreak*

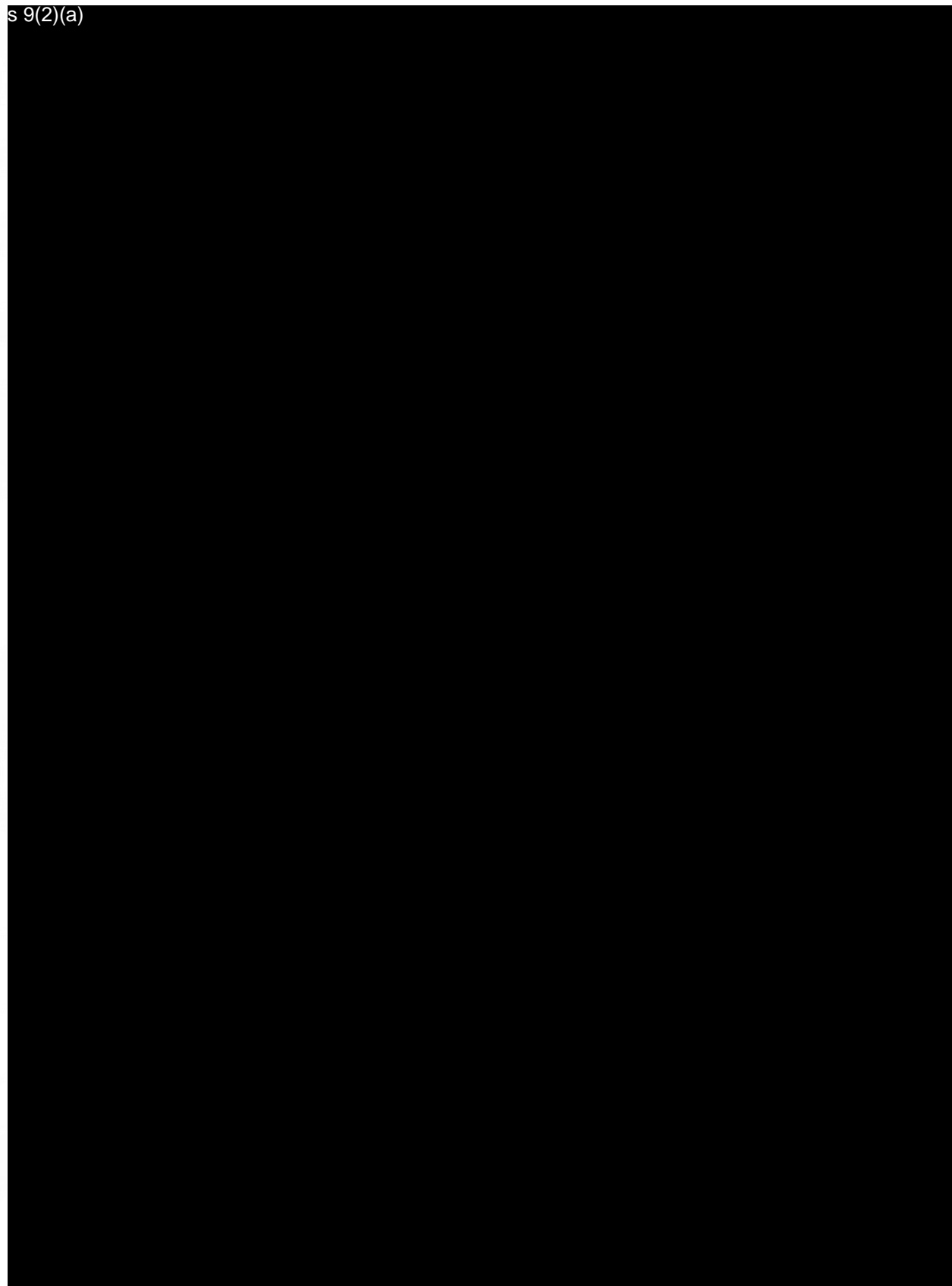
- There are no active cases associated with this event. Reporting will cease.

## *Community Case Contact Testing*

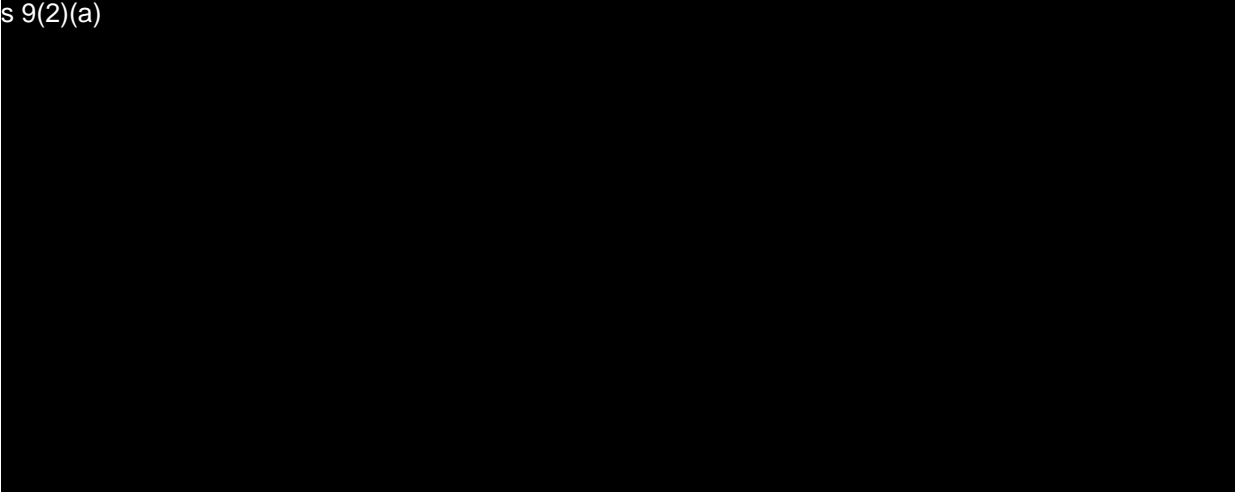
s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content.

s 9(2)(a)



## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 1030 07 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
298	40

- See the Historical Case section below for information on the latest imported case.
- Note: Case 2 from yesterday's SITREP has been downgraded to 'under investigation.' The individual returned a high CT value, which indicates the possibility of an historical infection: further investigation is underway. It has also been identified that they were hospitalised due to an unrelated medical condition, not COVID-19.

### International Mariners

- On 16 October, a chartered flight arrived in New Zealand from Russia via Singapore with 235 mariners onboard.
  - Day 6 tests on 22 October returned 8 positive and 206 negative results. 18 were not tested as they were already cases.
  - 11 higher-risk contacts were tested on Day 9, with three further cases identified.
  - Day 12 tests on 28 October identified 1 further positive case.
  - Day 15 tests on 31 October identified 1 further positive case.
  - All the mariners are staying at Sudima Hotel, Christchurch.
  - The international mariners have departed the Sudima and are onboard their ships.
- s 9(2)(a)
- Genome sequencing suggests several separate initial infections with the subsequent spread of one main lineage within the group. Whole genomic sequencing of 11 high quality genomes from the international mariners has resulted in the detection of three separate lineages: B.1.1.7, B.1.1.10 and B.1.1.77; in the partial genomes, B.1.5 has also been detected. The B.1.1.77 is the main lineage and seems to have spread within the group.

### Historical Case

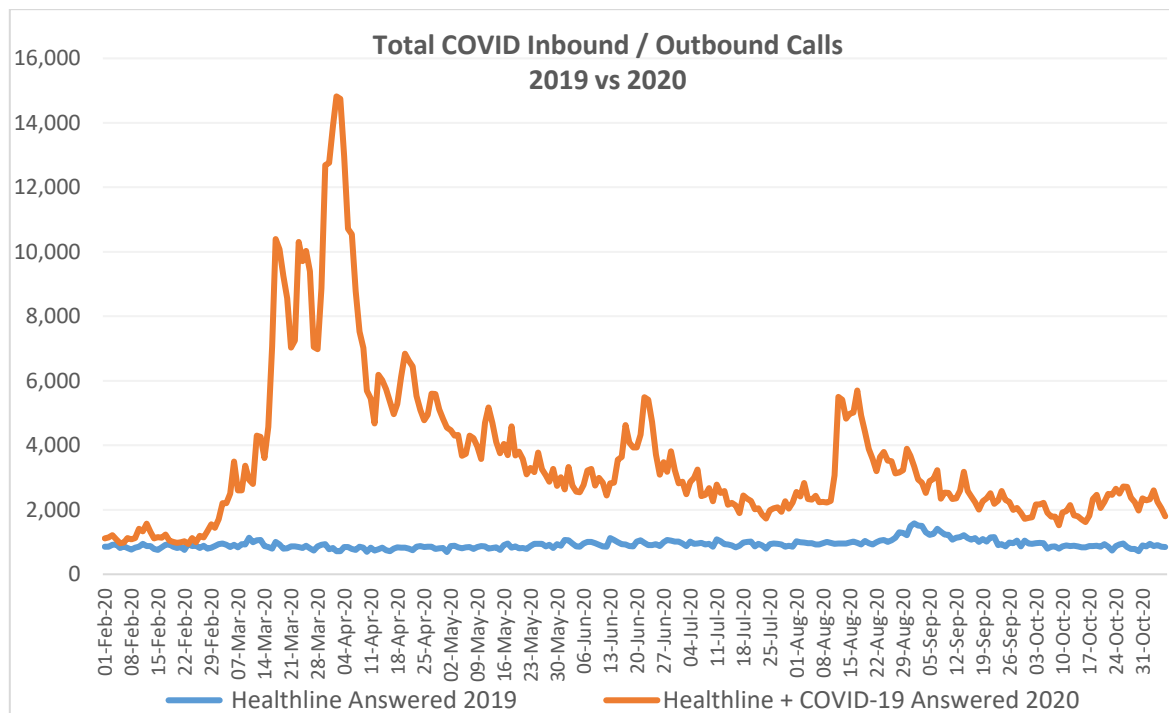
- In September, the case travelled from Portugal to London, where they were required to isolate upon arrival. While isolating they developed symptoms and were tested on the 18<sup>th</sup> of September and were confirmed positive on the 19<sup>th</sup>. After isolating, they travelled from London to Christchurch via Singapore and arrived on the 5<sup>th</sup> of October. Upon arrival at the s 9(2)(a) in Christchurch, they alerted MIQ staff to their previous positive test. They were tested and a positive result was returned the same day on the 5<sup>th</sup>. The test returned a CT value of 34.
- We have been awaiting confirmation from the UK that the case had been recorded. Nothing has been heard as of today, as a result the case has been classified as a historical case and will be reported in New Zealand's cases numbers.

# Community Behaviour Indicators

## Healthline

- On 06 November 2020 there were 1,799 contacts in Healthline. Of those calls, 542 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 544 contacts (lower than forecasted).
- The main themes on 06 November 2020 were:
  - Continued calls from Christchurch.
  - The Auckland announcement generated only several calls to Healthline from restaurant patrons – indicating a low level of public alarm.
  - Test requirement changes for passengers flying back to China as issued by the Chinese embassy.

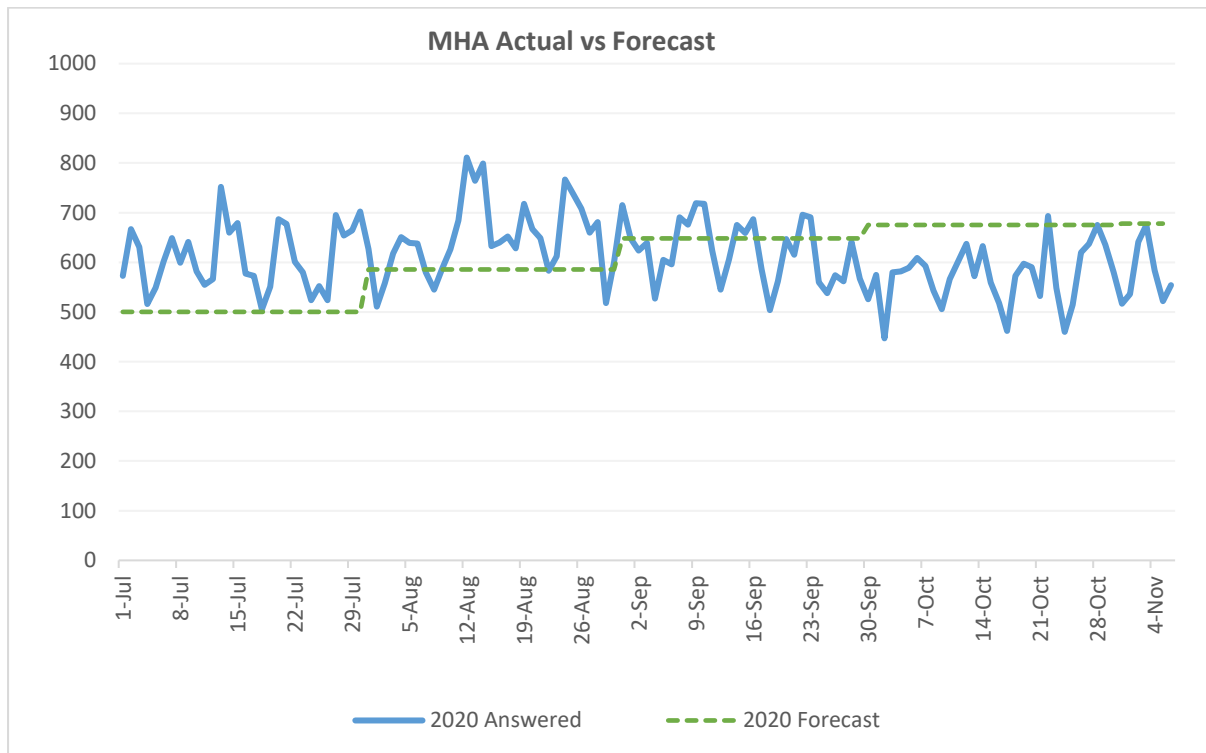
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

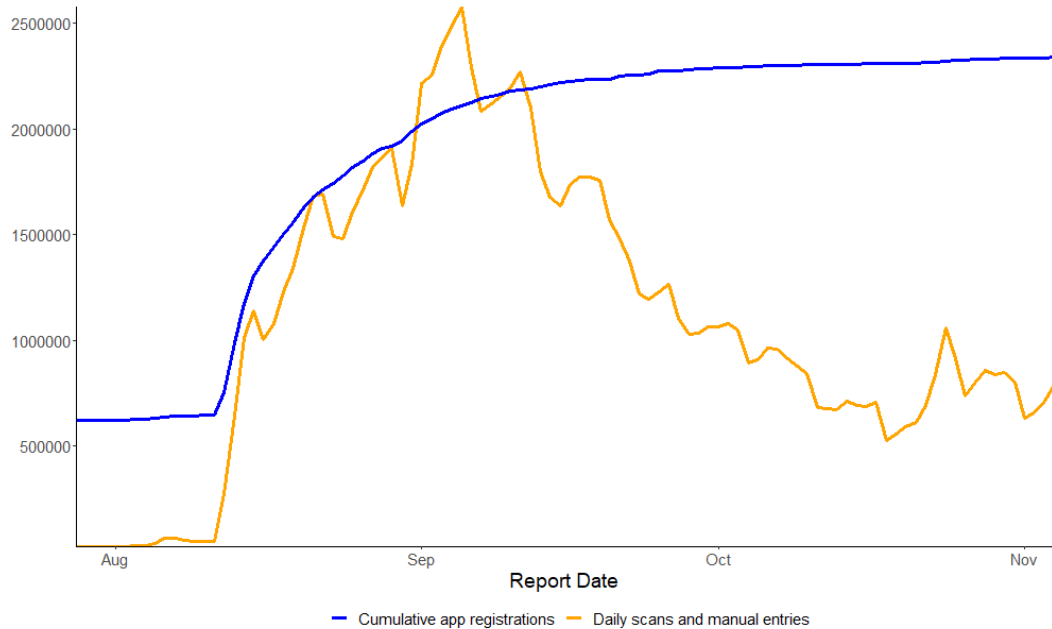
On 06 November 2020, demand on 1737 and other mental health services was higher compared to the same day last year - in total circa 554 calls were answered, compared to 548 on the same day last year.

**Figure 2: Healthline Mental Health Response**

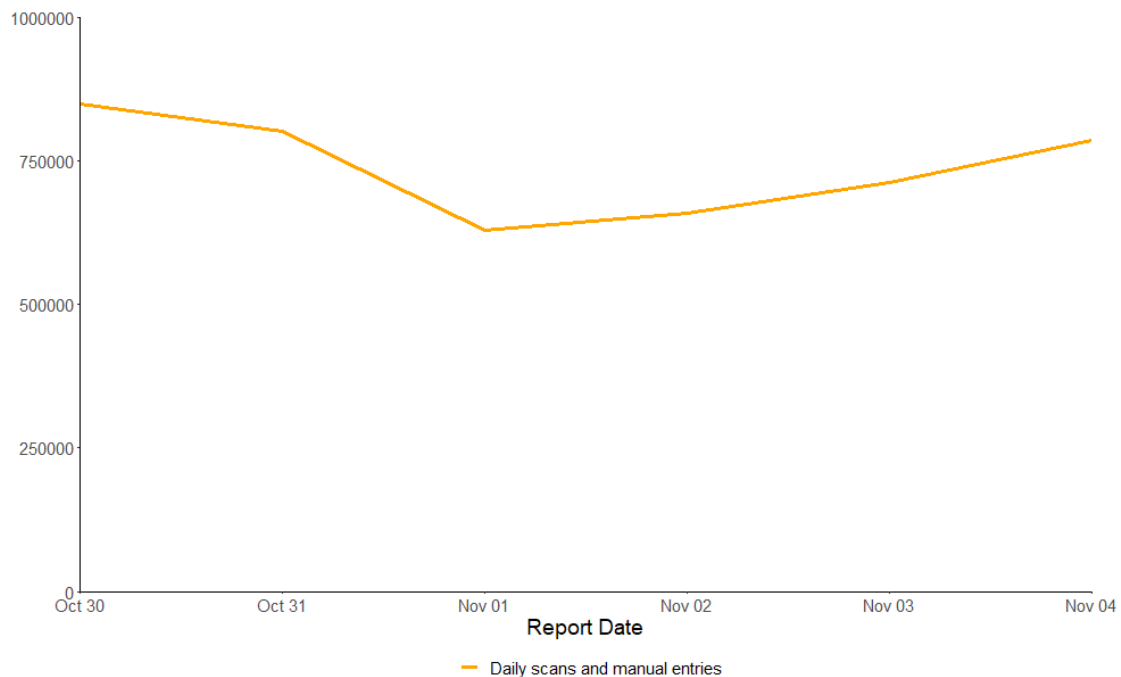


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 05 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 05 November 2020**





# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 07 November 2020**

Grouping	Reason for test:	31 Oct	01 Nov	02 Nov	03 Nov	04 Nov	05 Nov	06 Nov	Weekly Total
Border workers	Air Crew	47	27	67	58	52	79	70	400
	Airport Staff	229	82	98	234	193	254	135	1225
	Maritime Crew	0	0	0	0	0	4	4	8
	MIF Staff	378	177	162	563	380	437	447	2544
	MIQ Staff	44	25	39	32	46	69	64	319
	Port Staff-Port of Tauranga Ltd	1	20	0	23	56	43	44	187
	Port Staff – Port of Auckland	47	6	0	84	34	35	29	235
	Port Staff-Remainder	24	7	0	66	41	82	71	291
Community	CTCs And Pop-Ups	1383	1064	694	3155	2294	2447	1852	12889
	GPs and Other Primary Health	1340	869	600	2098	2354	2392	2295	11948
Travellers	Staying At MIF	888	739	680	776	912	1001	740	5736
	Staying At MIQ	20	30	115	82	29	13	83	372
Total		4401	3046	2455	7171	6391	6856	5834	36154

*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 07 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
24/10/2020	644	251	341	0	0
25/10/2020	862	432	379	1	0
26/10/2020	402	177	196	1	0
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1083	357	645	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	805	313	444	2	6
2/11/2020	890	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1111	406	633	1	0
6/11/2020	982	449	479	1	0

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 07 November 2020**

Reason for no test	September	October	November	Total
Child*	80	65	15	160
Clinical	5	6	3	14
Management Plan Change	2			2
No Consent	17	4	24	45
Other**	4	67	30	101
Total	108	142	72	322

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 24 October to 06 November.

DHB of domicile	Prioritised ethnicity MPAO					
	Māori	Pacific	Asian	Other	Unknown	Total
Auckland	353	608	1925	3240	1029	7155
Bay of Plenty	260	49	108	918	25	1360
Canterbury	263	134	519	3059	177	4152
Capital and Coast	248	248	312	1630	76	2514
Counties Manukau	746	1628	1623	1835	175	6007
Hawke's Bay	117	60	37	443	24	681
Hutt Valley	116	69	152	451	21	809
Lakes	169	15	51	315	18	568
MidCentral	103	27	71	537	32	770
Nelson Marlborough	85	38	44	760	17	944
Northland	203	18	30	467	17	735
South Canterbury	15	7	11	180	9	222
Southern	122	50	164	1322	38	1696
Tairāwhiti	86	5	10	129	4	234
Taranaki	60	7	30	404	13	514
Waikato	401	64	330	1430	66	2291
Wairarapa	30	1	8	145	3	187
Waitematā	537	532	1719	4239	90	7117
West Coast	7	0	7	53	-	67
Whanganui	20	3	4	123	7	157
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>3947</b>	<b>3576</b>	<b>7163</b>	<b>21719</b>	<b>1866</b>	<b>38271</b>

Table 7: Rate per 1000 people tested for COVID-19 from 24 October to 06 November.

DHB of domicile	Prioritised ethnicity MPAO				
	Māori	Pacific	Asian	Other	Total
Auckland	8.12	10.84	10.29	12.39	13.05
Bay of Plenty	4.35	11.02	5.51	5.83	5.64
Canterbury	5.02	9.45	8.54	6.86	7.24
Capital and Coast	6.79	11.18	6.22	7.66	7.82
Counties Manukau	8.38	13.56	10.74	8.77	10.55
Hawke's Bay	2.71	9.35	4.04	4.1	4.08
Hutt Valley	4.45	5.91	8.1	4.78	5.37
Lakes	4.39	5.87	5.24	5.25	5.13
MidCentral	2.83	4.87	4.58	4.34	4.25
Nelson Marlborough	5.3	15.38	5.93	6.04	6.22
Northland	3.34	4.79	3.63	4.28	4.04
South Canterbury	2.82	14.34	4.65	3.48	3.71
Southern	3.63	7.26	6.36	4.94	5.08
Tairāwhiti	3.47	4.47	8.57	5.84	4.76
Taranaki	2.57	5.03	4.82	4.49	4.25
Waikato	4.16	4.8	7.48	5.31	5.42
Wairarapa	3.76	1.2	6.42	4.06	4.09
Waitematā	8.58	11.93	11.96	11.09	11.24
West Coast	1.81	0	7.57	1.96	2.09
Whanganui	1.15	1.97	1.37	2.86	2.42
Total	5.1	11.2	9.3	7	7.7

# Daily COVID-19 Situation UPDATE

## Key Facts and Figures

As at 1100

08 NOVEMBER 2020

### Statistics at a Glance

Total Active Cases in New Zealand (Community and MIQ)

**48**

**In the Community**  
(since 11 August –  
see Table 1)

New Cases since 0900  
Yesterday

**1**

Total Recovered

**187**

Total Deceased

**3**

Active Community Cases

**4**

Total Cases Since 11 August

**194**

**Imported cases in  
Managed Isolation  
and Quarantine**

New Cases since 0900  
Yesterday

**5**

Total Recovered

**259**

Active MIF/MIQ Cases

**44**

Total Imported MIQ Cases

**303**

**Laboratory  
Testing**

Total Tests in Last 24 Hours

**4,116**

Total Tests over  
Last Seven Days

**35,869**

Total Laboratory Tests

**1,136,936**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at 0900 08 November 2020

Outbreak	New cases (since 1100 07/11)	Total cases	Active cases remaining
Maritime Company	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
Sudima Hotel (MIF)	0	2	2
Jet Park (MIQ)	1	2	2
<b>Total</b>	<b>1</b>	<b>194</b>	<b>4</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at 0900 08 November 2020

Case status	Active	Recovered	Deceased	Total
Confirmed	48 (+5)*	1558 (+1)	20	1626 (+6)
Probable	0	351	5	356
<b>Total</b>	<b>48 (+5)*</b>	<b>1909 (+1)</b>	<b>25</b>	<b>1982 (+6)</b>

\*6 new cases, 1 recovery

## Contents

Community Case by Outbreak .....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community .....	4
<i>November Quarantine Cluster</i> .....	4
<i>Sudima Hotel MIF Staff Members</i> .....	4
<i>Maritime Company Outbreak</i> .....	4
Imported Cases in Managed Isolation .....	6
<i>International Mariners</i> .....	6
Community Behaviour Indicators .....	7
<i>Healthline</i> .....	7
<i>COVID-19 App Scans</i> .....	9
Precautionary Testing .....	10
<i>Border and Arrival Lab Testing</i> .....	10
<i>Day 3 and Day 12 testing</i> .....	11
<i>DHB Testing by Ethnicity</i> .....	12

## Cases in the Community

- There has been **one** new community case since **07** November 2020.
- The total number of active cases in the community is **four**.

### November Quarantine Cluster

- As there are now two cases, this is being referred to as the November Quarantine Cluster, where previous reporting called this the Jet Park MIQ Staff Case.
- On 05 November, a staff member who works at the Jet Park MIQ (Case A) returned a positive result. The staff member last returned a negative test during routine testing at 1930 on Tuesday 03 November. This test was rerun and has since returned as an extremely weak positive. Consequently, the period for contact tracing has been pushed back to include all of 03 November.
- Symptom onset occurred on 05 November and Case A is now in isolation at Jet Park.
- s 9(2)(a) All 25 close contacts have been contacted and are in isolation. Six have returned a negative test.
- A review of the cases movements and contacts is underway.
- Genomic sequencing for Case A has now been completed, which shows a direct link to two returnees (a family group) at Jet Park.
- A close contact of Case A has tested positive (Case B). Case B travelled from Auckland to Wellington on 05 November.
- Contact tracing is underway for Case B.
- Case B is now in managed quarantine at the Grand Mercure Hotel in Wellington.

### Sudima Hotel MIF Staff Members

- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- By 31 October, MIF Staff Case A s 9(2)(a) and on 1 November, s 9(2)(a) They were tested on the same day at the CBAC. They are undertaking isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- All staff who worked at the Sudima Hotel since 23 October have been tested. All tests have returned negative.


### Maritime Company Outbreak

- There are no active cases associated with this event.

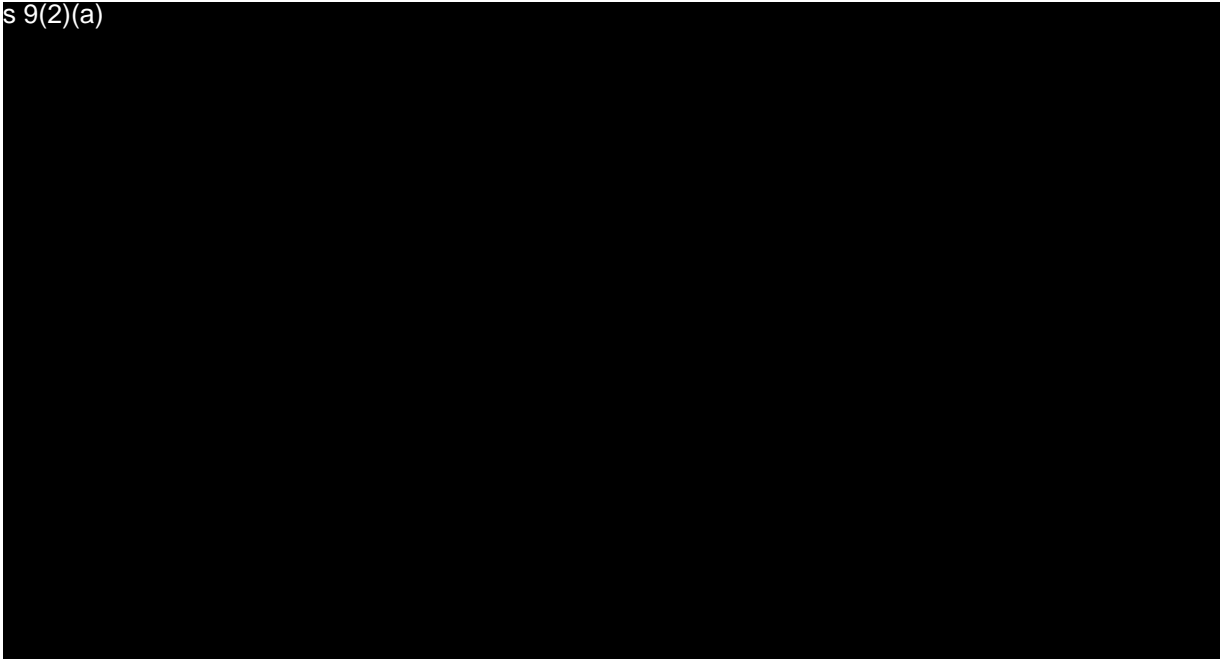


## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.

## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 08 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
303	44

- Five new cases have been detected at the border.
  - Case 1 arrived from Germany via the United Arab Emirates on 05 November. The case was tested on arrival due to showing symptoms and went into managed isolation at Jet Park, Auckland.
  - Case 2 arrived from the United Arab Emirates on 03 November and went into managed isolation at the s 9(2)(a), Auckland. They tested positive during day 3 routine testing.
  - Case 3 arrived from the United Arab Emirates on 03 November and went into managed isolation at the s 9(2)(a), Auckland. They tested positive during day 3 routine testing.
  - Case 4 arrived from Australia on 03 November and went into managed isolation at the s 9(2)(a), Auckland. They tested positive during day 3 routine testing and were transferred to Jet Park, Auckland.
  - Case 5 arrived from the United Arab Emirates on 03 November and went into managed isolation at the s 9(2)(a), Auckland. They tested positive during day 3 routine testing and were transferred to Jet Park, Auckland.

### International Mariners

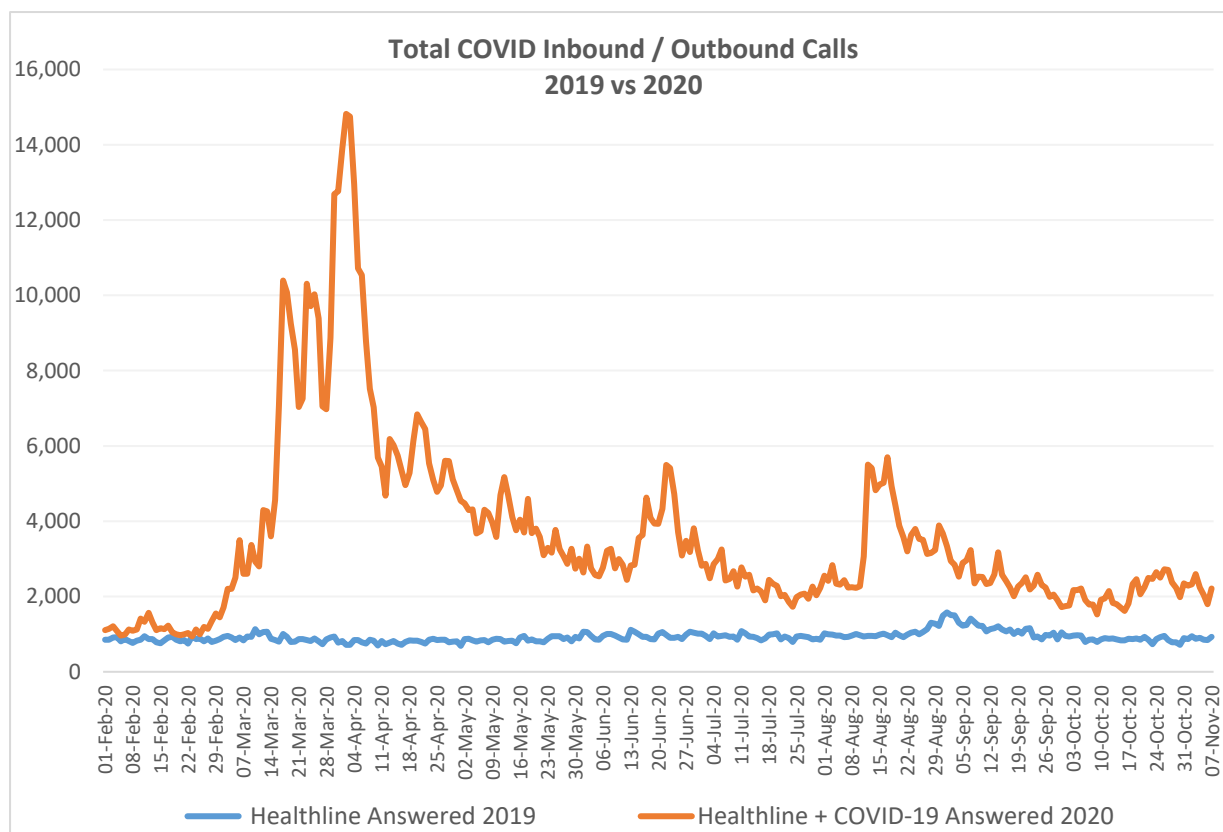
- On 16 October, a chartered flight arrived in New Zealand from Russia via Singapore with 235 mariners onboard.
- Day 6 tests on 22 October returned 8 positive and 206 negative results. 18 were not tested as they were already cases.
- 11 higher-risk contacts were tested on Day 9, with three further cases identified.
- Day 12 tests on 28 October identified 1 further positive case.
- Day 15 tests on 31 October identified 1 further positive case.
- On 07 November, the mariners departed the Sudima Hotel, Christchurch, and are onboard their ships. s 9(2)(a)
- Genome sequencing suggests several separate initial infections with the subsequent spread of one main lineage within the group. Whole genomic sequencing of 11 high quality genomes from the international mariners has resulted in the detection of three separate lineages: B.1.1.7, B.1.1.10 and B.1.1.77; in the partial genomes, B.1.5 has also been detected. The B.1.1.77 is the main lineage and seems to have spread within the group.

# Community Behaviour Indicators

## Healthline

- On 07 November 2020 there were 2,213 contacts in Healthline. Of those calls, 514 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 514 contacts (lower than forecasted).
- The main themes on 07 November 2020 were:
  - The Auckland announcement generated only several calls to Healthline from restaurant patrons, indicating a low level of public alarm.
  - Test requirement changes for passengers flying back to China as issued by the Chinese embassy.

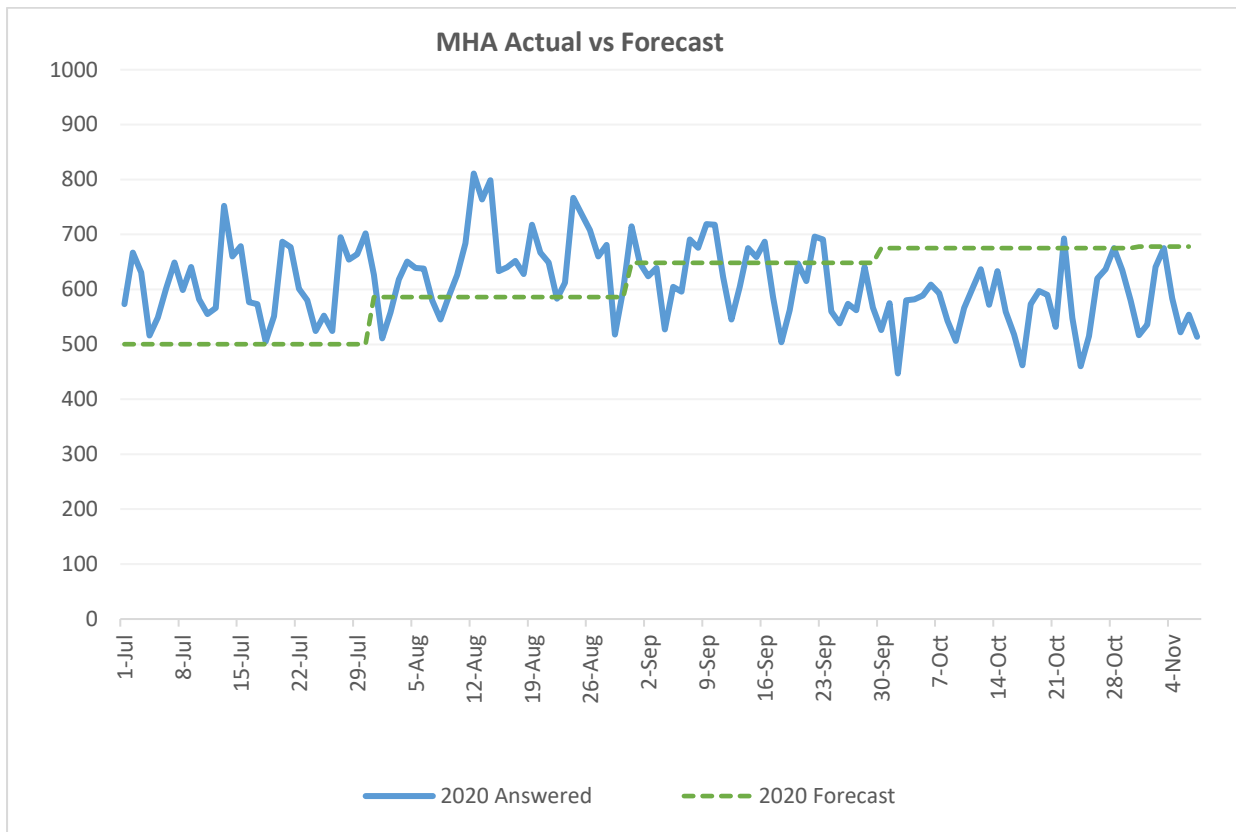
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

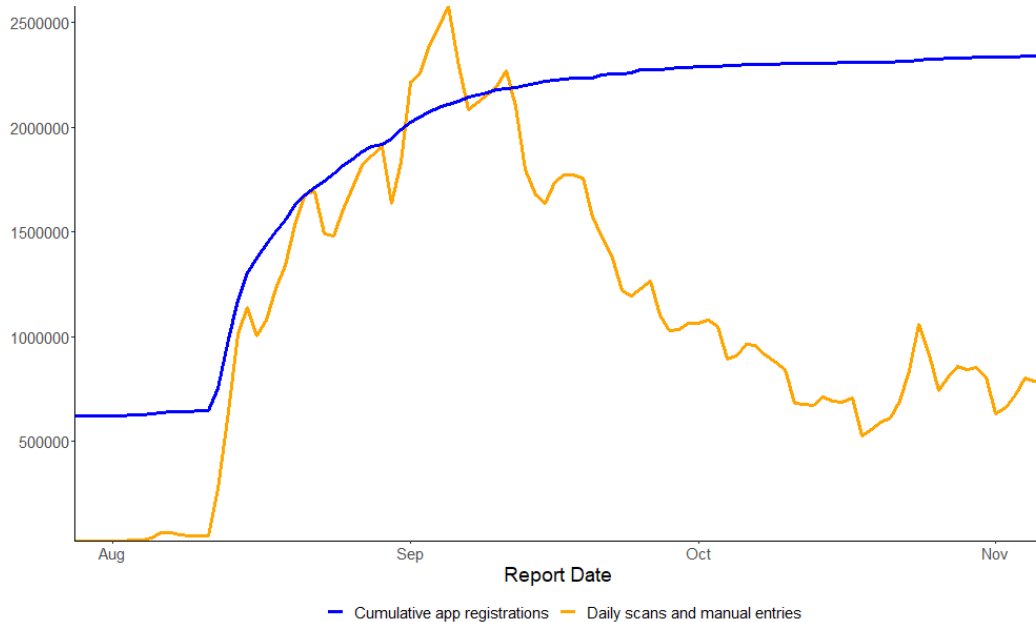
On 07 November 2020, demand on 1737 and other mental health services was higher compared to the same day last year - in total circa 514 calls were answered, compared to 462 on the same day last year.

**Figure 2: Healthline Mental Health Response**

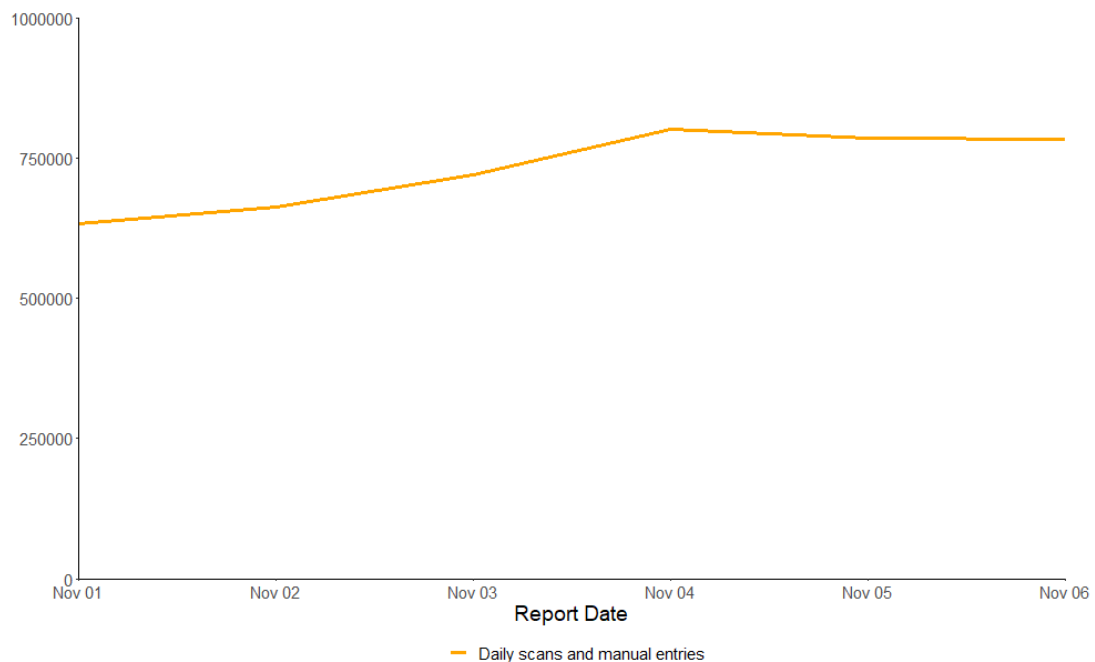


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 07 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 07 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 08 November 2020**

Grouping	Reason for test:	01 Nov	02 Nov	03 Nov	04 Nov	05 Nov	06 Nov	07 Nov	Weekly Total
Border workers	Air Crew	27	67	58	52	79	70	45	398
	Airport Staff	82	98	234	193	254	135	162	1158
	Maritime Crew	0	0	0	0	4	4	1	9
	MIF Staff	177	162	563	380	437	447	218	2384
	MIQ Staff	25	39	32	46	69	64	144	419
	Port Staff-Port of Tauranga Ltd	20	0	23	56	43	44	76	262
	Port Staff – Port of Auckland	6	0	84	34	35	29	106	294
	Port Staff-Remainder	7	0	66	41	82	71	23	290
Community	CTCs And Pop-Ups	1064	695	3157	2296	2450	1996	1245	12903
	GPs and Other Primary Health	869	599	2096	2352	2389	2151	1506	11962
Travellers	Staying At MIF	739	680	776	912	1001	740	569	5417
	Staying At MIQ	30	115	82	29	13	83	21	373
Total		3046	2455	7171	6391	6856	5834	4116	35869

*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 08 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
25/10/2020	862	432	379	1	0
26/10/2020	402	177	196	1	0
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1083	357	645	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	805	313	444	2	6
2/11/2020	890	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1112	407	633	1	0
6/11/2020	991	452	479	1	0
7/11/2020	630	333	238	5	0

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 08 November 2020**

Reason for no test	September	October	November	Total
Child*	80	65	15	<b>160</b>
Clinical	5	6	3	<b>14</b>
Management Plan Change	2			<b>2</b>
No Consent	17	4	24	<b>45</b>
Other**	4	67	30	<b>101</b>
Total	<b>108</b>	<b>142</b>	<b>72</b>	<b>322</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 25 October to 07 November.

DHB of domicile	Prioritised ethnicity MPAO					
	Māori	Pacific	Asian	Other	Unknown	Total
Auckland	341	610	1887	3120	975	6933
Bay of Plenty	251	46	101	886	24	1308
Canterbury	262	140	526	3109	174	4211
Capital and Coast	242	248	303	1603	76	2472
Counties Manukau	727	1549	1618	1757	170	5821
Hawke's Bay	120	61	37	446	22	686
Hutt Valley	108	66	151	456	21	802
Lakes	175	12	53	313	18	571
MidCentral	104	27	71	547	32	781
Nelson Marlborough	85	40	46	725	18	914
Northland	188	17	32	423	17	677
South Canterbury	16	5	11	181	10	223
Southern	120	48	164	1318	35	1685
Tairāwhiti	91	5	10	130	4	240
Taranaki	64	7	32	416	14	533
Waikato	414	65	318	1367	63	2227
Wairarapa	30	1	8	144	3	186
Waitematā	510	514	1680	3992	92	6788
West Coast	9	0	6	53	-	68
Whanganui	21	3	5	132	7	168
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>3885</b>	<b>3476</b>	<b>7066</b>	<b>21156</b>	<b>1800</b>	<b>37383</b>



Table 7: Rate per 1000 people tested for COVID-19 from 25 October to 07 November.

DHB of domicile	Prioritised ethnicity MPAO				
	Māori	Pacific	Asian	Other	Total
Auckland	7.84	10.88	10.08	11.93	12.65
Bay of Plenty	4.2	10.35	5.15	5.63	5.42
Canterbury	5	9.87	8.66	6.97	7.34
Capital and Coast	6.63	11.18	6.04	7.53	7.69
Counties Manukau	8.17	12.9	10.71	8.4	10.22
Hawke's Bay	2.77	9.5	4.04	4.13	4.11
Hutt Valley	4.14	5.65	8.05	4.84	5.32
Lakes	4.55	4.7	5.45	5.22	5.16
MidCentral	2.86	4.87	4.58	4.42	4.31
Nelson Marlborough	5.3	16.19	6.2	5.76	6.02
Northland	3.09	4.52	3.87	3.88	3.72
South Canterbury	3.01	10.24	4.65	3.5	3.73
Southern	3.58	6.97	6.36	4.93	5.05
Tairāwhiti	3.67	4.47	8.57	5.88	4.88
Taranaki	2.74	5.03	5.14	4.63	4.41
Waikato	4.29	4.88	7.21	5.08	5.26
Wairarapa	3.76	1.2	6.42	4.04	4.07
Waitematā	8.15	11.53	11.68	10.44	10.72
West Coast	2.32	0	6.49	1.96	2.12
Whanganui	1.21	1.97	1.71	3.07	2.59
Total	5	10.9	9.2	6.8	7.5

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 1030

09 NOVEMBER 2020

### ***Statistics at a Glance***

Total Active Cases in New Zealand (Community and MIQ)

**51**

***In the Community  
(since 11 August –  
see Table 1)***

New Cases since 0900  
Yesterday

**0**

Total Recovered

**187**

Total Deceased

**3**

Active Community Cases

**4**

Total Cases Since 11 August

**194**

***Imported cases in  
Managed Isolation  
and Quarantine***

New Cases since 0900  
Yesterday

**4**

Total Recovered

**260**

Active MIF/MIQ Cases

**47**

Total Imported MIQ Cases

**307**

***Laboratory  
Testing***

Total Tests in Last 24 Hours

**3,042**

Total Tests over  
Last Seven Days

**35,865**

Total Laboratory Tests

**1,139,978**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at 0900 09 November 2020

Outbreak	New cases (since 1100 08/11)	Total cases	Active cases remaining
Maritime Company	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
Sudima Hotel (MIF)	0	2	2
Jet Park (MIQ)	0	2	2
<b>Total</b>	<b>0</b>	<b>194</b>	<b>4</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at 0900 09 November 2020

Case status	Active	Recovered	Deceased	Total
Confirmed	51 (+3)*	1559 (+1)	20	1630 (+4)
Probable	0	351	5	356
<b>Total</b>	<b>51 (+3)*</b>	<b>1910 (+1)</b>	<b>25</b>	<b>1986 (+4)</b>

\*4 new cases, 1 recovery

## Contents

Community Case by Outbreak .....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community .....	4
<i>November Quarantine Cluster</i> .....	4
<i>Sudima Hotel MIF Staff Members</i> .....	4
<i>Maritime Company Outbreak</i> .....	4
Imported Cases in Managed Isolation .....	6
<i>International Mariners</i> .....	6
Community Behaviour Indicators .....	8
<i>Healthline</i> .....	8
<i>COVID-19 App Scans</i> .....	10
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing</i> .....	11
<i>Day 3 and Day 12 testing</i> .....	12
<i>DHB Testing by Ethnicity</i> .....	13

## Cases in the Community

- There have been no new community cases since 08 November 2020.
- The total number of active cases in the community is four.

### November Quarantine Cluster

- On 05 November, a staff member who works at the Jet Park MIQ (Case A) returned a positive result. The staff member last returned a negative test during routine testing at 1930 on Tuesday 03 November. This test was rerun and returned an extremely weak positive. Consequently, the period for contact tracing has been pushed back to include all of 03 November.
- Symptom onset occurred on 05 November and Case A is now in isolation at Jet Park. s 9(2)(a) All 25 close contacts have been contacted and are in isolation. 23 have returned a negative result, and one has returned a positive result (Case B). One test is pending.
- Genomic sequencing for Case A has now been completed, which shows a direct link to two returnees (a family group) at Jet Park.
- 239 of 242 occupants at Case A's accommodation, the Waldorf Apartment Complex, have returned negative results. Three are pending.
- A close contact of Case A has tested positive (Case B). Case B travelled from Auckland to Wellington on 05 November.
- Contact tracing is underway for Case B, with several exposure events identified in Auckland and Wellington. Relevant push notifications have gone out via the COVID-19 tracer app.
- Case B is now in managed quarantine at the Grand Mercure Hotel in Wellington.
- Case B's employer (NZDF) has closed Defence House to do a deep clean.

### Sudima Hotel MIF Staff Members


- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- By 31 October, MIF Staff Case A s 9(2)(a) and on 1 November s 9(2)(a) They were tested on the same day at the CBAC. They are undertaking isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel. Genotyping for Case A has been completed, Case B genotyping relates to the mariners, but differs to that of Case A.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- All staff who worked at the Sudima Hotel since 23 October have been tested. All tests have returned negative.

### Maritime Company Outbreak


- There are no active cases associated with this event.

## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.

## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 09 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
307	47

- Four new cases have been detected at the border.
  - Case 1. Arrived in New Zealand on 27 October from Austria via Qatar and Australia. Case went to managed isolation at s 9(2)(a) [REDACTED] Auckland. They returned a positive test at routine day 12 testing and were moved to Jet Park.
  - Case 2 and 3 travelled together. They arrived in New Zealand on 05 November from Dubai. Cases went to managed isolation at s 9(2)(a) [REDACTED], Auckland. They returned a positive test at routine day 3 testing and were moved to Jet Park.
  - Case 4. They arrived in New Zealand on 05 November from Qatar. Cases went to managed isolation at s 9(2)(a) [REDACTED] Auckland. They returned a positive test at routine day 3 testing and were moved to Jet Park.
- Update on five cases from managed isolation included in 08 November SitRep:
  - Case one arrived from Germany via the United Arab Emirates on 5 November and was taken directly to the quarantine facility after appearing symptomatic.
  - Case two arrived from Italy via Hawaii on 03 November and tested positive at around day 3 routine testing.
  - Case three and four arrived from the United Arab Emirates on 03 November and who tested positive at around day 3 routine testing. These two cases did not travel together.
  - Case five arrived from Romania via Doha and Australia on 03 November and tested positive at around day 3 routine testing.

### International Mariners

- On 16 October, a chartered flight arrived in New Zealand from Russia via Singapore with 235 mariners onboard.
- Day 6 tests on 22 October returned 8 positive and 206 negative results. 18 were not tested as they were already cases.
- 11 higher-risk contacts were tested on Day 9, with three further cases identified.
- Day 12 tests on 28 October identified 1 further positive case.
- Day 15 tests on 31 October identified 1 further positive case.
- On 07 November, the mariners departed the Sudima Hotel, Christchurch, and are onboard their ships.

- Four remaining mariners are due to depart on Tuesday 10 and Wednesday 11 November. Deep cleaning of the facility is underway.
- Genome sequencing suggests several separate initial infections with the subsequent spread of one main lineage within the group. Whole genomic sequencing of 11 high quality genomes from the international mariners has resulted in the detection of three separate lineages: B.1.1.7, B.1.1.10 and B.1.1.77; in the partial genomes, B.1.5 has also been detected. The B.1.1.77 is the main lineage and seems to have spread within the group.

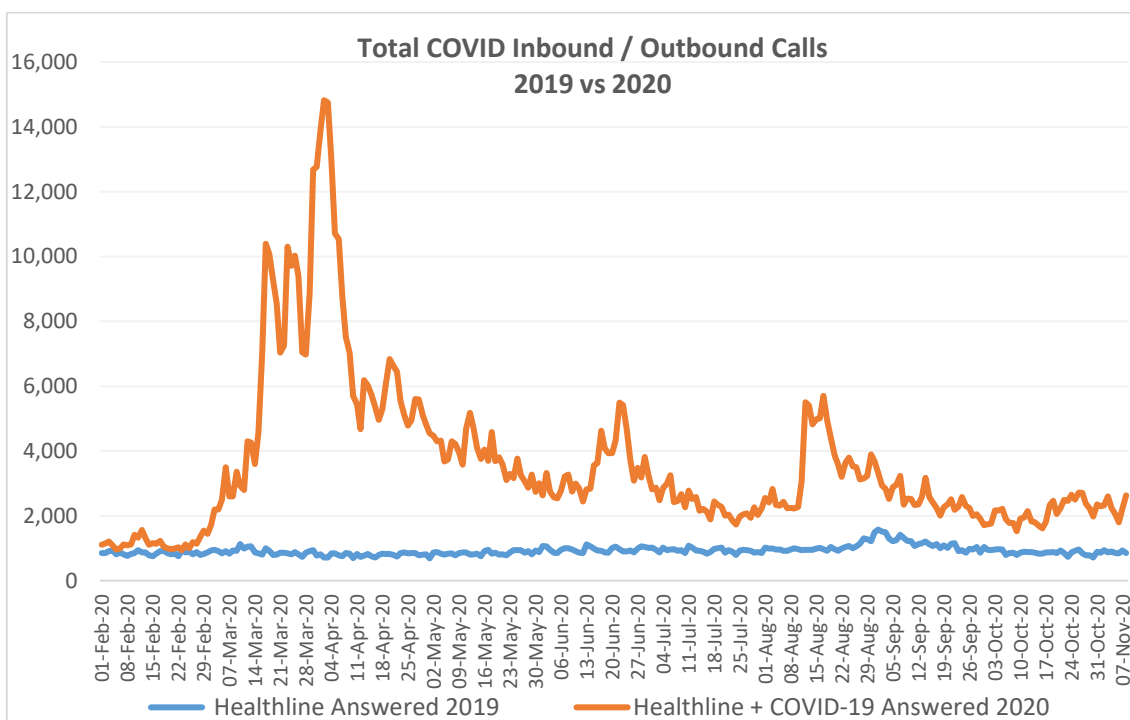


# Community Behaviour Indicators

## Healthline

- On 08 November 2020 there were 2,629 contacts in Healthline. Of those calls, 893 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 577 contacts (lower than forecasted).
- The main themes on 08 November 2020 were:
  - The current community cases in Wellington and Auckland. Specific exposure events where there was significant community concern were Papakura military base, Auckland airport, the flight (casual vs. close definition) and the Wellington restaurant (confusion over which outlet).
  - The Auckland event yesterday generated very small levels of call volume.
  - Continued to receive calls related to the test requirement changes for passengers who are flying back to China as issued by the Chinese embassy

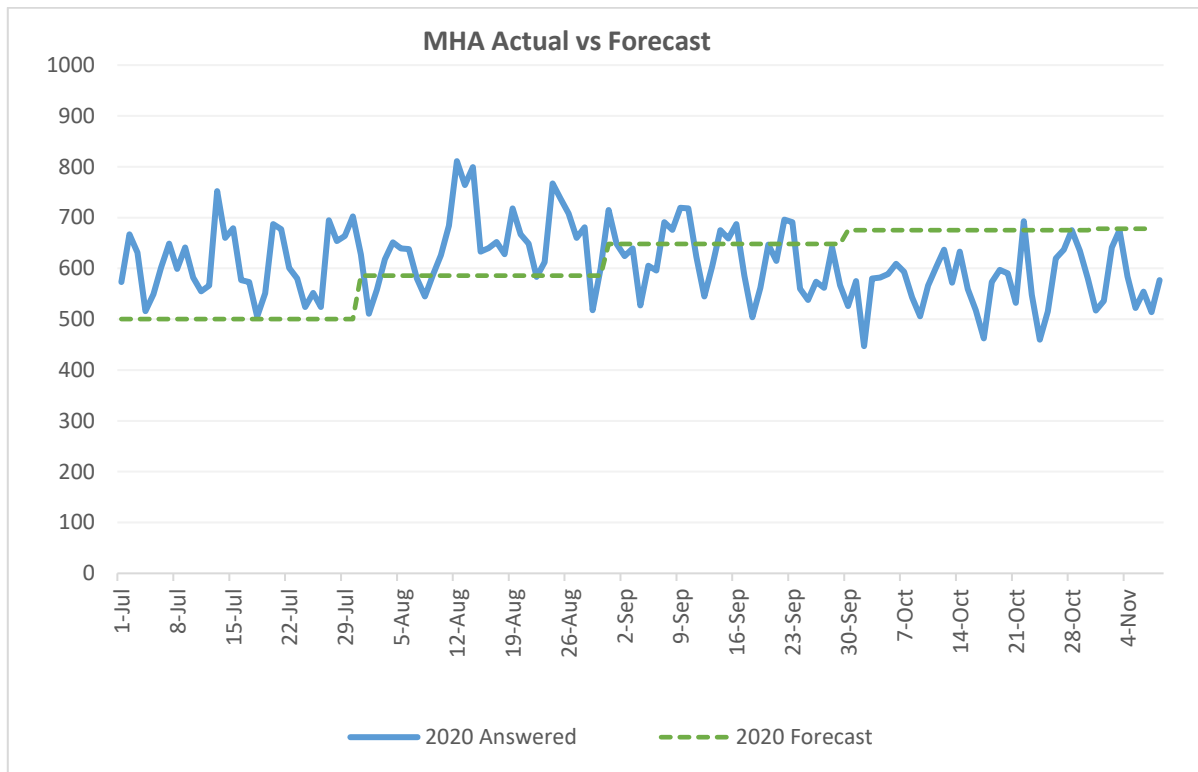
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



## Healthline Mental Health Response

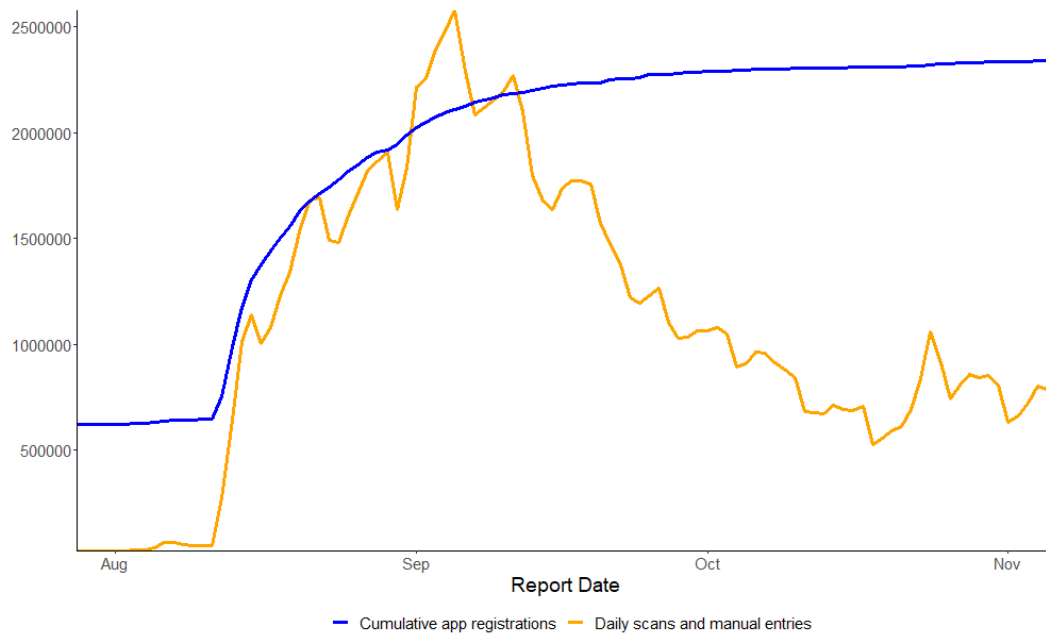
On 08 November 2020, demand on 1737 and other mental health services was higher compared to the same day last year - in total circa 577 calls were answered, compared to 415 on the same day last year.

**Figure 2: Healthline Mental Health Response**

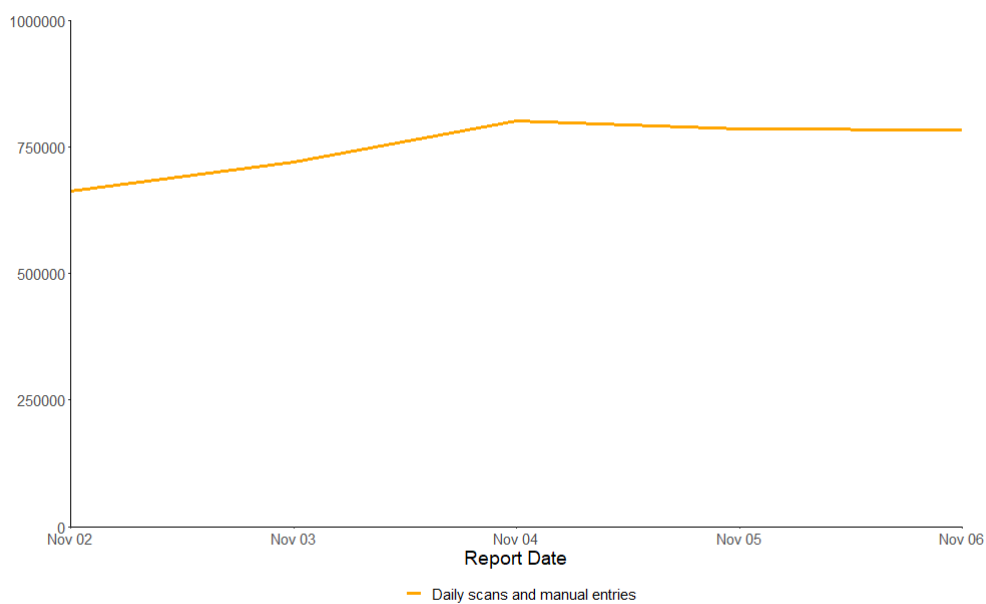


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 08 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 08 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 09 November 2020**

Grouping	Reason for test:	02 Nov	03 Nov	04 Nov	05 Nov	06 Nov	07 Nov	08 Nov	Weekly Total
Border workers	Air Crew	67	58	52	79	70	45	14	385
	Airport Staff	98	234	193	254	135	162	71	1147
	Maritime Crew	0	0	0	4	4	1	0	9
	MIF Staff	162	563	380	437	447	218	258	2465
	MIQ Staff	39	32	46	69	64	144	47	441
	Port Staff-Port of Tauranga Ltd	0	23	56	43	44	76	4	246
	Port Staff – Port of Auckland	0	84	34	35	29	106	19	307
	Port Staff-Remainder	0	66	41	82	71	23	0	283
Community	CTCs And Pop-Ups	699	3213	2329	2494	2053	1277	1009	13074
	GPs and Other Primary Health	595	2040	2319	2345	2094	1474	641	11508
Travellers	Staying At MIF	680	776	912	1001	740	569	970	5648
	Staying At MIQ	115	82	29	13	83	21	9	352
Total		2455	7171	6391	6856	5834	4116	3042	35865

*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 09 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
26/10/2020	402	177	196	1	0
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1083	357	645	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	805	313	444	2	6
2/11/2020	890	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1113	408	633	1	0
6/11/2020	993	454	479	1	0
7/11/2020	635	338	238	5	0
8/11/2020	753	118	602	0	1

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 09 November 2020**

Reason for no test	September	October	November	Total
Child*	80	65	17	162
Clinical	5	6	3	14
Management Plan Change	2			2
No Consent	17	4	24	45
Other**	4	67	30	105
Total	108	142	72	328

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 25 October to 08 November.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	344	615	1888	3033	960	6840
Bay of Plenty	254	45	99	873	23	1294
Canterbury	268	139	539	3136	179	4261
Capital and Coast	245	250	307	1667	73	2542
Counties Manukau	718	1548	1597	1734	165	5762
Hawke's Bay	120	57	37	435	22	671
Hutt Valley	105	66	148	464	22	805
Lakes	176	12	50	311	14	563
MidCentral	104	27	73	551	30	785
Nelson Marlborough	87	38	47	708	18	898
Northland	187	17	32	424	17	677
South Canterbury	16	5	10	180	10	221
Southern	120	48	160	1294	36	1658
Tairāwhiti	90	5	10	130	4	239
Taranaki	64	7	32	420	12	535
Waikato	409	63	312	1339	58	2181
Wairarapa	32	1	8	156	3	200
Waitematā	508	499	1612	3770	80	6469
West Coast	9	0	6	50	-	65
Whanganui	21	3	5	131	7	167
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>3884</b>	<b>3457</b>	<b>6979</b>	<b>20844</b>	<b>1758</b>	<b>36922</b>

Table 7: Rate per 1000 people tested for COVID-19 from 25 October to 08 November.

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	7.91	10.97	10.09	11.6	12.48
Bay of Plenty	4.25	10.12	5.05	5.55	5.37
Canterbury	5.11	9.8	8.87	7.03	7.43
Capital and Coast	6.71	11.27	6.12	7.84	7.9
Counties Manukau	8.06	12.89	10.57	8.29	10.12
Hawke's Bay	2.77	8.88	4.04	4.03	4.02
Hutt Valley	4.03	5.65	7.89	4.92	5.34
Lakes	4.57	4.7	5.14	5.19	5.08
MidCentral	2.86	4.87	4.71	4.45	4.33
Nelson Marlborough	5.42	15.38	6.33	5.63	5.92
Northland	3.07	4.52	3.87	3.89	3.72
South Canterbury	3.01	10.24	4.23	3.48	3.69
Southern	3.58	6.97	6.2	4.84	4.97
Tairāwhiti	3.63	4.47	8.57	5.88	4.86
Taranaki	2.74	5.03	5.14	4.67	4.43
Waikato	4.24	4.73	7.07	4.97	5.16
Wairarapa	4.01	1.2	6.42	4.37	4.37
Waitematā	8.12	11.19	11.21	9.86	10.21
West Coast	2.32	0	6.49	1.85	2.03
Whanganui	1.21	1.97	1.71	3.04	2.58
<b>Total</b>	<b>5</b>	<b>10.8</b>	<b>9.1</b>	<b>6.7</b>	<b>7.4</b>

# Daily COVID-19 Situation UPDATE

## Key Facts and Figures

As at 1030

10 NOVEMBER 2020

### Statistics at a Glance

Total Active Cases in New Zealand (Community and MIQ)

**52**

**In the Community**  
(since 11 August –  
see Table 1)

New Cases since 0900  
Yesterday

**0**

Total Recovered

**187**

Total Deceased

**3**

Active Community Cases

**4**

Total Cases Since 11 August

**194**

**Imported cases in  
Managed Isolation  
and Quarantine**

New Cases since 0900  
Yesterday

**1**

Total Recovered

**260**

Active MIF/MIQ Cases

**48**

Total Imported MIQ Cases

**308**

**Laboratory  
Testing**

Total Tests in Last 24 Hours

**2,960**

Total Tests over  
Last Seven Days

**36,370**

Total Laboratory Tests

**1,142,938**



## Community Case by Outbreak

Table 1: Community Case by Outbreak as at 0900 10 November 2020

Outbreak	New cases (since 0900 09/11)	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	2
November Quarantine Cluster	0	2	2
<b>Total</b>	<b>0</b>	<b>194</b>	<b>4</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at 0900 10 November 2020

Case status	Active	Recovered	Deceased	Total
Confirmed	52 (+1)	1559	20	1631 (+1)
Probable	0	351	5	356
<b>Total</b>	<b>52 (+1)</b>	<b>1910</b>	<b>25</b>	<b>1987 (+1)</b>

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>November Quarantine Cluster .....</i>	<i>4</i>
<i>Sudima Hotel MIF Staff Members .....</i>	<i>4</i>
<i>Maritime Company Outbreak .....</i>	<i>4</i>
Imported Cases in Managed Isolation .....	6
<i>International Mariners .....</i>	<i>6</i>
Community Behaviour Indicators.....	7
<i>Healthline.....</i>	<i>7</i>
<i>COVID-19 App Scans.....</i>	<i>9</i>
Precautionary Testing .....	10
<i>Border and Arrival Lab Testing.....</i>	<i>10</i>
<i>Day 3 and Day 12 testing.....</i>	<i>11</i>
<i>DHB Testing by Ethnicity.....</i>	<i>12</i>

## Cases in the Community

- There have been no new community cases since 08 November 2020.
- The total number of active cases in the community is four.

### November Quarantine Cluster

- Two cases have been identified in relation to this cluster. Case A worked at the Jet Park MIQ and Case B was a close contact of Case A.
- Case A became symptomatic and returned a positive result on 05 November. Their last routine test at 1930 on 03 November was negative, but when the test was rerun, it returned an extremely weak positive. This pushed back the period for contact tracing to include all of 03 November.
- Case A is now in isolation at Jet Park. All 25 close contacts have been contacted and are in isolation. 24 returned negative results, with one positive result. (Case B)
- Genomic sequencing for Case A shows a direct link to two returnees (a family) at Jet Park. A review of CCTV footage is yet to identify direct contact between Case A and the returnees. A wider review of CCTV footage is being conducted.
- 239 of 242 occupants at Case A's accommodation, the Waldorf Apartment Complex, have returned negative results. Three are pending.
- Case B is a close contact of Case A. They travelled from Auckland to Wellington on 05 November.
- Contact tracing is underway for Case B, with several exposure events identified in Auckland and Wellington. Relevant push notifications went out via the COVID-19 tracer app.
- Case B is now in managed quarantine at the Grand Mercure Hotel in Wellington.
- Case B's employer (NZDF) has closed Defence House to do a deep clean.

### International Mariners (Sudima Staff Members)


- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- By 31 October, MIF Staff Case A s 9(2)(a) , and on 1 November, s 9(2)(a) They were tested on the same day at the CBAC. They are undertaking isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel. Genotyping for Case A has been completed, Case B genotyping relates to the mariners, but differs to that of Case A.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- All staff who worked at the Sudima Hotel since 23 October have been tested. All tests have returned negative.

### Maritime Company Outbreak


- There are no active cases associated with this event.

## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.

## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 10 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
308	48

- One new case has been detected at the border.
  - This case arrived from India via Singapore on 31 October. They were transferred from the s 9(2)(a) to Jet Park on 05 November due to a family member testing positive.

### International Mariners

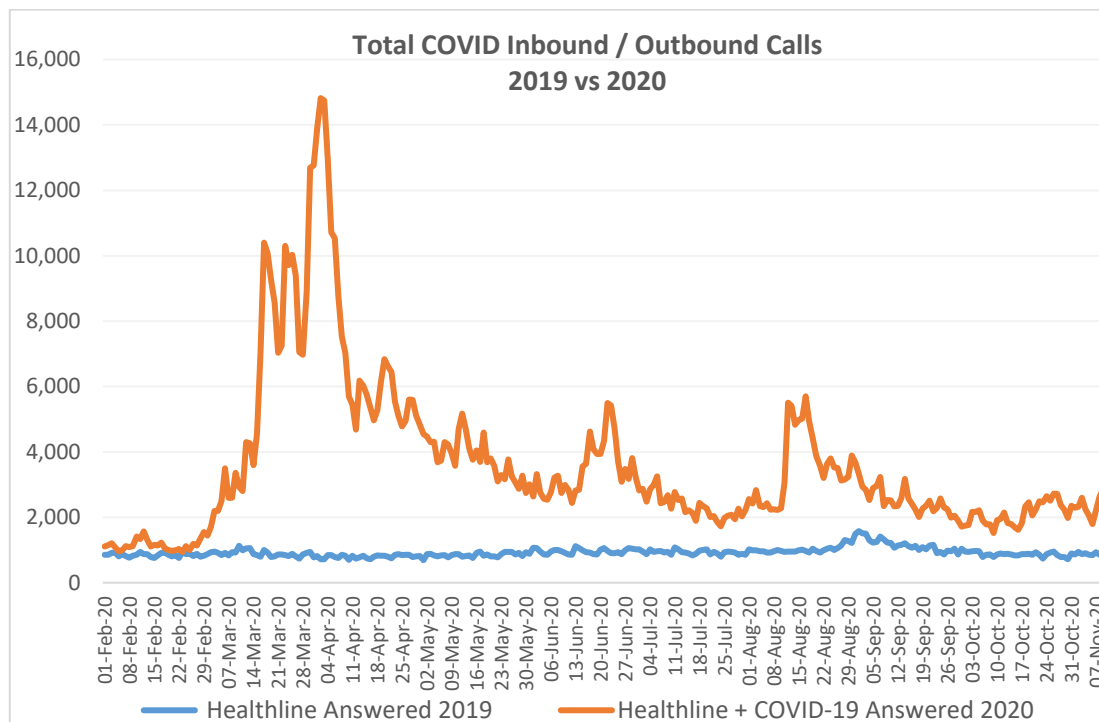
- On 16 October, a chartered flight arrived in New Zealand from Russia via Singapore with 235 mariners onboard.
- Day 6 tests on 22 October returned 8 positive and 206 negative results. 18 were not tested as they were already cases.
- 11 higher-risk contacts were tested on Day 9, with three further cases identified.
- Day 12 tests on 28 October identified 1 further positive case.
- Day 15 tests on 31 October identified 1 further positive case.
- On 07 November, the mariners departed the Sudima Hotel, Christchurch, and are onboard their ships.
- Four remaining mariners are due to depart on Tuesday 10 and Wednesday 11 November. Deep cleaning of the facility is underway.
- Genome sequencing suggests several separate initial infections with the subsequent spread of one main lineage within the group. Whole genomic sequencing of 11 high quality genomes from the international mariners has resulted in the detection of three separate lineages: B.1.1.7, B.1.1.10 and B.1.1.77; in the partial genomes, B.1.5 has also been detected. The B.1.1.77 is the main lineage and seems to have spread within the group.

# Community Behaviour Indicators

## Healthline

- On 09 November 2020 there were 2,873 contacts in Healthline. Of those calls, 861 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 658 contacts (lower than forecasted).
- The main themes on 09 November 2020 were:
  - The biggest driver of calls related to the incorrect media reporting around the flight from Wellington to Waikato.
  - The current community cases in Wellington and Auckland. Specific exposure events where there was significant community concern were Papakura military base, Auckland airport, the flight (casual vs. close definition) and the Wellington restaurant (confusion over which outlet).
  - The Auckland event yesterday generated very small levels of call volume.
  - Continued to receive calls related to the test requirement changes for passengers who are flying back to China as issued by the Chinese embassy

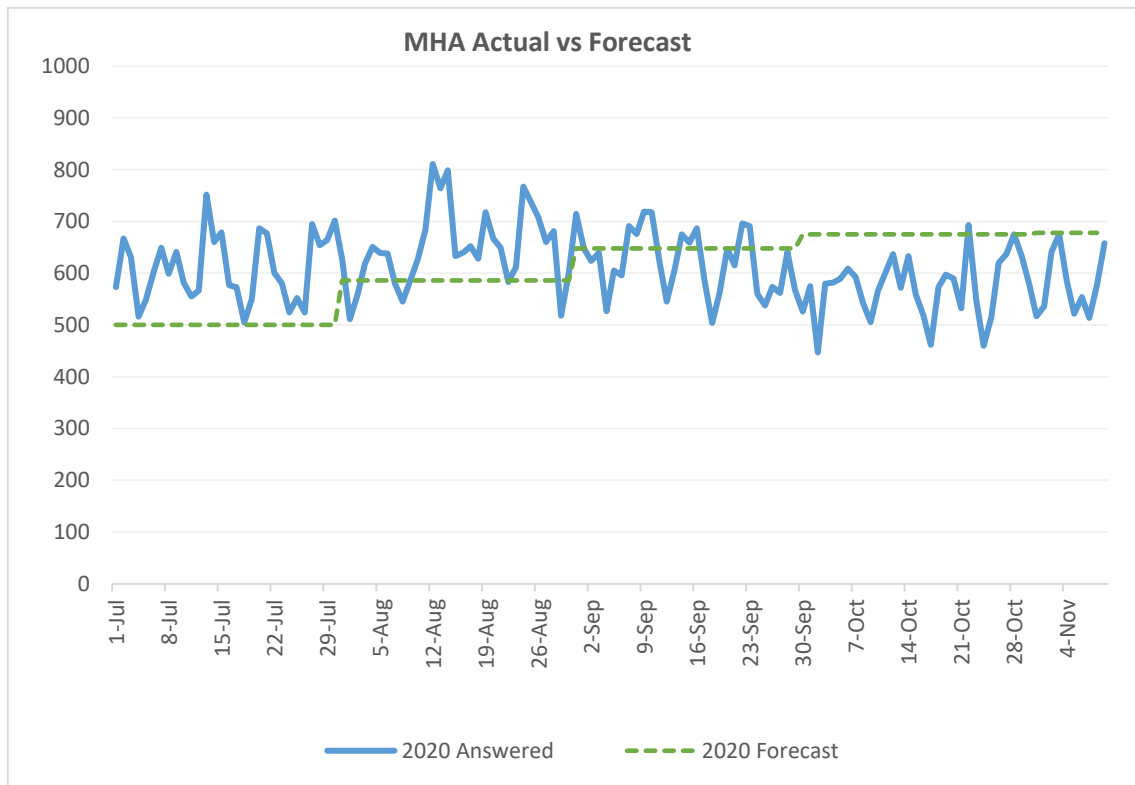
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

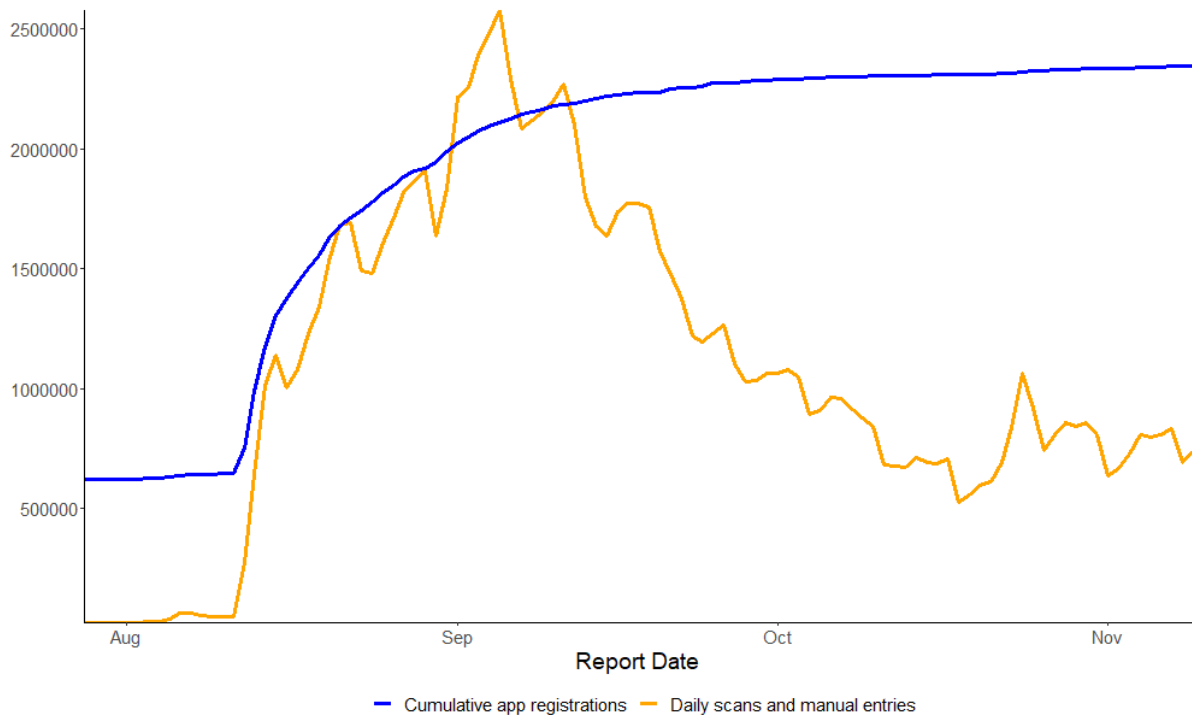
On 09 November 2020, demand on 1737 and other mental health services was higher compared to the same day last year - in total circa 658 calls were answered, compared to 551 on the same day last year.

**Figure 2: Healthline Mental Health Response**

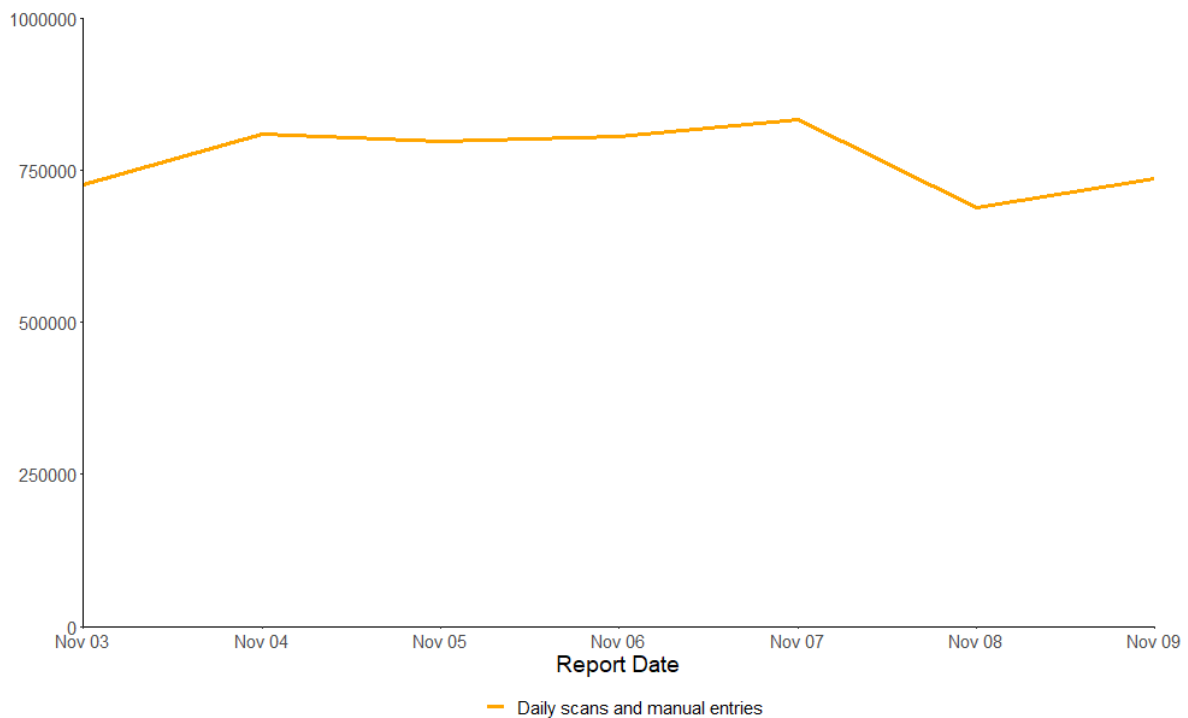


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 09 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 09 November 2020**





# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 10 November 2020**

Grouping	Reason for test:	03 Nov	04 Nov	05 Nov	06 Nov	07 Nov	08 Nov	09 Nov	Weekly Total
Border workers	Air Crew	58	52	79	70	45	14	27	345
	Airport Staff	234	193	254	135	162	71	65	1114
	Maritime Crew	0	0	4	4	1	0	0	9
	MIF Staff	563	380	437	447	218	258	170	2473
	MIQ Staff	32	46	69	64	144	47	49	451
	Port Staff-Port of Tauranga Ltd	23	56	43	44	76	4	1	247
	Port Staff – Port of Auckland	84	34	35	29	106	19	7	314
	Port Staff-Remainder	66	41	82	71	23	0	22	305
Community	CTCs And Pop-Ups	3250	2346	2530	2088	1348	1118	884	13564
	GPs and Other Primary Health	2040	2325	2342	2081	1416	551	766	11521
Travellers	Staying At MIF	739	889	968	718	556	951	965	5786
	Staying At MIQ	82	29	13	83	21	9	4	241
Total		7171	6391	6856	5834	4116	3042	2960	36370

*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 10 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
27/10/2020	689	369	255	2	0
28/10/2020	1029	645	278	7	0
29/10/2020	1021	356	583	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	743	313	382	2	6
2/11/2020	889	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1114	408	633	1	0
6/11/2020	993	454	480	1	0
7/11/2020	636	339	238	6	0
8/11/2020	754	119	603	1	1
9/11/2020	1059	523	497	3	0

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 10 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	26	171
<b>Clinical</b>	5	6	5	16
<b>Management Plan Change</b>	2			2
<b>No Consent</b>	17	4	28	49
<b>Other**</b>	4	67	35	106
<b>Total</b>	<b>108</b>	<b>142</b>	<b>94</b>	<b>344</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 26 October to 09 November.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	348	620	1856	3072	1069	6965
Bay of Plenty	254	44	96	890	25	1309
Canterbury	268	146	538	3138	185	4275
Capital and Coast	257	259	304	1677	75	2572
Counties Manukau	716	1534	1568	1744	162	5724
Hawke's Bay	116	53	42	434	21	666
Hutt Valley	110	71	147	489	23	840
Lakes	178	12	51	316	16	573
MidCentral	101	27	61	532	32	753
Nelson Marlborough	89	36	48	758	19	950
Northland	185	18	30	428	18	679
South Canterbury	16	5	11	176	8	216
Southern	127	48	164	1359	35	1733
Tairāwhiti	90	5	29	135	6	265
Taranaki	61	7	33	416	12	529
Waikato	405	63	310	1340	60	2178
Wairarapa	30	1	6	156	3	196
Waitematā	501	490	1584	3767	82	6424
West Coast	11	0	6	54	-	71
Whanganui	25	3	5	137	7	177
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>3895</b>	<b>3456</b>	<b>6896</b>	<b>21060</b>	<b>1883</b>	<b>37190</b>

Table 7: Rate per 1000 people tested for COVID-19 from 26 October to 09 November.

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	8	11.06	9.92	11.75	12.71
Bay of Plenty	4.25	9.9	4.9	5.66	5.43
Canterbury	5.11	10.3	8.85	7.03	7.45
Capital and Coast	7.04	11.68	6.06	7.88	8
Counties Manukau	8.04	12.77	10.38	8.33	10.05
Hawke's Bay	2.68	8.26	4.58	4.02	3.99
Hutt Valley	4.22	6.08	7.83	5.19	5.57
Lakes	4.63	4.7	5.24	5.27	5.17
MidCentral	2.78	4.87	3.93	4.3	4.16
Nelson Marlborough	5.55	14.57	6.47	6.02	6.26
Northland	3.04	4.79	3.63	3.93	3.73
South Canterbury	3.01	10.24	4.65	3.41	3.61
Southern	3.78	6.97	6.36	5.08	5.19
Tairāwhiti	3.63	4.47	24.84	6.11	5.39
Taranaki	2.61	5.03	5.3	4.63	4.38
Waikato	4.2	4.73	7.02	4.98	5.15
Wairarapa	3.76	1.2	4.81	4.37	4.29
Waitematā	8.01	10.99	11.02	9.85	10.14
West Coast	2.84	0	6.49	2	2.22
Whanganui	1.44	1.97	1.71	3.18	2.73
<b>Total</b>	<b>5</b>	<b>10.8</b>	<b>9</b>	<b>6.8</b>	<b>7.5</b>

# Daily COVID-19 Situation UPDATE

## Key Facts and Figures

As at 1030

11 NOVEMBER 2020

### Statistics at a Glance

Total Active Cases in New Zealand (Community and MIQ)

**52**

**In the Community**  
(since 11 August –  
see Table 1)

New Cases since 0900  
Yesterday

**0**

Total Recovered

**187**

Total Deceased

**3**

Active Community Cases

**4**

Total Cases Since 11 August

**194**

**Imported cases in  
Managed Isolation  
and Quarantine**

New Cases since 0900  
Yesterday

**1**

Total Recovered

**261**

Active MIF/MIQ Cases

**48**

Total Imported MIQ Cases

**309**

**Laboratory  
Testing**

Total Tests in Last 24 Hours

**5,995**

Total Tests over  
Last Seven Days

**35,194**

Total Laboratory Tests

**1,148,933**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at 0900 11 November 2020

Outbreak	New cases (since 0900 10/11)	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	2
November Quarantine Cluster	0	2	2
<b>Total</b>	<b>0</b>	<b>194</b>	<b>4</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at 0900 11 November 2020

Case status	Active	Recovered	Deceased	Total
Confirmed	52*	1560 (+1)	20	1632 (+1)
Probable	0	351	5	356
<b>Total</b>	<b>52*</b>	<b>1911 (+1)</b>	<b>25</b>	<b>1988 (+1)</b>

\*1 new case, 1 recovery

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>November Quarantine Cluster .....</i>	<i>4</i>
<i>Sudima Hotel MIF Staff Members .....</i>	<i>4</i>
<i>Maritime Incident.....</i>	<i>4</i>
Imported Cases in Managed Isolation .....	6
<i>International Mariners .....</i>	<i>6</i>
Community Behaviour Indicators.....	7
<i>Healthline.....</i>	<i>7</i>
<i>COVID-19 App Scans.....</i>	<i>9</i>
Precautionary Testing .....	10
<i>Border and Arrival Lab Testing.....</i>	<i>10</i>
<i>Day 3 and Day 12 testing.....</i>	<i>11</i>
<i>DHB Testing by Ethnicity.....</i>	<i>12</i>

## Cases in the Community

- There have been no new community cases since 08 November 2020.
- The total number of active cases in the community is four.

### *November Quarantine Cluster*

- Two cases have been identified in relation to this cluster. Case A worked at the Jet Park MIQ and Case B was a close contact of Case A.
- Case A became symptomatic and returned a positive result on 05 November. Their last routine test at 1930 on 03 November was negative, but when the test was rerun, it returned an extremely weak positive. This pushed back the period for contact tracing to include all of 03 November.
- Case A is now in isolation at Jet Park. All 25 close contacts have been contacted and are in isolation. 24 returned negative results, with one positive result. (Case B)
- Genomic sequencing for Case A shows a direct link to two returnees (a family) at Jet Park. **A review of CCTV footage did not identify a connection between Case A and the returnees.**
- **All occupants at Case A's accommodation, the Waldorf Apartment Complex, have returned negative results.**
- Case B is a close contact of Case A. They travelled from Auckland to Wellington on 05 November. **Genomic sequencing for Case B matched with that of Case A.**
- Several exposure events have been identified for Case B in Auckland and Wellington. Relevant push notifications went out via the COVID-19 tracer app.
- Case B is now in managed quarantine at the Grand Mercure Hotel in Wellington.
- Case B's employer (NZDF) has closed Defence House to do a deep clean.
- **Case B's close workplace contacts and close contacts from the flight will undertake Day 5 tests today.**

### *International Mariners (Sudima Staff Members)*

- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A began to experience the onset of minor symptoms and sought a test on 1 November, which returned a positive. They are undertaking isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel. Genotyping for Case A has been completed, Case B genotyping relates to the mariners, but differs to that of Case A.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- All staff who worked at the Sudima Hotel since 23 October have been tested. All tests have returned negative.


### *Maritime Incident*

- There are no active cases associated with this event.

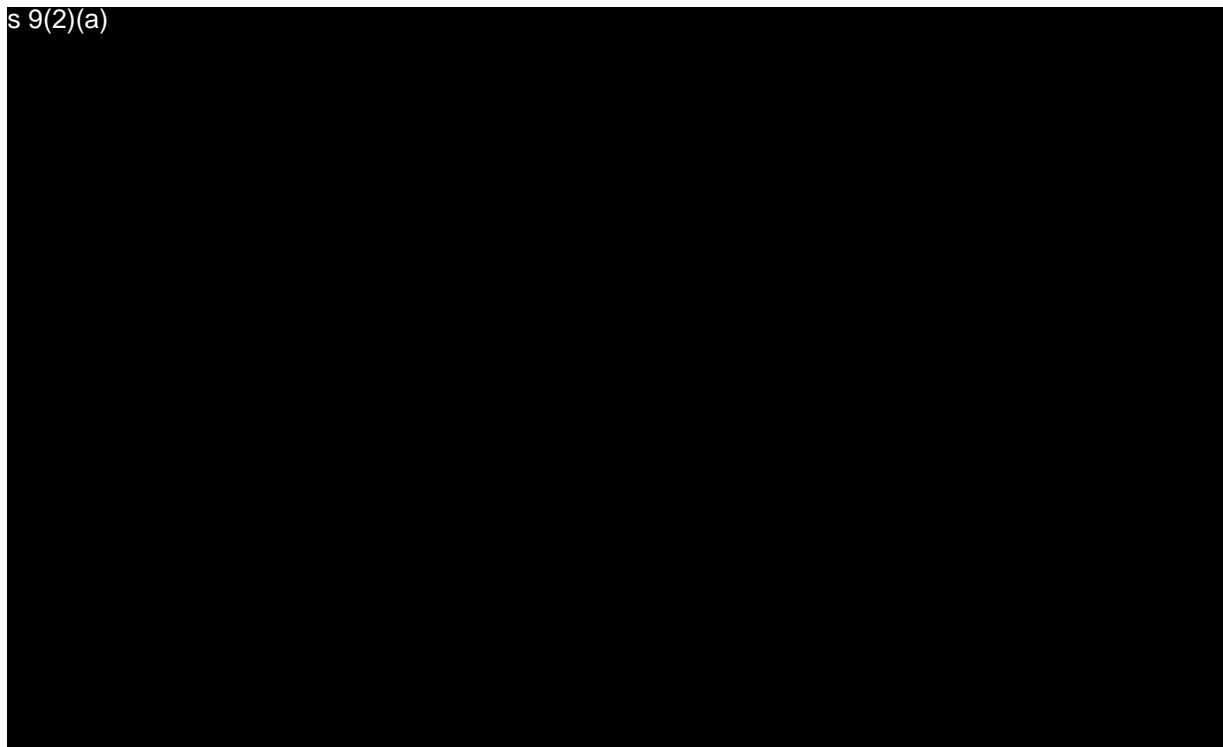


## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.

## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 11 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
309	48

- One new case has been detected at the border.
  - The case arrived from Romania via Qatar and Australia on 03 November. They were transferred from s 9(2)(a) to Jet Park due to a family member testing positive.

### International Mariners

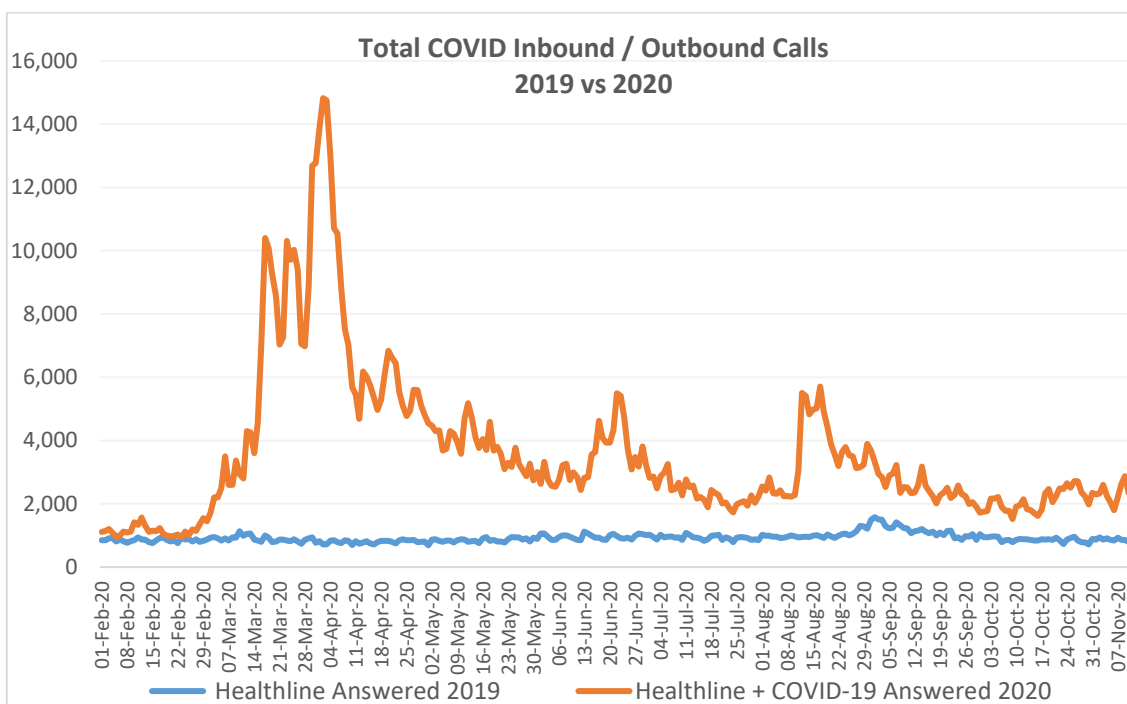
- On 16 October, a chartered flight arrived in New Zealand from Russia via Singapore with 235 mariners onboard.
- Day 6 tests on 22 October returned 8 positive and 206 negative results. 18 were not tested as they were already cases.
- 11 higher-risk contacts were tested on Day 9, with three further cases identified.
- Day 12 tests on 28 October identified 1 further positive case.
- Day 15 tests on 31 October identified 1 further positive case.
- On 07 November, the mariners departed the Sudima Hotel, Christchurch, and are onboard their ships.
- All mariners have now departed except one who is due to depart today and two who are due to depart tomorrow (12/11).
- Genome sequencing suggests several separate initial infections with the subsequent spread of one main lineage within the group. Whole genomic sequencing of 11 high quality genomes from the international mariners has resulted in the detection of three separate lineages: B.1.1.7, B.1.1.10 and B.1.1.77; in the partial genomes, B.1.5 has also been detected. The B.1.1.77 is the main lineage and seems to have spread within the group.

# Community Behaviour Indicators

## Healthline

- On 10 November 2020 there were 2,339 contacts in Healthline. Of those calls, 988 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 619 contacts (lower than forecasted).
- The main themes on 10 November 2020 were:
  - The biggest driver of volume continues to be misinformation in both media and social media
  - The current community cases in Wellington and Auckland. Specific exposure events where there was significant community concern were Papakura military base, Auckland airport, the flight (casual vs. close definition) and the Wellington restaurant (confusion over which outlet).
  - Continued to receive calls related to the test requirement changes for passengers who are flying back to China as issued by the Chinese embassy

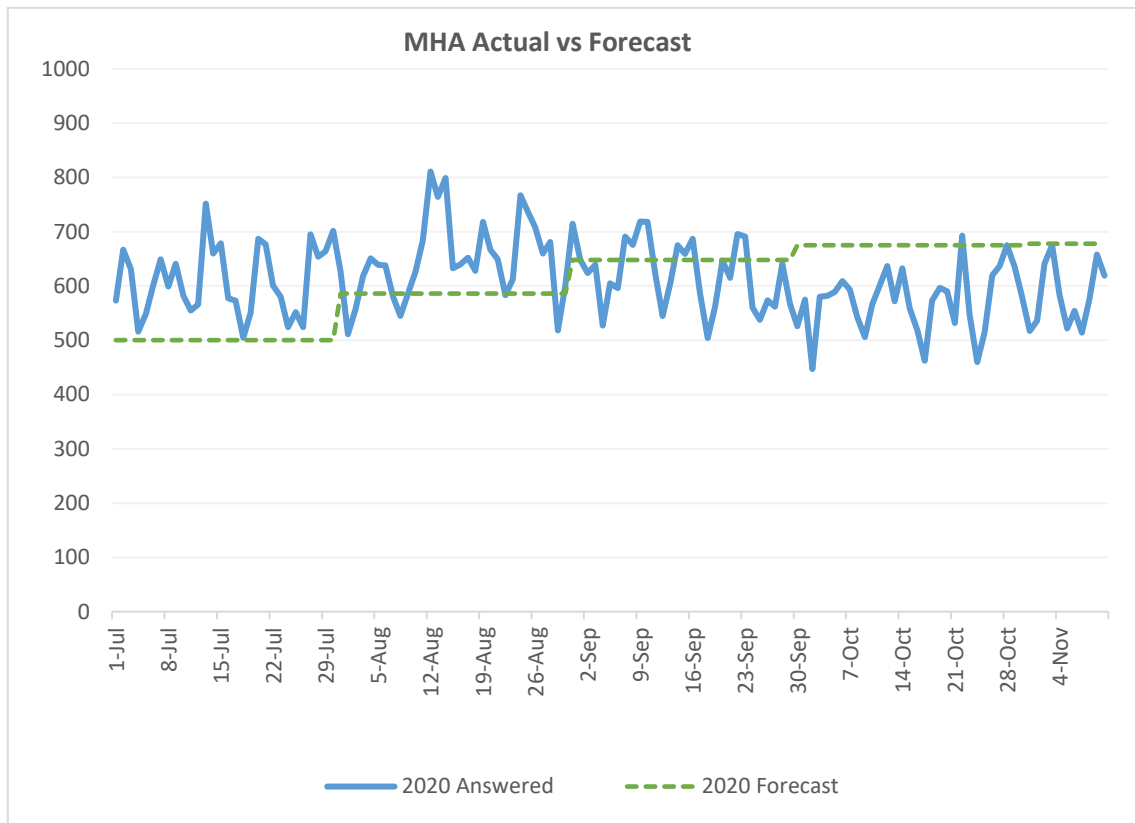
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

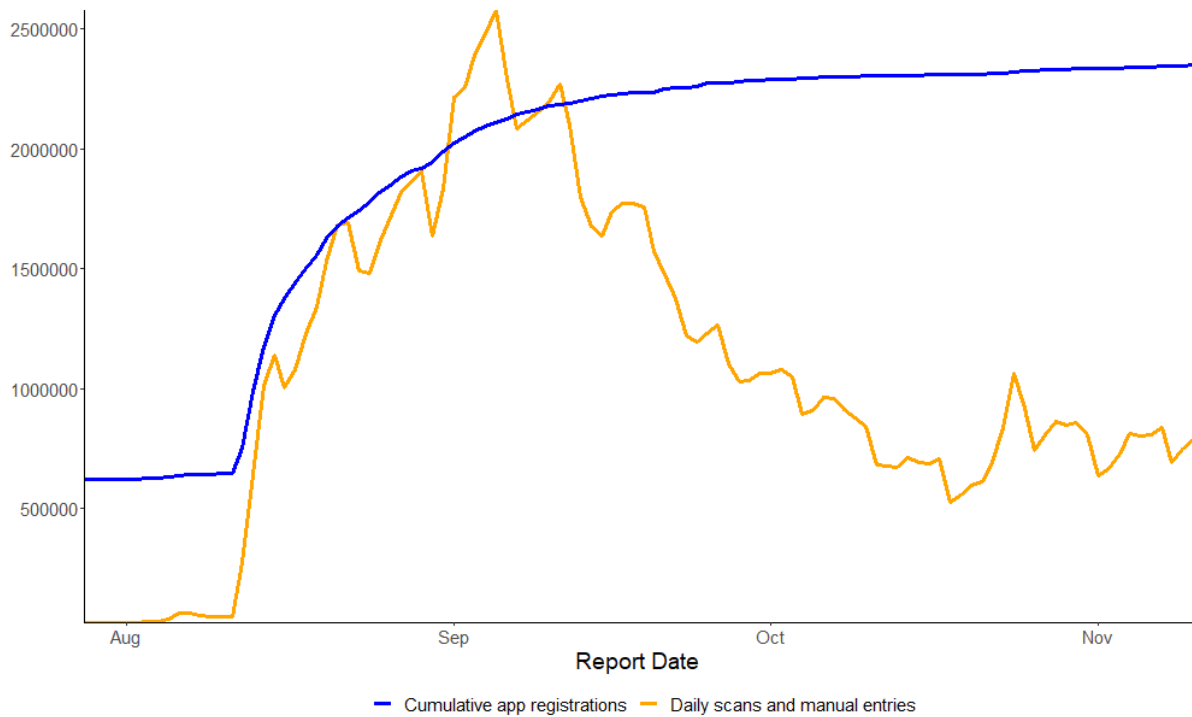
On 10 November 2020, demand on 1737 and other mental health services was higher compared to the same day last year - in total circa 619 calls were answered, compared to 554 on the same day last year.

**Figure 2: Healthline Mental Health Response**

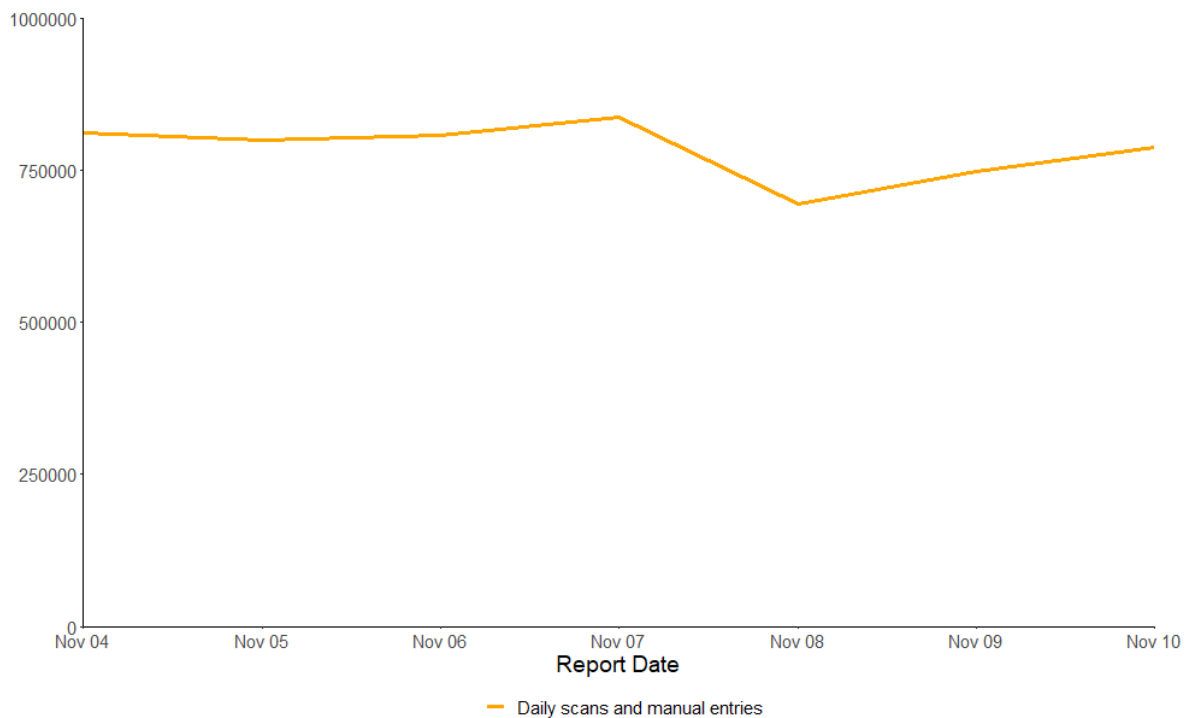


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 10 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 10 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 11 November 2020**

Grouping	Reason for test:	04 Nov	05 Nov	06 Nov	07 Nov	08 Nov	09 Nov	10 Nov	Weekly Total
Border workers	Air Crew	52	79	70	45	14	28	66	354
	Airport Staff	193	254	135	162	71	65	219	1099
	Maritime Crew	0	4	4	1	0	0	0	9
	MIF Staff	380	437	447	218	258	170	357	2267
	MIQ Staff	46	69	64	144	47	49	28	447
	Port Staff-Port of Tauranga Ltd	56	43	44	76	4	1	10	234
	Port Staff – Port of Auckland	34	35	29	106	19	7	62	292
	Port Staff-Remainder	41	83	71	23	0	22	78	318
Community	CTCs And Pop-Ups	2347	2539	2094	1353	1120	971	2332	12756
	GPs and Other Primary Health	2324	2332	2075	1411	549	678	2327	11696
Travellers	Staying At MIF	889	968	718	556	951	965	500	5547
	Staying At MIQ	29	13	83	21	9	4	16	175
Total		6391	6856	5834	4116	3042	2960	5995	35194

*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 11 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
28/10/2020	1029	645	278	7	0
29/10/2020	1021	356	583	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	743	313	382	2	6
2/11/2020	889	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1114	408	633	1	0
6/11/2020	993	454	480	1	0
7/11/2020	635	339	238	6	0
8/11/2020	754	119	603	1	1
9/11/2020	1060	523	497	3	0
10/11/2020	511	206	247	1	0

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 11 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	30	175
<b>Clinical</b>	5	6	5	16
<b>Management Plan Change</b>	2			2
<b>No Consent</b>	17	4	30	51
<b>Other**</b>	4	67	35	106
<b>Total</b>	<b>108</b>	<b>142</b>	<b>100</b>	<b>350</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 27 October to 10 November.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	357	630	1900	3136	1060	7083
Bay of Plenty	271	44	108	933	25	1381
Canterbury	282	151	540	3327	192	4492
Capital and Coast	271	265	334	1826	75	2771
Counties Manukau	751	1627	1608	1793	134	5913
Hawke's Bay	123	51	43	444	19	680
Hutt Valley	132	77	144	549	23	925
Lakes	190	14	59	348	17	628
MidCentral	119	26	61	532	35	773
Nelson Marlborough	94	28	50	794	19	985
Northland	198	19	32	452	16	717
South Canterbury	17	4	11	193	9	234
Southern	136	52	172	1463	38	1861
Tairāwhiti	94	6	28	142	7	277
Taranaki	65	7	34	398	11	515
Waikato	497	66	327	1446	58	2394
Wairarapa	30	3	5	172	3	213
Waitematā	516	499	1604	3800	79	6498
West Coast	11	0	6	53	-	70
Whanganui	28	3	7	142	7	187
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4189</b>	<b>3584</b>	<b>7080</b>	<b>21988</b>	<b>1852</b>	<b>38693</b>



Table 7: Rate per 1000 people tested for COVID-19 from 27 October to 10 November.

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	8.21	11.23	10.15	12	12.92
Bay of Plenty	4.53	9.9	5.51	5.93	5.73
Canterbury	5.38	10.65	8.89	7.46	7.83
Capital and Coast	7.42	11.95	6.65	8.58	8.61
Counties Manukau	8.43	13.55	10.64	8.57	10.38
Hawke's Bay	2.84	7.95	4.69	4.11	4.07
Hutt Valley	5.07	6.59	7.67	5.82	6.14
Lakes	4.94	5.48	6.06	5.8	5.67
MidCentral	3.27	4.69	3.93	4.3	4.27
Nelson Marlborough	5.86	11.33	6.74	6.31	6.49
Northland	3.25	5.05	3.87	4.15	3.94
South Canterbury	3.2	8.19	4.65	3.74	3.91
Southern	4.05	7.55	6.67	5.47	5.58
Tairāwhiti	3.79	5.37	23.99	6.42	5.63
Taranaki	2.78	5.03	5.46	4.43	4.26
Waikato	5.16	4.95	7.41	5.37	5.66
Wairarapa	3.76	3.61	4.01	4.82	4.66
Waitematā	8.24	11.19	11.16	9.94	10.26
West Coast	2.84	0	6.49	1.96	2.19
Whanganui	1.61	1.97	2.39	3.3	2.88
<b>Total</b>	<b>5.4</b>	<b>11.2</b>	<b>9.2</b>	<b>7.1</b>	<b>7.8</b>

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 1030

12 NOVEMBER 2020

### ***Statistics at a Glance***

Total Active Cases in New Zealand (Community and MIQ)

**53**

***In the Community  
(since 11 August –  
see Table 1)***

New Cases since 0900  
Yesterday

**2**

Total Recovered

**187**

Total Deceased

**3**

Active Community Cases

**6**

Total Cases Since 11 August

**196**

***Imported cases in  
Managed Isolation  
and Quarantine***

New Cases since 0900  
Yesterday

**1**

Total Recovered

**263**

Active MIF/MIQ Cases

**47**

Total Imported MIQ Cases

**310**

***Laboratory  
Testing***

Total Tests in Last 24 Hours

**6,581**

Total Tests over  
Last Seven Days

**35,384**

Total Laboratory Tests

**1,155,514**

## Community Case by Outbreak

**Table 1: Community Case by Outbreak as at 0900 12 November 2020**

Outbreak	New cases (since 0900 11/11)	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	2
November Quarantine Cluster	1	3	3
Auckland November Case	1	1	1
<b>Total</b>	<b>2</b>	<b>196</b>	<b>6</b>

## New Zealand COVID-19 Summary

**Table 2: New Zealand COVID-19 Summary as at 0900 12 November 2020**

Case status	Active	Recovered	Deceased	Total
Confirmed	53(+1)	1562 (+2)	20	1635 (+3)
Probable	0	351	5	356
<b>Total</b>	<b>53(+1)</b>	<b>1913 (+2)</b>	<b>25</b>	<b>1991 (+3)</b>

\*3 new cases, 2 recoveries

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>November Quarantine Cluster .....</i>	<i>4</i>
<i>Sudima Hotel MIF Staff Members .....</i>	<i>4</i>
<i>Maritime Incident.....</i>	<i>5</i>
Imported Cases in Managed Isolation .....	7
<i>International Mariners .....</i>	<i>7</i>
Community Behaviour Indicators.....	8
<i>Healthline.....</i>	<i>8</i>
<i>COVID-19 App Scans.....</i>	<i>10</i>
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing.....</i>	<i>11</i>
<i>Day 3 and Day 12 testing.....</i>	<i>12</i>
<i>DHB Testing by Ethnicity.....</i>	<i>13</i>

## Cases in the Community

- There has been **two** new community case since **11 November 2020**.
- The total number of active cases in the community is **six**.

### *Auckland November Case*

- This case was identified this morning. On Monday 9 November, the case became symptomatic and had a phone consultation and test on the late evening of 10 November. They were advised to self-isolate. They returned a positive test today. An urgent request for genomic sequencing has been made.
- Case interview and scoping, identification of close contacts and consideration of testing requirements is underway. The case will be moved to Jet Park today.

### *November Quarantine Cluster*

- **Three** cases have been identified in the November Quarantine Cluster: Case A worked at the Jet Park MIQ; Case B was a close contact of Case A; and **Case C is a close contact of Case B**.

#### **Case A**

- On 05 November, Case A developed symptoms and tested positive. Their last routine test on 03 November was negative, but when rerun, returned an extremely weak positive.
- Case A is in quarantine at Jet Park. All 25 of their close contacts are in isolation, with 24 having returned negative results.
- All occupants at Case A's accommodation returned negative test results.
- **The source of the NZDF worker is almost certainly at JetPark. The case has been genomically linked to a **s 9(2)(a)** at JetPark however it is one mutation apart suggesting a missing infectious source.**
- **There may be an intermediary case involved; however, the investigation has revealed no evidence to support this (e.g. an intermediary case has not been identified). ARPHS is awaiting confirmation from ESR about whether the other border cases in JetPark at the time have all been sequenced in order to rule this hypothesis out with a high degree of certainty.**
- **s 9(2)(a)**

#### **Case B**

- Case B is a close contact of Case A. Case B flew from Auckland to Wellington on 05 November. Several exposure events have been identified for Case B in Auckland and Wellington.
- Case B is in quarantine at the Grand Mercure Hotel in Wellington.
- Genomic sequencing for Case B matched with that of Case A.
- Case B's close workplace contacts and close contacts from the flight undertook day 5 tests on 11 November. **All day 5 contacts have returned a negative test with the exception of Case C.**

### **Case C**

- On 11 November, a close contact of Case B (Case C) tested positive after developing symptoms. Case C had been self-isolating since the evening of 07 November and returned a negative result on day 3 testing.
- Case C is in quarantine at the Grand Mercure Hotel.

### ***International Mariners (Sudima Staff Members)***


- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A began to experience the onset of minor symptoms and sought a test on 1 November, which returned a positive. They are undertaking isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel. Genotyping for Case A has been completed, Case B genotyping relates to the mariners, but differs to that of Case A.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- All staff who worked at the Sudima Hotel since 23 October were tested and returned negative test results.

### ***Maritime Incident***

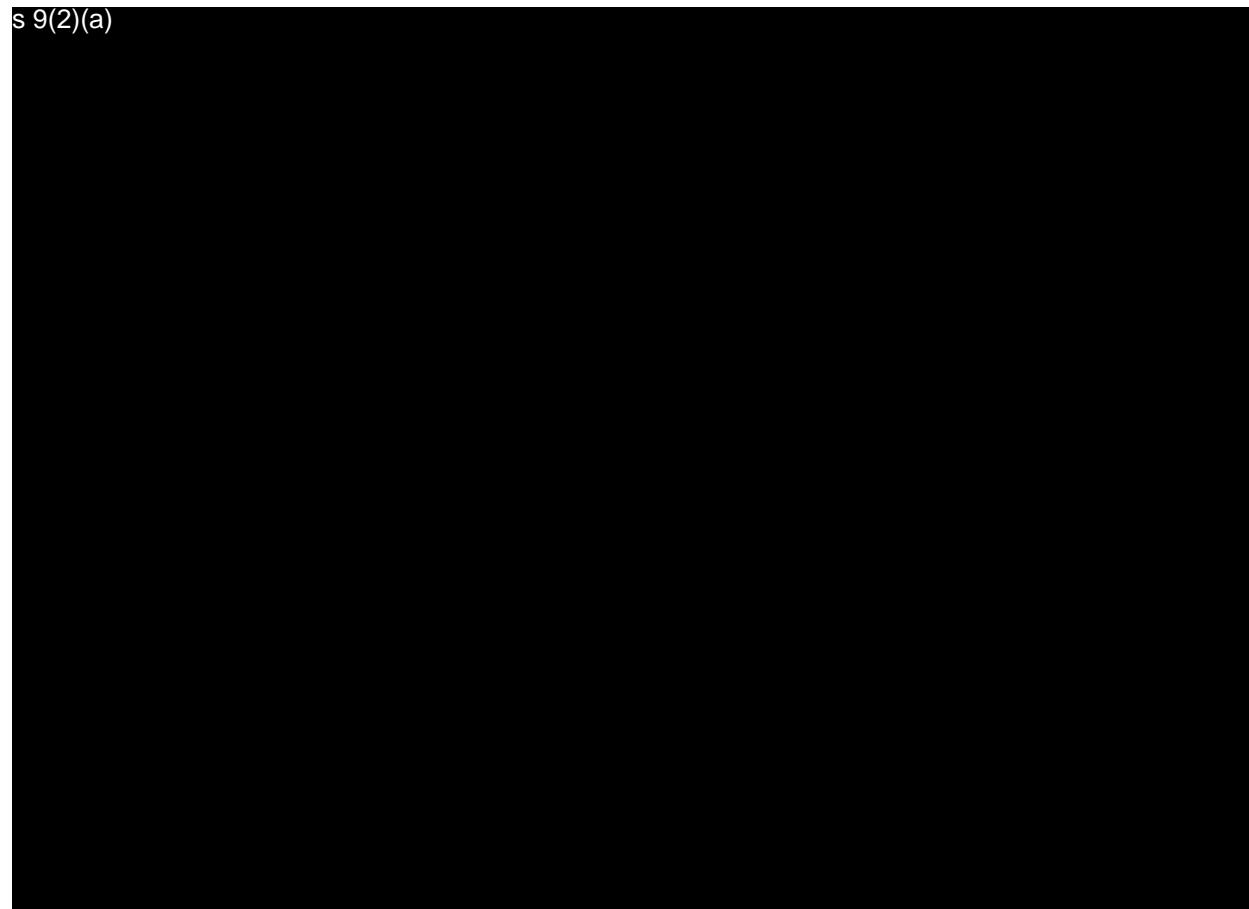
- There are no active cases associated with this event.

## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.

## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 12 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
310	47

- One new case has been detected at the border.
  - The case arrived from Los Angeles on 09 November. They tested positive on day two and were transferred from s 9(2)(a) to Jet Park.

### *International Mariners*

- All mariners have now departed except two who are due to depart today.

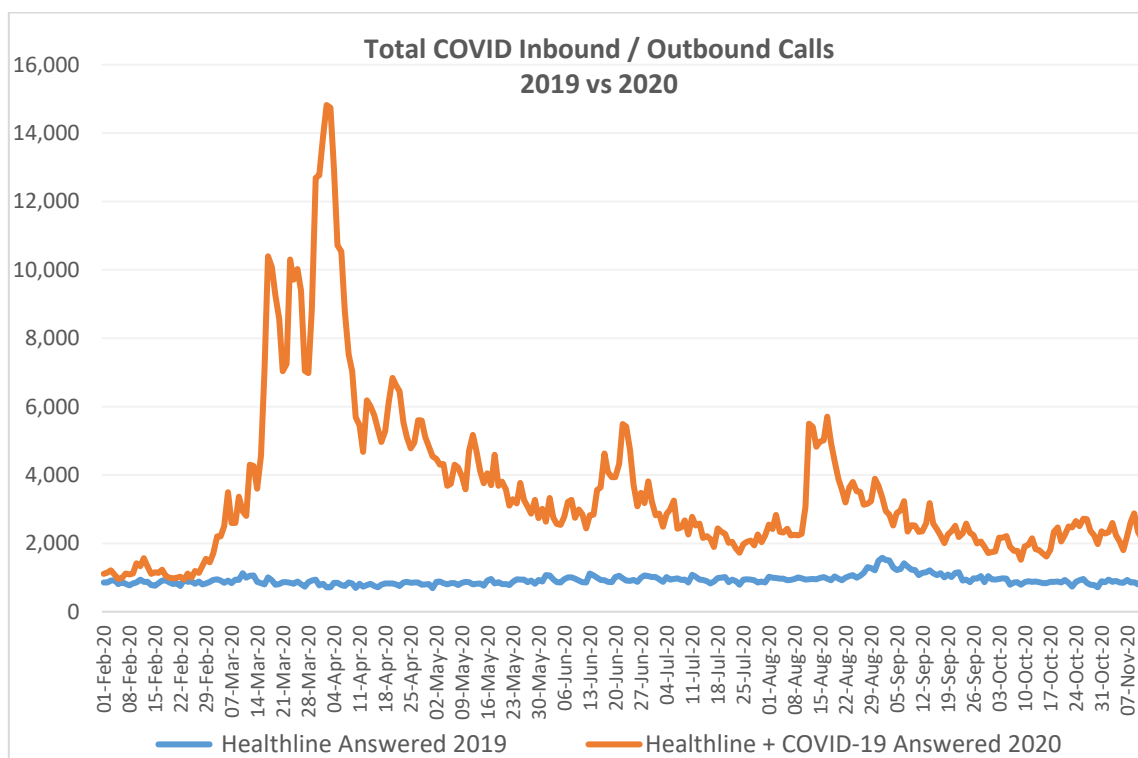


# Community Behaviour Indicators

## Healthline

- On 11 November 2020 there were 2,145 contacts in Healthline. Of those calls, 773 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 603 contacts (lower than forecasted).
- The main themes on 11 November 2020 were:
  - The biggest driver of volume continues to be misinformation in both media and social media
  - The current community cases in Wellington and Auckland. Specific exposure events where there was significant community concern were Papakura military base, Auckland airport, the flight (casual vs. close definition) and the Wellington restaurant (confusion over which outlet).
  - Continued to receive calls related to the test requirement changes for passengers who are flying back to China as issued by the Chinese embassy

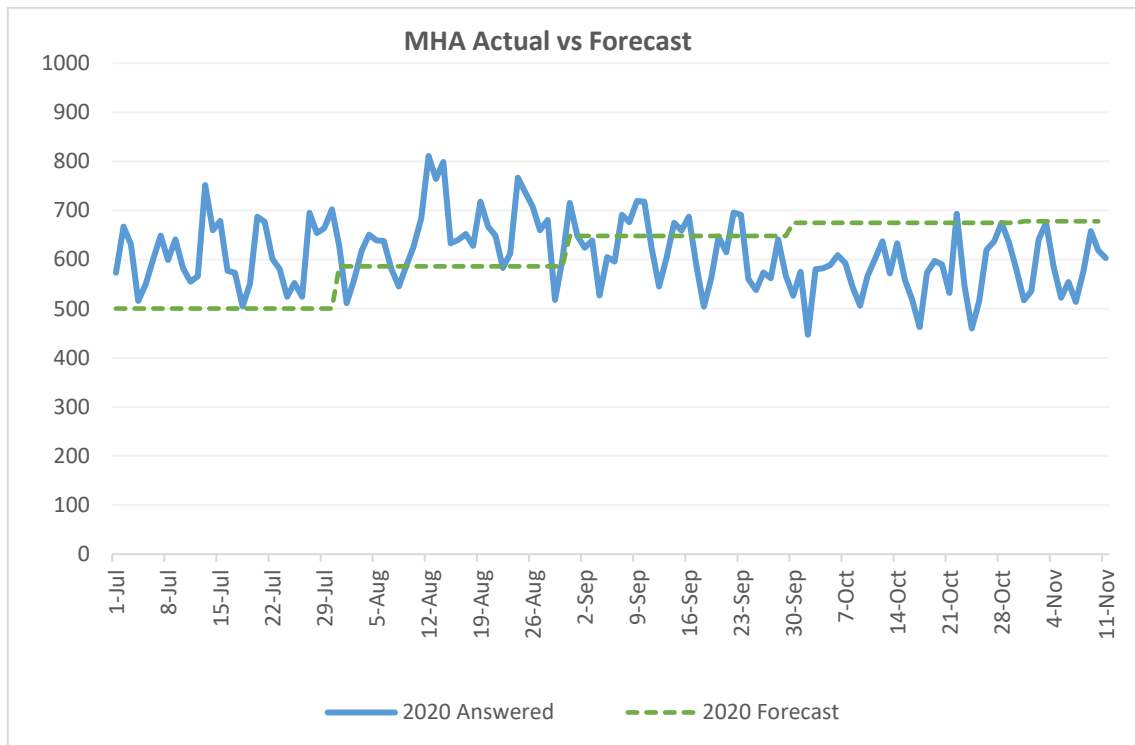
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

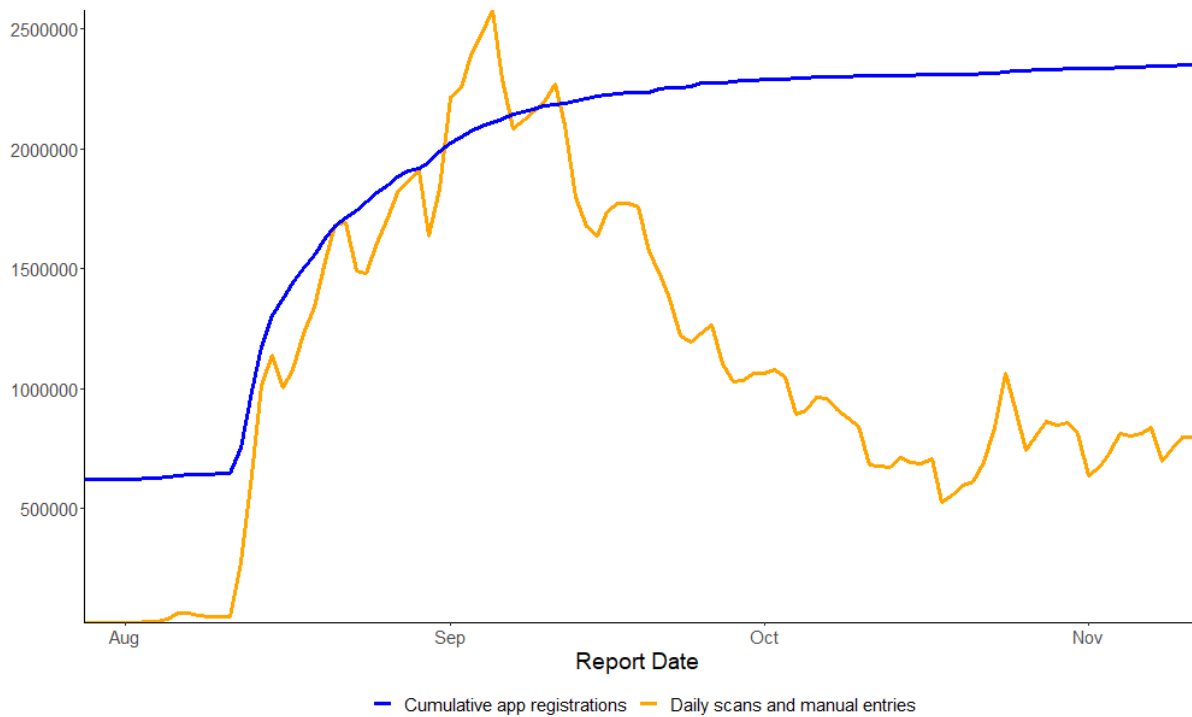
On 11 November 2020, demand on 1737 and other mental health services was higher compared to the same day last year - in total circa 603 calls were answered, compared to 484 on the same day last year.

**Figure 2: Healthline Mental Health Response**

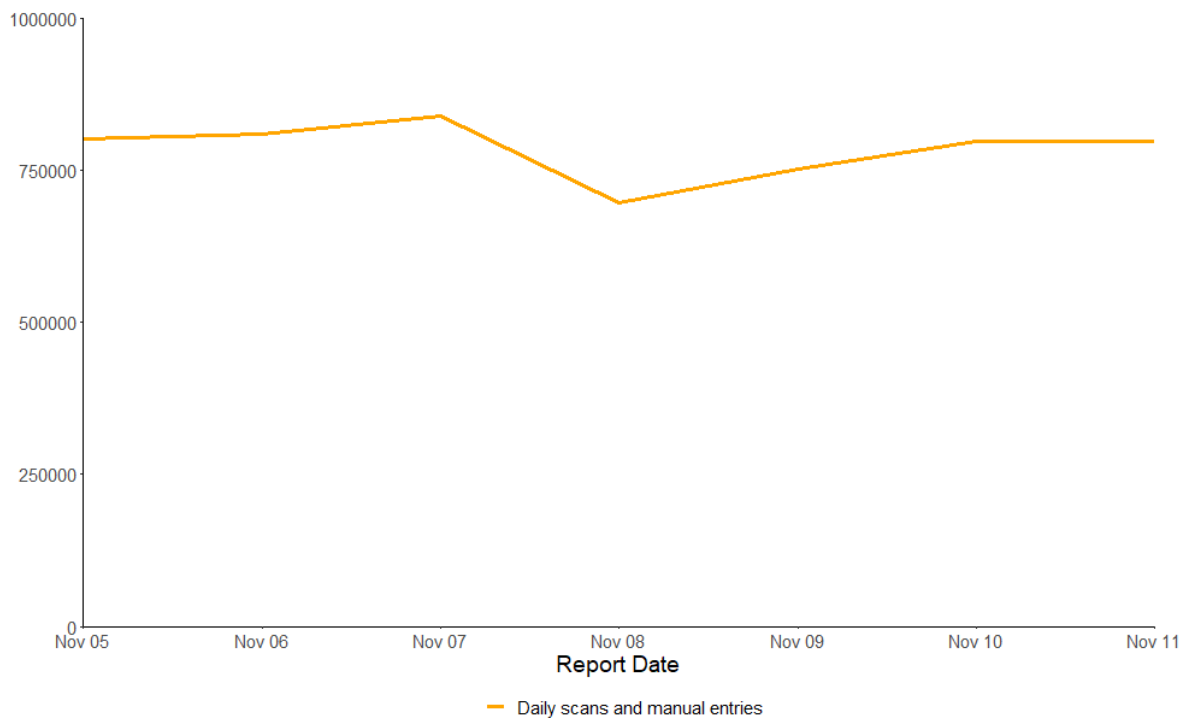


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 11 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 11 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 12 November 2020**

Grouping	Reason for test:	05 Nov	06 Nov	07 Nov	08 Nov	09 Nov	10 Nov	11 Nov	Weekly Total
Border workers	Air Crew	79	70	45	14	28	66	108	410
	Airport Staff	254	135	162	71	65	219	248	1154
	Maritime Crew	4	4	1	0	0	0	0	9
	MIF Staff	472	476	225	270	185	368	244	2240
	MIQ Staff	34	35	137	35	34	17	25	317
	Port Staff-Port of Tauranga Ltd	43	44	76	4	1	10	0	178
	Port Staff – Port of Auckland	35	29	106	19	7	62	5	263
	Port Staff-Remainder	83	71	23	0	22	78	67	344
Community	CTCs And Pop-Ups	2540	2098	1358	1130	997	2388	2408	12919
	GPs and Other Primary Health	2331	2071	1406	539	652	2271	2701	11971
Travellers	Staying At MIF	968	780	556	956	965	501	752	5478
	Staying At MIQ	13	21	21	4	4	15	23	101
Total		6856	5834	4116	3042	2960	5995	6581	35384

*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 12 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
29/10/2020	1022	357	583	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	743	313	382	2	6
2/11/2020	889	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1114	408	633	1	0
6/11/2020	993	454	480	1	0
7/11/2020	636	339	239	6	0
8/11/2020	754	119	603	1	1
9/11/2020	1061	524	497	3	0
10/11/2020	510	205	247	1	0
11/11/2020	1090	369	632	2	2

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 12 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	24	169
<b>Clinical</b>	5	6	3	14
<b>Management Plan Change</b>	2			2
<b>No Consent</b>	17	4	25	46
<b>Other**</b>	4	67	34	105
<b>Total</b>	<b>108</b>	<b>142</b>	<b>86</b>	<b>336</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 28 October to 11 November.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	348	570	1834	3066	1013	6831
Bay of Plenty	258	28	104	875	24	1289
Canterbury	298	153	541	3427	188	4607
Capital and Coast	290	267	317	1787	72	2733
Counties Manukau	757	1525	1592	1791	146	5811
Hawke's Bay	119	51	45	429	17	661
Hutt Valley	127	87	143	553	22	932
Lakes	186	11	57	313	13	580
MidCentral	135	27	56	542	37	797
Nelson Marlborough	95	29	46	763	21	954
Northland	193	15	33	420	19	680
South Canterbury	18	4	13	200	10	245
Southern	125	52	163	1429	32	1801
Tairāwhiti	96	5	29	127	6	263
Taranaki	66	7	33	392	11	509
Waikato	510	68	313	1396	48	2335
Wairarapa	27	3	6	181	3	220
Waitematā	477	454	1555	3722	84	6292
West Coast	9	0	6	51	-	66
Whanganui	24	3	7	127	7	168
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4166</b>	<b>3370</b>	<b>6898</b>	<b>21635</b>	<b>1797</b>	<b>37866</b>

Table 7: Rate per 1000 people tested for COVID-19 from 28 October to 11 November.

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	8	10.16	9.8	11.73	12.46
Bay of Plenty	4.31	6.3	5.31	5.56	5.34
Canterbury	5.68	10.79	8.9	7.68	8.03
Capital and Coast	7.94	12.04	6.32	8.4	8.5
Counties Manukau	8.5	12.7	10.53	8.56	10.2
Hawke's Bay	2.75	7.95	4.91	3.97	3.96
Hutt Valley	4.87	7.45	7.62	5.87	6.18
Lakes	4.83	4.31	5.86	5.22	5.24
MidCentral	3.71	4.87	3.61	4.38	4.4
Nelson Marlborough	5.92	11.73	6.2	6.06	6.29
Northland	3.17	3.99	3.99	3.85	3.74
South Canterbury	3.39	8.19	5.49	3.87	4.1
Southern	3.72	7.55	6.32	5.34	5.4
Tairāwhiti	3.87	4.47	24.84	5.74	5.35
Taranaki	2.83	5.03	5.3	4.36	4.21
Waikato	5.29	5.1	7.09	5.19	5.52
Wairarapa	3.38	3.61	4.81	5.07	4.81
Waitematā	7.62	10.18	10.81	9.73	9.93
West Coast	2.32	0	6.49	1.89	2.06
Whanganui	1.38	1.97	2.39	2.95	2.59
<b>Total</b>	5.4	10.5	9	7	7.6

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 1700

12 NOVEMBER 2020

### ***Statistics at a Glance***

Total Active Cases in New Zealand (Community and MIQ)

**54**

***In the Community  
(since 11 August –  
see Table 1)***

New Cases since 0900 today

**0**

Total Recovered

**187**

Total Deceased

**3**

Active Community Cases

**6**

Total Cases Since 11 August

**196**

***Imported cases in  
Managed Isolation  
and Quarantine***

New Cases since 0900 today

**1**

Total Recovered

**263**

Active MIF/MIQ Cases

**48**

Total Imported MIQ Cases

**311**

***Laboratory  
Testing***

Total Tests in Last 24 Hours

**6,581**

Total Tests over  
Last Seven Days

**35,384**

Total Laboratory Tests

**1,155,514**



## Community Case by Outbreak

Table 1: Community Case by Outbreak as at **1600 12 November 2020**

Outbreak	New cases (since 0900 12/11)	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	2
November Quarantine Cluster	1	3	3
Auckland November Case	1	1	1
<b>Total</b>	<b>2</b>	<b>196</b>	<b>6</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at **1600 12 November 2020**

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	54 (+1)	1562	20	1636 (+1)
<b>Probable</b>	0	351	5	356
<b>Total</b>	54 (+1)	1913	25	1992 (+1)

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>Auckland November Case</i> .....	4
<i>November Quarantine Cluster</i> .....	4
<i>Maritime Incident</i> .....	5
Imported Cases in Managed Isolation .....	7
<i>International Mariners</i> .....	7
Community Behaviour Indicators.....	8
<i>Healthline</i> .....	8
<i>COVID-19 App Scans</i> .....	10
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing</i> .....	11
<i>Day 3 and Day 12 testing</i> .....	12
<i>DHB Testing by Ethnicity</i> .....	13

## Cases in the Community

- There has been **zero** new community case since **0900 12 November 2020**.
- The total number of active cases in the community is **six**.

### Auckland November Case

- This case was identified this morning. On Monday 9 November, the case became symptomatic and had a phone consultation and test on the late evening of 10 November. They were advised to self-isolate. They returned a positive test today. An urgent request for genomic sequencing has been made.
- Case interview and scoping, identification of close contacts and consideration of testing requirements is underway. The case will be moved to Jet Park today.
- **Two close contacts are also being moved to Jet Park and are undergoing rapid testing.**

### November Quarantine Cluster

- Three cases have been identified in the November Quarantine Cluster: Case A worked at the Jet Park MIQ; Case B was a close contact of Case A; and Case C is a close contact of Case B.

#### Case A

- On 05 November, Case A developed symptoms and tested positive. Their last routine test on 03 November was negative, but when rerun, returned an extremely weak positive.
- Case A is in quarantine at Jet Park. All 25 of their close contacts are in isolation, with 24 having returned negative results.
- All occupants at Case A's accommodation returned negative test results.
- The source of the NZDF worker is almost certainly at JetPark. The case has been genomically linked to a family at JetPark however it is one mutation apart suggesting a missing infectious source.
- There may be an intermediary case involved; however, the investigation has revealed no evidence to support this (e.g. an intermediary case has not been identified). ARPHS is awaiting confirmation from ESR about whether the other border cases in JetPark at the time have all been sequenced in order to rule this hypothesis out with a high degree of certainty.
- **s 9(2)(a)**

#### Case B

- Case B is a close contact of Case A. Case B flew from Auckland to Wellington on 05 November. Several exposure events have been identified for Case B in Auckland and Wellington.
- Case B is in quarantine at the Grand Mercure Hotel in Wellington.
- Genomic sequencing for Case B matched with that of Case A.

- Case B's close workplace contacts and close contacts from the flight undertook day 5 tests on 11 November. All day 5 contacts have returned a negative test with the exception of Case C.

### **Case C**

- On 11 November, a close contact of Case B (Case C) tested positive after developing symptoms. Case C had been self-isolating since the evening of 07 November and returned a negative result on day 3 testing.
- Case C is in quarantine at the Grand Mercure Hotel.

### ***International Mariners (Sudima Staff Members)***


- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A began to experience the onset of minor symptoms and sought a test on 1 November, which returned a positive. They are undertaking isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel. Genotyping for Case A has been completed, Case B genotyping relates to the mariners, but differs to that of Case A.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- All staff who worked at the Sudima Hotel since 23 October were tested and returned negative test results.

### ***Maritime Incident***

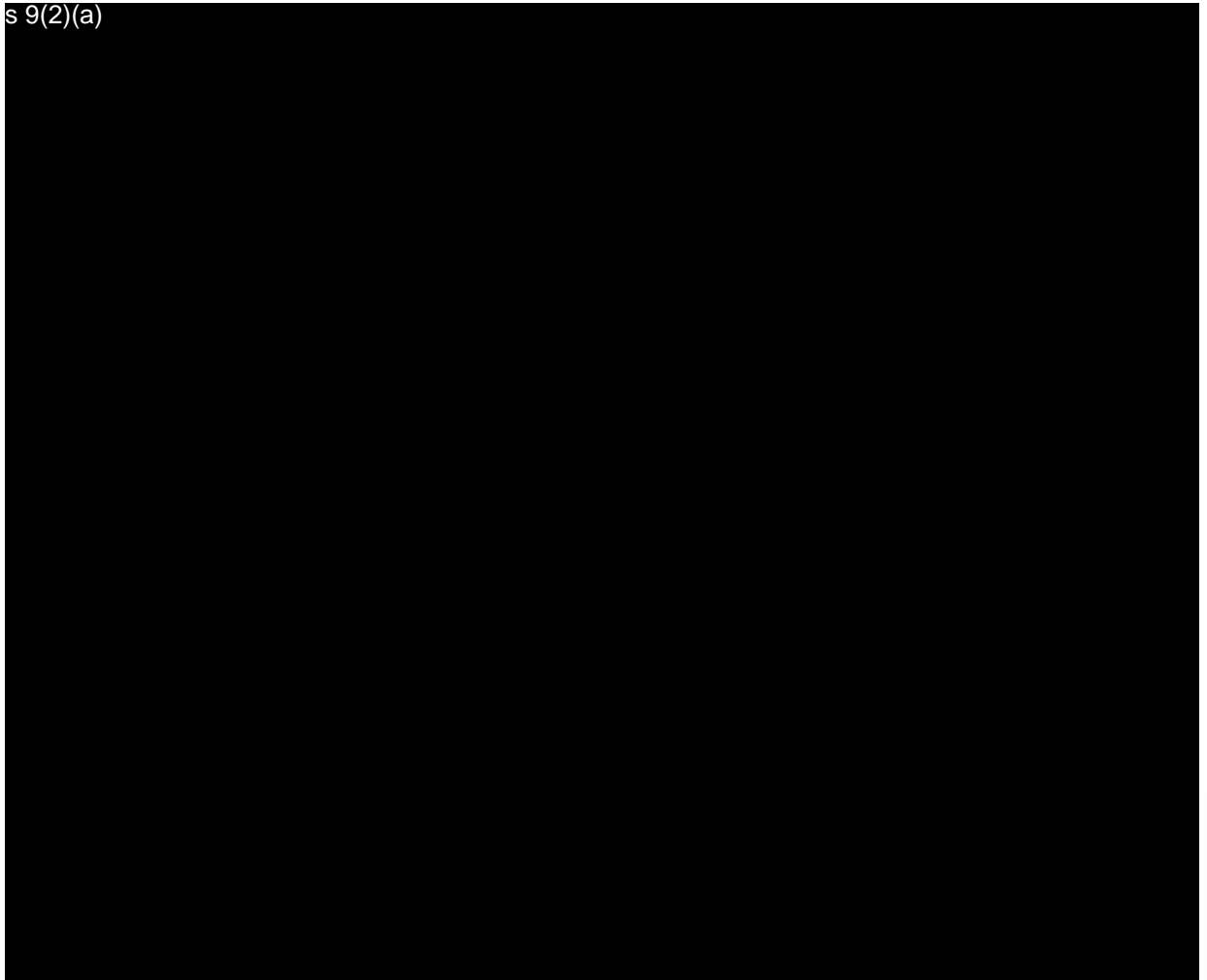
- There are no active cases associated with this event.

## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.

## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 1600 12 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
311	48

- One new case has been detected at the border since 0900 today.
  - The case arrived from the Philippines via Hong Kong on 31 October. They tested positive on day 12 and were transferred from s 9(2)(a) to Jet Park.

### *International Mariners*

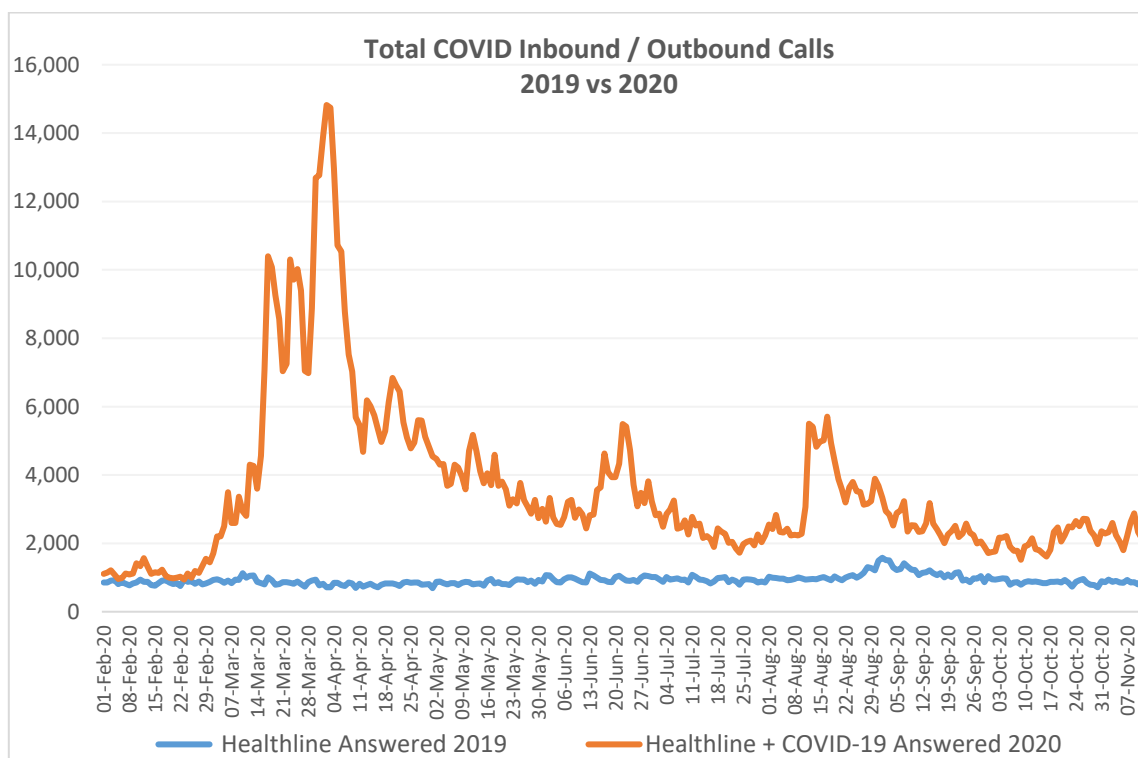
- All mariners have now departed except two who are due to depart today.

# Community Behaviour Indicators

## Healthline

- On 11 November 2020 there were 2,145 contacts in Healthline. Of those calls, 773 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 603 contacts (lower than forecasted).
- The main themes on 11 November 2020 were:
  - The biggest driver of volume continues to be misinformation in both media and social media.
  - The current community cases in Wellington and Auckland. Specific exposure events where there was significant community concern were Papakura military base, Auckland airport, the flight (casual vs. close definition) and the Wellington restaurant (confusion over which outlet).
  - Continued to receive calls related to the test requirement changes for passengers who are flying back to China as issued by the Chinese embassy.

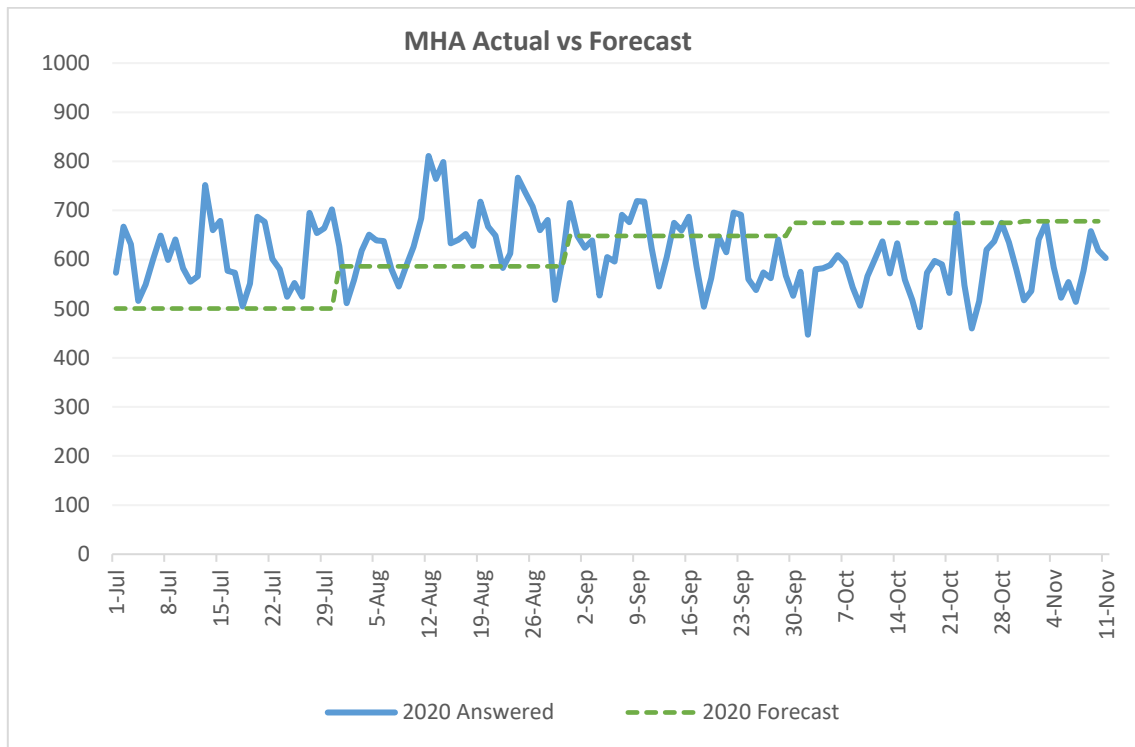
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



## Healthline Mental Health Response

On 11 November 2020, demand on 1737 and other mental health services was higher compared to the same day last year - in total circa 603 calls were answered, compared to 484 on the same day last year.

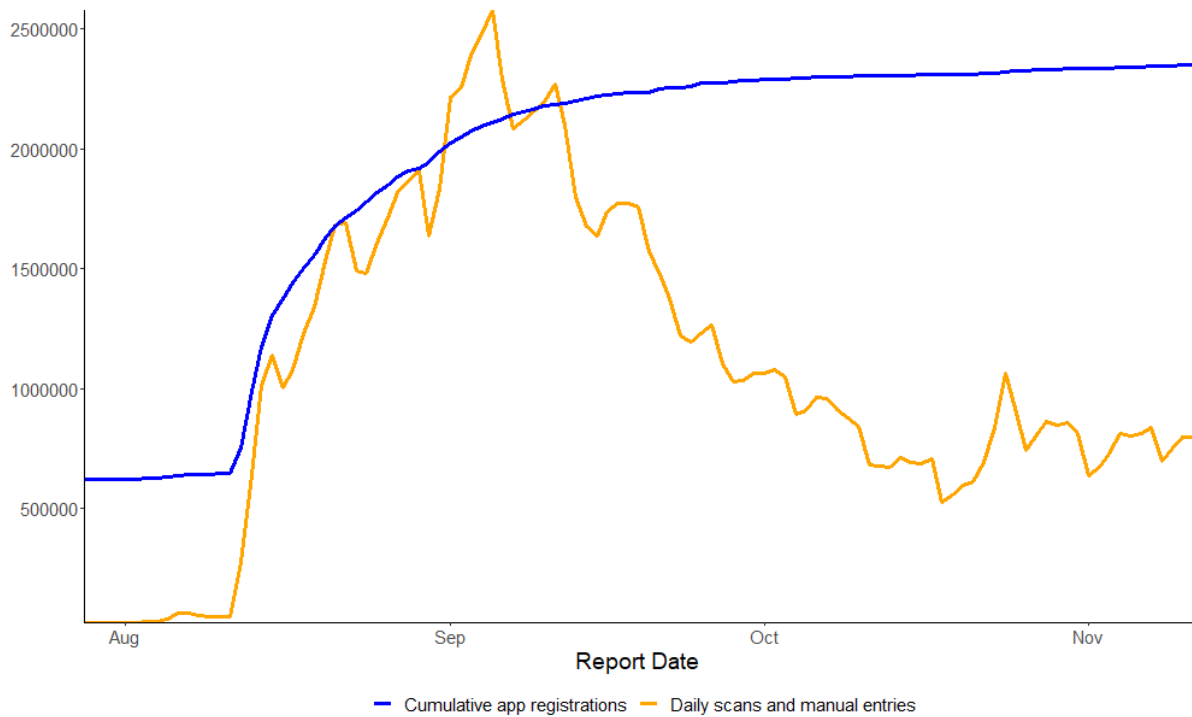
**Figure 2: Healthline Mental Health Response**



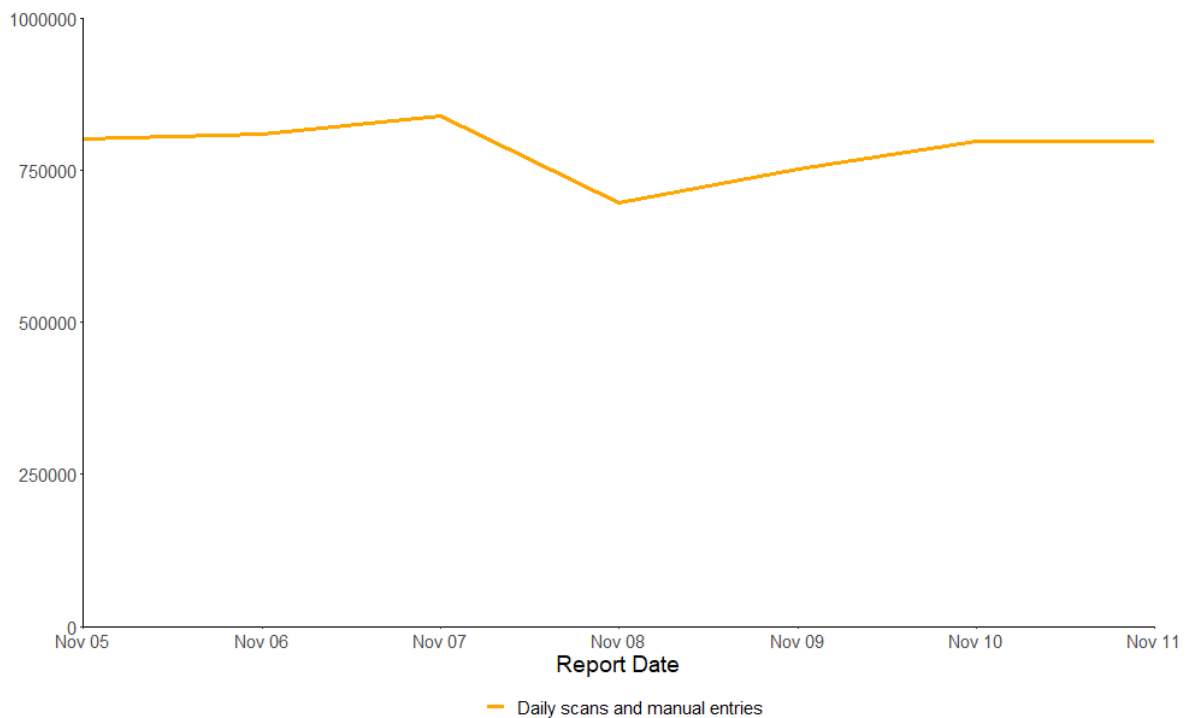


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 11 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 11 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 12 November 2020**

Grouping	Reason for test:	05 Nov	06 Nov	07 Nov	08 Nov	09 Nov	10 Nov	11 Nov	Weekly Total
Border workers	Air Crew	79	70	45	14	28	66	108	410
	Airport Staff	254	135	162	71	65	219	248	1154
	Maritime Crew	4	4	1	0	0	0	0	9
	MIF Staff	472	476	225	270	185	368	244	2240
	MIQ Staff	34	35	137	35	34	17	25	317
	Port Staff-Port of Tauranga Ltd	43	44	76	4	1	10	0	178
	Port Staff – Port of Auckland	35	29	106	19	7	62	5	263
	Port Staff-Remainder	83	71	23	0	22	78	67	344
Community	CTCs And Pop-Ups	2540	2098	1358	1130	997	2388	2408	12919
	GPs and Other Primary Health	2331	2071	1406	539	652	2271	2701	11971
Travellers	Staying At MIF	968	780	556	956	965	501	752	5478
	Staying At MIQ	13	21	21	4	4	15	23	101
Total		6856	5834	4116	3042	2960	5995	6581	35384

*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 12 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
29/10/2020	1022	357	583	0	1
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	743	313	382	2	6
2/11/2020	889	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1114	408	633	1	0
6/11/2020	993	454	480	1	0
7/11/2020	636	339	239	6	0
8/11/2020	754	119	603	1	1
9/11/2020	1061	524	497	3	0
10/11/2020	510	205	247	1	0
11/11/2020	1090	369	632	2	2

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 12 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	24	<b>169</b>
<b>Clinical</b>	5	6	3	<b>14</b>
<b>Management Plan Change</b>	2			<b>2</b>
<b>No Consent</b>	17	4	25	<b>46</b>
<b>Other**</b>	4	67	34	<b>105</b>
<b>Total</b>	<b>108</b>	<b>142</b>	<b>86</b>	<b>336</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 28 October to 11 November.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	348	570	1834	3066	1013	6831
Bay of Plenty	258	28	104	875	24	1289
Canterbury	298	153	541	3427	188	4607
Capital and Coast	290	267	317	1787	72	2733
Counties Manukau	757	1525	1592	1791	146	5811
Hawke's Bay	119	51	45	429	17	661
Hutt Valley	127	87	143	553	22	932
Lakes	186	11	57	313	13	580
MidCentral	135	27	56	542	37	797
Nelson Marlborough	95	29	46	763	21	954
Northland	193	15	33	420	19	680
South Canterbury	18	4	13	200	10	245
Southern	125	52	163	1429	32	1801
Tairāwhiti	96	5	29	127	6	263
Taranaki	66	7	33	392	11	509
Waikato	510	68	313	1396	48	2335
Wairarapa	27	3	6	181	3	220
Waitematā	477	454	1555	3722	84	6292
West Coast	9	0	6	51	-	66
Whanganui	24	3	7	127	7	168
Unknown	-	-	-	-	-	-
<b>Total</b>	4166	3370	6898	21635	1797	37866

Table 7: Rate per 1000 people tested for COVID-19 from 28 October to 11 November.

	Prioritised ethnicity MPAO				
<b>DHB of domicile</b>	<b>Māori</b>	<b>Pacific</b>	<b>Asian</b>	<b>Other</b>	<b>Total</b>
Auckland	8	10.16	9.8	11.73	12.46
Bay of Plenty	4.31	6.3	5.31	5.56	5.34
Canterbury	5.68	10.79	8.9	7.68	8.03
Capital and Coast	7.94	12.04	6.32	8.4	8.5
Counties Manukau	8.5	12.7	10.53	8.56	10.2
Hawke's Bay	2.75	7.95	4.91	3.97	3.96
Hutt Valley	4.87	7.45	7.62	5.87	6.18
Lakes	4.83	4.31	5.86	5.22	5.24
MidCentral	3.71	4.87	3.61	4.38	4.4
Nelson Marlborough	5.92	11.73	6.2	6.06	6.29
Northland	3.17	3.99	3.99	3.85	3.74
South Canterbury	3.39	8.19	5.49	3.87	4.1
Southern	3.72	7.55	6.32	5.34	5.4
Tairāwhiti	3.87	4.47	24.84	5.74	5.35
Taranaki	2.83	5.03	5.3	4.36	4.21
Waikato	5.29	5.1	7.09	5.19	5.52
Wairarapa	3.38	3.61	4.81	5.07	4.81
Waitematā	7.62	10.18	10.81	9.73	9.93
West Coast	2.32	0	6.49	1.89	2.06
Whanganui	1.38	1.97	2.39	2.95	2.59
<b>Total</b>	5.4	10.5	9	7	7.6

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 1030

13 NOVEMBER 2020

### ***Statistics at a Glance***

Total Active Cases in New Zealand (Community and MIQ)

**53**

***In the Community  
(since 11 August –  
see Table 1)***

New Cases since 0900  
Yesterday

**0**

Total Recovered

**188**

Total Deceased

**3**

Active Community Cases

**5**

Total Cases Since 11 August

**196**

***Imported cases in  
Managed Isolation  
and Quarantine***

New Cases since 0900  
Yesterday

**4**

Total Recovered

**266**

Active MIF/MIQ Cases

**48**

Total Imported MIQ Cases

**314**

***Laboratory  
Testing***

Total Tests in Last 24 Hours

**7,226**

Total Tests over  
Last Seven Days

**35,754**

Total Laboratory Tests

**1,162,740**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at 0900 13 November 2020

Outbreak	New cases (since 0900 12/11)	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	1
November Quarantine Cluster	0	3	3
Auckland November Case	0	1	1
<b>Total</b>	<b>0</b>	<b>196</b>	<b>5</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at 0900 13 November 2020

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	53	1566 (+4)	20	1639 (+4)
<b>Probable</b>	0	351	5	356
<b>Total</b>	53	1917 (+4)	25	1995 (+4)

\*1 new case, 3 historic cases and 4 recoveries

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>Auckland November Case .....</i>	<i>4</i>
<i>November Quarantine Cluster .....</i>	<i>4</i>
<i>Maritime Incident .....</i>	<i>5</i>
Imported Cases in Managed Isolation.....	7
<i>Historic Cases.....</i>	<i>7</i>
<i>International Mariners.....</i>	<i>7</i>
Community Behaviour Indicators .....	8
<i>Healthline .....</i>	<i>8</i>
<i>COVID-19 App Scans .....</i>	<i>10</i>
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing.....</i>	<i>11</i>
<i>Day 3 and Day 12 testing.....</i>	<i>12</i>
<i>DHB Testing by Ethnicity.....</i>	<i>13</i>



## Cases in the Community

- There has been **no** new community case since **12 November 2020**.
- The total number of active cases in the community is **five**.

### Auckland November Case

- This case was identified on the morning of 12 November. On Monday 09 November, the case became symptomatic and had a phone consultation and test in the late evening on 10 November.
- **Preliminary results from the genomic sequencing indicate the B.1.3.6 lineage, which is the same genomic sequence as Case A of November Quarantine Cluster.**
- Case interview and scoping, identification of close contacts and consideration of testing requirements is underway. **At this stage, 5 close contacts have been identified.**
- **s 9(2)(a)**
- **Senior health officials have been deployed to the case's apartment to provide public health messaging and guidance.**
- **Four additional testing stations have been stood up; City Centre Community Testing Centre; Victoria Park Community Testing Centre; The Doctors QuayMed Britomart Community Testing Centre and Wynyard Quarter Carpark Community Testing Centre.**
- **Existing CTCs and GP Clinics around the greater Auckland area continue to provide testing services and report steady volumes. Public messaging continues to advise people to be tested at their nearest facility.**

### November Quarantine Cluster

- Three cases have been identified in the November Quarantine Cluster: Case A worked at the Jet Park MIQ; Case B was a close contact of Case A; and Case C is a close contact of Case B.

#### Case A

- On 05 November, Case A developed symptoms and tested positive. Their last routine test on 03 November was negative, but when rerun, returned an extremely weak positive.
- Case A is in quarantine at Jet Park. All 25 of their close contacts are in isolation, with 24 having returned negative results.
- All occupants at Case A's accommodation returned negative test results.
- The source of the NZDF worker is almost certainly at JetPark. The case has been genomically linked to a family at JetPark however it is one mutation apart suggesting a missing infectious source.
- There may be an intermediary case involved; however, the investigation has revealed no evidence to support this (e.g. an intermediary case has not been identified). ARPHS is awaiting confirmation from ESR about whether the other border cases in JetPark at the time have all been sequenced in order to rule this hypothesis out with a high degree of certainty.
- **s 9(2)(a)**

#### Case B

- Case B is a close contact of Case A. Case B flew from Auckland to Wellington on 05 November. Several exposure events have been identified for Case B in Auckland and Wellington.
- Case B is in quarantine at the Grand Mercure Hotel in Wellington.
- Genomic sequencing for Case B matched with that of Case A.
- Case B's close workplace contacts and close contacts from the flight undertook day 5 tests on 11 November. All day 5 contacts have returned a negative test with the exception of Case C.

### **Case C**

- On 11 November, a close contact of Case B (Case C) tested positive after developing symptoms. Case C had been self-isolating since the evening of 07 November and returned a negative result on day 3 testing.
- Case C is in quarantine at the Grand Mercure Hotel.

### ***International Mariners (Sudima Staff Members)***


- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A began to experience the onset of minor symptoms and sought a test on 1 November, which returned a positive. They are undertaking isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel. Genotyping for Case A has been completed, Case B genotyping relates to the mariners, but differs to that of Case A.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- **One case has now recovered.**
- All staff who worked at the Sudima Hotel since 23 October were tested and returned negative test results.

### ***Maritime Incident***

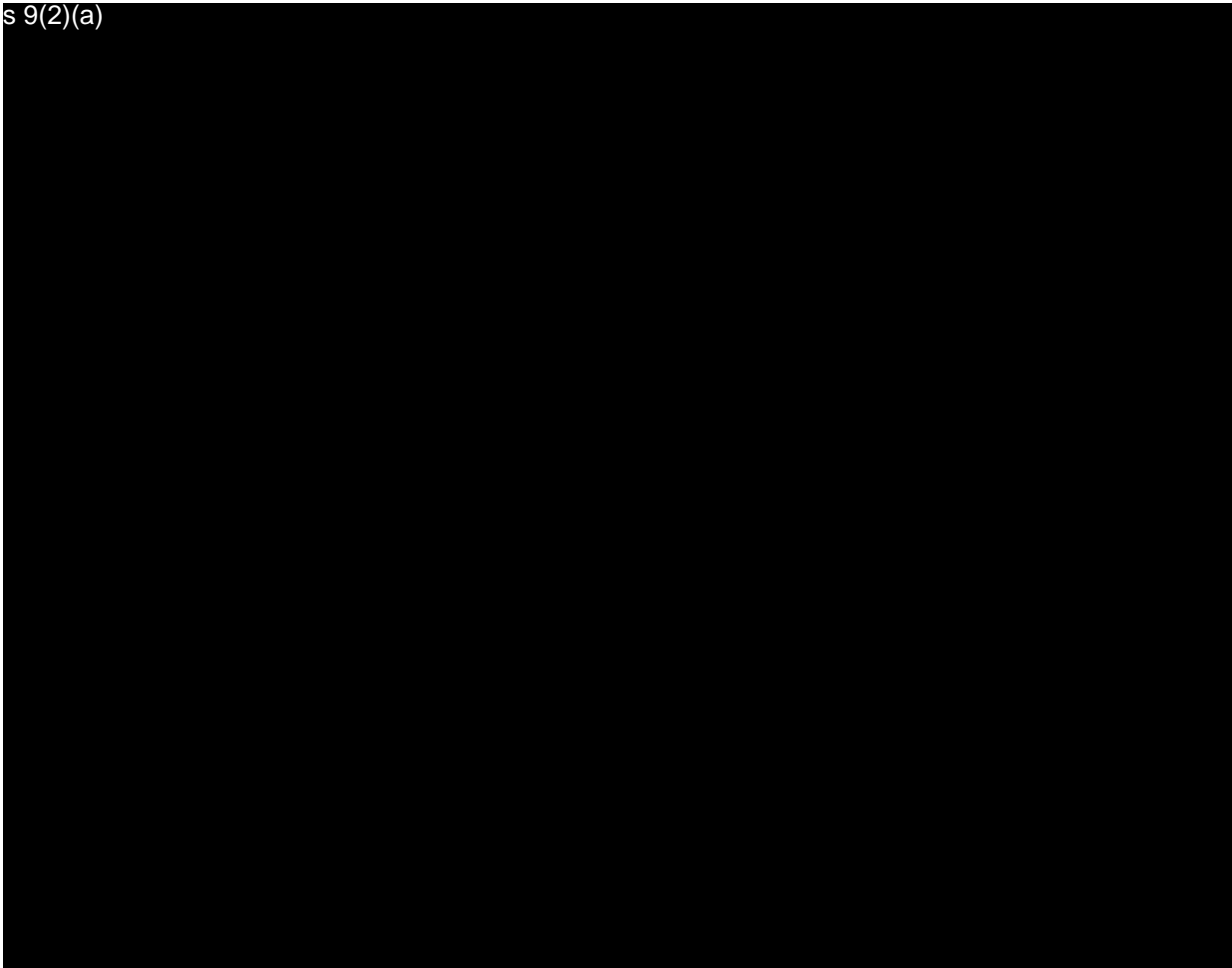
- There are no active cases associated with this event.

## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.

## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 13 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
314	48

- One new case has been detected at the border since 0900 12 November.
  - Case 1 arrived from the Philippines via Hong Kong on 31 October. They tested positive on Day 12 and were transferred from the s 9(2)(a) to Jet Park.

### Historic Cases

- Three cases have been classified as historic cases. All three were staying at s 9(2)(a) in Christchurch.
- Case 1 returned with a high Ct value and has a health status of recovered.
- Case 2 was unwell in early October in Mexico. They were in managed isolation from 29 October to 12 November and their Day 12 test returned with a Ct value of 20. The case was asymptomatic and has a health status of recovered.
- Case 3 arrived from Los Angeles on 29 October and was in managed isolation from 29 October to 12 November. Their Day 12 test returned with a Ct value of 30.4. The case was asymptomatic and has a health status of recovered.

### International Mariners

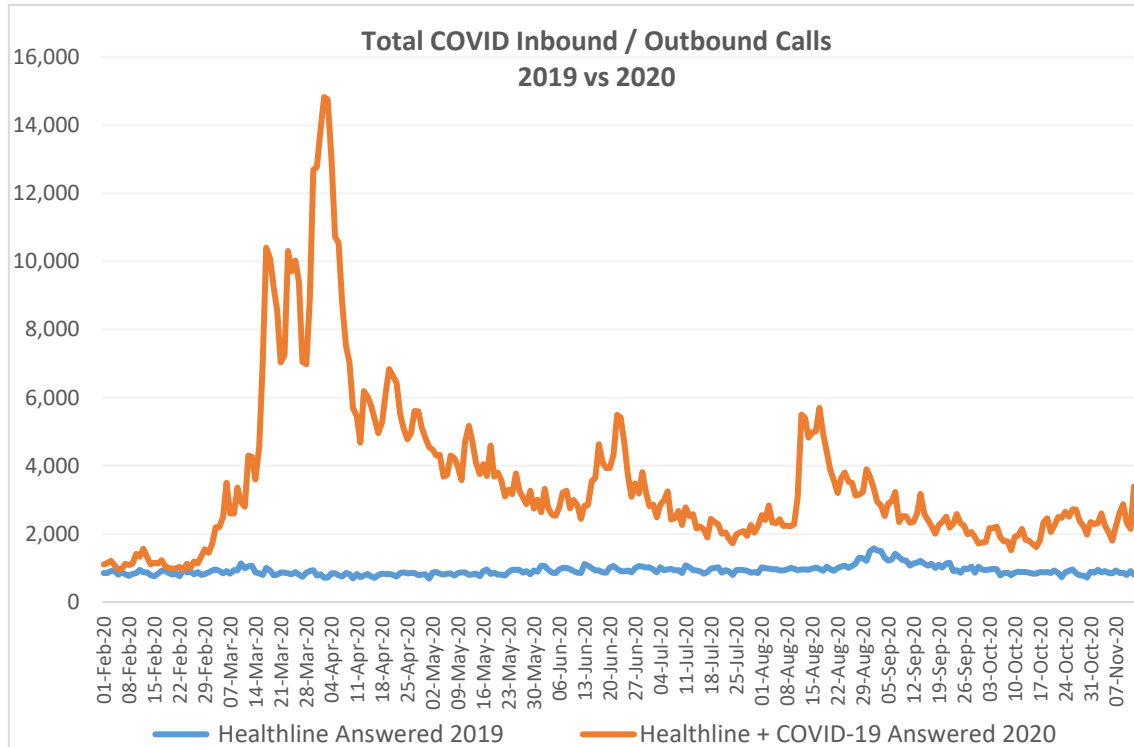
- All mariners have now departed.

# Community Behaviour Indicators

## Healthline

- On 12 November 2020 there were 3,386 contacts in Healthline. Of those calls, 1,967 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 554 contacts (lower than forecasted).
- The main themes on 12 November 2020 were:
  - The biggest driver of volume related to the new Auckland case.
  - There was confusion around:
    - Advice for different exposure events
    - Definition of the CBD
    - Rumours on level changes
  - Calls from family, friends and contacts of the new case wanting further information about what they were required to do
  - Calls from employers
  - Referrals for close contacts (69 of those from the apartments)
  - Continued to receive calls related to the test requirement changes for passengers who are flying back to China as issued by the Chinese embassy

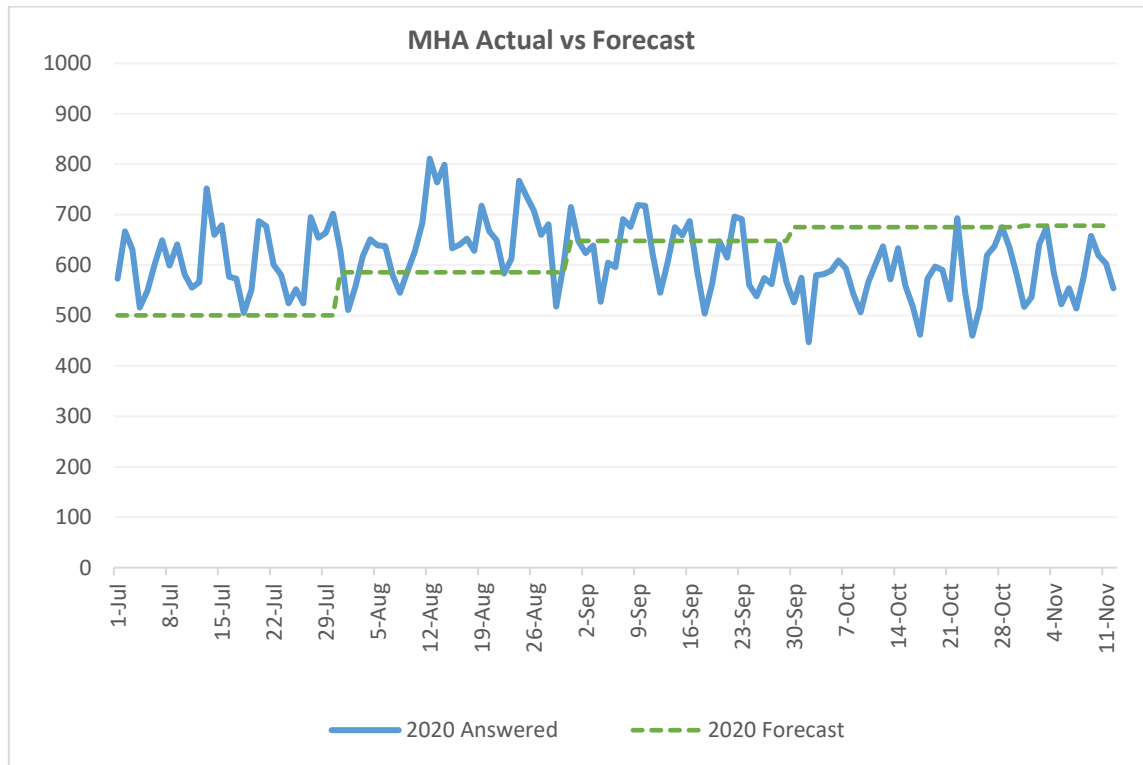
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



## Healthline Mental Health Response

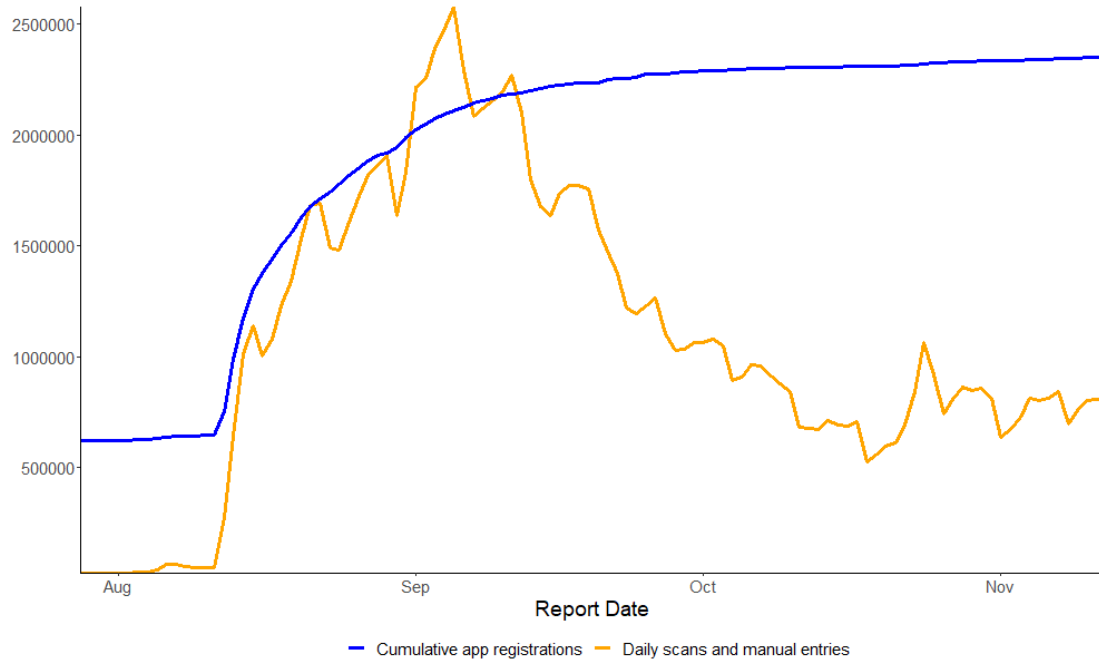
On 12 November 2020, demand on 1737 and other mental health services was higher compared to the same day last year - in total circa 554 calls were answered, compared to 469 on the same day last year.

**Figure 2: Healthline Mental Health Response**

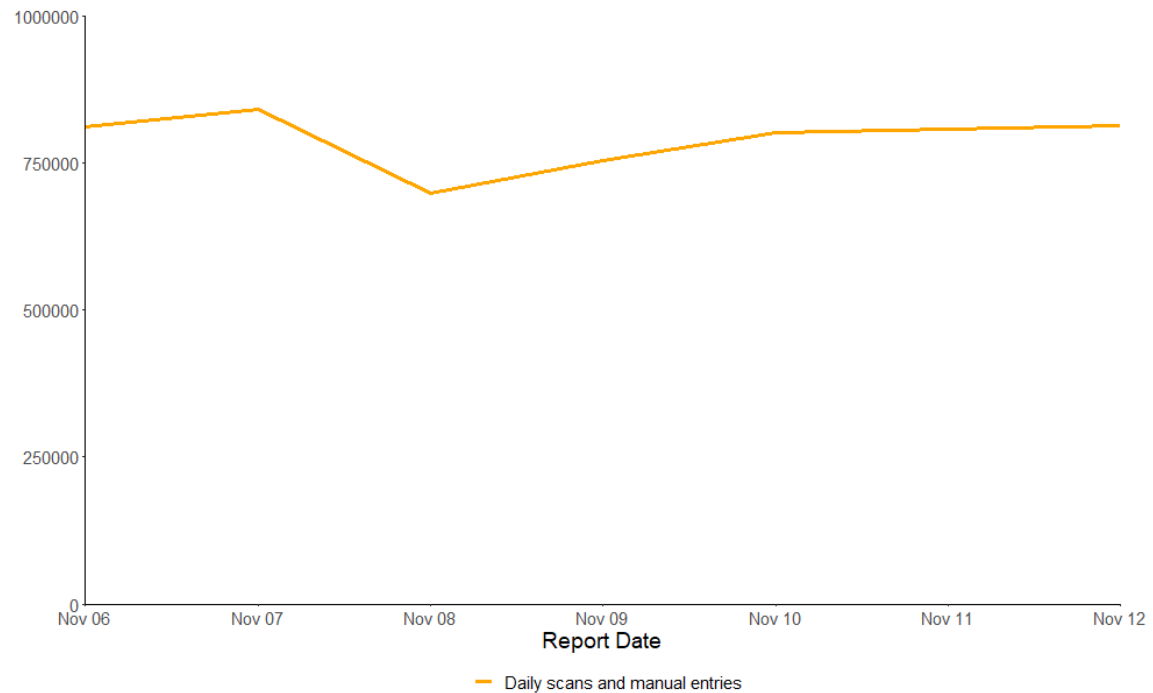


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 12 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 12 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 13 November 2020**

Grouping	Reason for test:	06 Nov	07 Nov	08 Nov	09 Nov	10 Nov	11 Nov	12 Nov	Weekly Total
Border workers	Air Crew	70	45	14	28	66	108	28	359
	Airport Staff	135	162	71	65	219	248	158	1058
	Maritime Crew	4	1	0	0	0	0	4	9
	MIF Staff	476	225	270	185	368	244	532	2300
	MIQ Staff	35	137	35	34	17	25	30	313
	Port Staff-Port of Tauranga Ltd	44	76	4	1	10	0	51	186
	Port Staff – Port of Auckland	29	106	19	7	62	5	97	325
	Port Staff-Remainder	71	23	0	22	78	67	71	332
Community	CTCs And Pop-Ups	2151	1371	1134	1020	2433	2536	2420	13065
	GPs and Other Primary Health	2018	1393	535	629	2227	2573	2548	11923
Travellers	Staying At MIF	780	556	956	965	501	752	1268	5778
	Staying At MIQ	21	21	4	4	15	23	19	107
Total		5834	4116	3042	2960	5996	6581	7226	35755



*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 13 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	743	313	382	2	6
2/11/2020	889	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1114	408	633	1	0
6/11/2020	992	454	480	1	0
7/11/2020	636	339	239	6	0
8/11/2020	754	119	603	1	1
9/11/2020	1061	524	497	3	0
10/11/2020	510	205	247	1	0
11/11/2020	1090	369	632	2	2
12/11/2020	1272	555	646	1	2

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 13 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	25	170
<b>Clinical</b>	5	6	3	14
<b>Management Plan Change</b>	2			2
<b>No Consent</b>	17	4	25	46
<b>Other**</b>	4	67	43	114
<b>Total</b>	<b>108</b>	<b>142</b>	<b>96</b>	<b>346</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 29 October to 12 November.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	345	582	1782	3041	1016	6766
Bay of Plenty	281	35	104	913	29	1362
Canterbury	288	147	538	3358	200	4531
Capital and Coast	302	274	325	1858	79	2838
Counties Manukau	755	1507	1578	1756	126	5722
Hawke's Bay	111	45	46	434	19	655
Hutt Valley	124	91	139	573	23	950
Lakes	183	11	53	317	14	578
MidCentral	138	26	54	566	34	818
Nelson Marlborough	98	22	43	771	21	955
Northland	199	13	32	411	21	676
South Canterbury	15	3	14	197	10	239
Southern	123	49	163	1402	34	1771
Tairāwhiti	97	5	27	127	6	262
Taranaki	68	7	29	383	12	499
Waikato	497	65	320	1341	51	2274
Wairarapa	31	6	5	182	3	227
Waitematā	466	439	1482	3610	89	6086
West Coast	9	0	6	47	-	62
Whanganui	28	4	7	137	7	183
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4166</b>	<b>3344</b>	<b>6751</b>	<b>21470</b>	<b>1819</b>	<b>37550</b>

Table 7: Rate per 1000 people tested for COVID-19 from 29 October to 12 November.

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	7.93	10.38	9.52	11.63	12.34
Bay of Plenty	4.7	7.87	5.31	5.8	5.65
Canterbury	5.49	10.37	8.85	7.53	7.9
Capital and Coast	8.27	12.36	6.47	8.73	8.82
Counties Manukau	8.48	12.55	10.44	8.39	10.05
Hawke's Bay	2.57	7.01	5.02	4.02	3.93
Hutt Valley	4.76	7.79	7.41	6.08	6.3
Lakes	4.76	4.31	5.45	5.29	5.22
MidCentral	3.79	4.69	3.48	4.57	4.51
Nelson Marlborough	6.11	8.9	5.79	6.13	6.29
Northland	3.27	3.46	3.87	3.77	3.72
South Canterbury	2.82	6.14	5.92	3.81	3.99
Southern	3.66	7.12	6.32	5.24	5.31
Tairāwhiti	3.91	4.47	23.13	5.74	5.33
Taranaki	2.91	5.03	4.66	4.26	4.13
Waikato	5.16	4.88	7.25	4.98	5.38
Wairarapa	3.89	7.22	4.01	5.1	4.96
Waitematā	7.45	9.84	10.31	9.44	9.61
West Coast	2.32	0	6.49	1.74	1.94
Whanganui	1.61	2.63	2.39	3.18	2.82
<b>Total</b>	<b>5.4</b>	<b>10.5</b>	<b>8.8</b>	<b>6.9</b>	<b>7.6</b>

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 1700

13 NOVEMBER 2020

### ***Statistics at a Glance***

Total Active Cases in New Zealand (Community and MIQ)

**54**

***In the Community  
(since 11 August –  
see Table 1)***

New Cases since 0900 Today

**0**

Total Recovered

**188**

Total Deceased

**3**

Active Community Cases

**5**

Total Cases Since 11 August

**196**

***Imported cases in  
Managed Isolation  
and Quarantine***

New Cases since 0900 Today

**1**

Total Recovered

**266**

Active MIF/MIQ Cases

**49**

Total Imported MIQ Cases

**315**

***Laboratory  
Testing***

Total Tests in Last 24 Hours

**7,226**

Total Tests over  
Last Seven Days

**35,754**

Total Laboratory Tests

**1,162,740**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at **1600 13 November 2020**

Outbreak	New cases (since 0900 12/11)	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	1
November Quarantine Cluster	0	3	3
Auckland November Case	0	1	1
<b>Total</b>	<b>0</b>	<b>196</b>	<b>5</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at **1600 13 November 2020**

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	54	1566 (+4)	20	1640 (+1)
<b>Probable</b>	0	351	5	356
<b>Total</b>	54	1917 (+4)	25	1996 (+1)*

\*1 new case

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>Auckland November Case</i> .....	4
<i>November Quarantine Cluster</i> .....	4
<i>Maritime Incident</i> .....	6
Imported Cases in Managed Isolation.....	7
<i>International Mariners</i> .....	7
Community Behaviour Indicators .....	8
<i>Healthline</i> .....	8
<i>COVID-19 App Scans</i> .....	10
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing</i> .....	11
<i>Day 3 and Day 12 testing</i> .....	12
<i>DHB Testing by Ethnicity</i> .....	13

## Cases in the Community

- There has been **no** new community case since **12 November 2020**.
- The total number of active cases in the community is **five**.

### Auckland November Case

- **In future reports, this case will be referred to as Case D of the November Quarantine Cluster.** Preliminary results from the genomic sequencing indicate the B.1.3.6 lineage, which is the same genomic sequence as Case A of November Quarantine Cluster.
- This case was identified on the morning of 12 November. On Monday 09 November, the case became symptomatic and had a phone consultation and test in the late evening on 10 November.
- Case interview and scoping, identification of close contacts and consideration of testing requirements is underway.
- At this stage, 5 close contacts have been identified. **3 close contacts have returned a negative test.**
- **The case has moved to Jet Park.**
- Senior health protection officers have been deployed to the case's apartment (Vincent Residences) to provide public health messaging and guidance. **Health staff will remain at the apartment until 8pm and will return tomorrow.**
- **ARPHS has provided advice to all occupants at the Vincent Residences on where to seek assistance for welfare and health concerns. Another welfare letter will be provided tonight, and an additional letter will be provided tomorrow informing the residents of the test status. 101 residents have returned a negative test, with 72 results pending.**
- **Posters have been sent to all locations of interest displaying appropriate health advice, including testing information.**
- **The Source Attribution Investigation continues in an effort to identify the epidemiological link between cases A and D. This investigation is being led by ARPHS with assistance from NZ Police, providing investigative and intelligence resources.**
- Four additional testing stations have been stood up; City Centre Community Testing Centre (CTC); Victoria Park CTC; The Doctors QuayMed Britomart CTC and Wynyard Quarter Carpark CTC.
- Existing CTCs and GP Clinics around the greater Auckland area continue to provide testing services and report steady volumes. Public messaging continues to advise people to be tested at their nearest facility.

### November Quarantine Cluster

- Three cases have been identified in the November Quarantine Cluster: Case A worked at the Jet Park MIQ; Case B was a close contact of Case A; and Case C is a close contact of Case B.

#### Case A

- On 05 November, Case A developed symptoms and tested positive. Their last routine test on 03 November was negative, but when rerun, returned an extremely weak positive.
- Case A is in quarantine at Jet Park. All 25 of their close contacts are in isolation, with 24 having returned negative results.

- All occupants at Case A's accommodation returned negative test results.
- The source of the NZDF worker is almost certainly at JetPark. The case has been genomically linked to a family at JetPark however it is one mutation apart suggesting a missing infectious source.
- There may be an intermediary case involved; however, the investigation has revealed no evidence to support this (e.g. an intermediary case has not been identified). ARPHS is awaiting confirmation from ESR about whether the other border cases in JetPark at the time have all been sequenced in order to rule this hypothesis out with a high degree of certainty.
- s 9(2)(a)

### **Case B**

- Case B is a close contact of Case A. Case B flew from Auckland to Wellington on 05 November. Several exposure events have been identified for Case B in Auckland and Wellington.
- Case B is in quarantine at the Grand Mercure Hotel in Wellington.
- Genomic sequencing for Case B matched with that of Case A.
- Case B's close workplace contacts and close contacts from the flight undertook day 5 tests on 11 November. All day 5 contacts have returned a negative test with the exception of Case C.

### **Case C**

- On 11 November, a close contact of Case B (Case C) tested positive after developing symptoms. Case C had been self-isolating since the evening of 07 November and returned a negative result on day 3 testing.
- Case C is in quarantine at the Grand Mercure Hotel.

### ***International Mariners (Sudima Staff Members)***

- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A began to experience the onset of minor symptoms and sought a test on 1 November, which returned a positive. They are undertaking isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel. Genotyping for Case A has been completed, Case B genotyping relates to the mariners, but differs to that of Case A.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- One case has now recovered.
- All staff who worked at the Sudima Hotel since 23 October were tested and returned negative test results.




### *Maritime Incident*

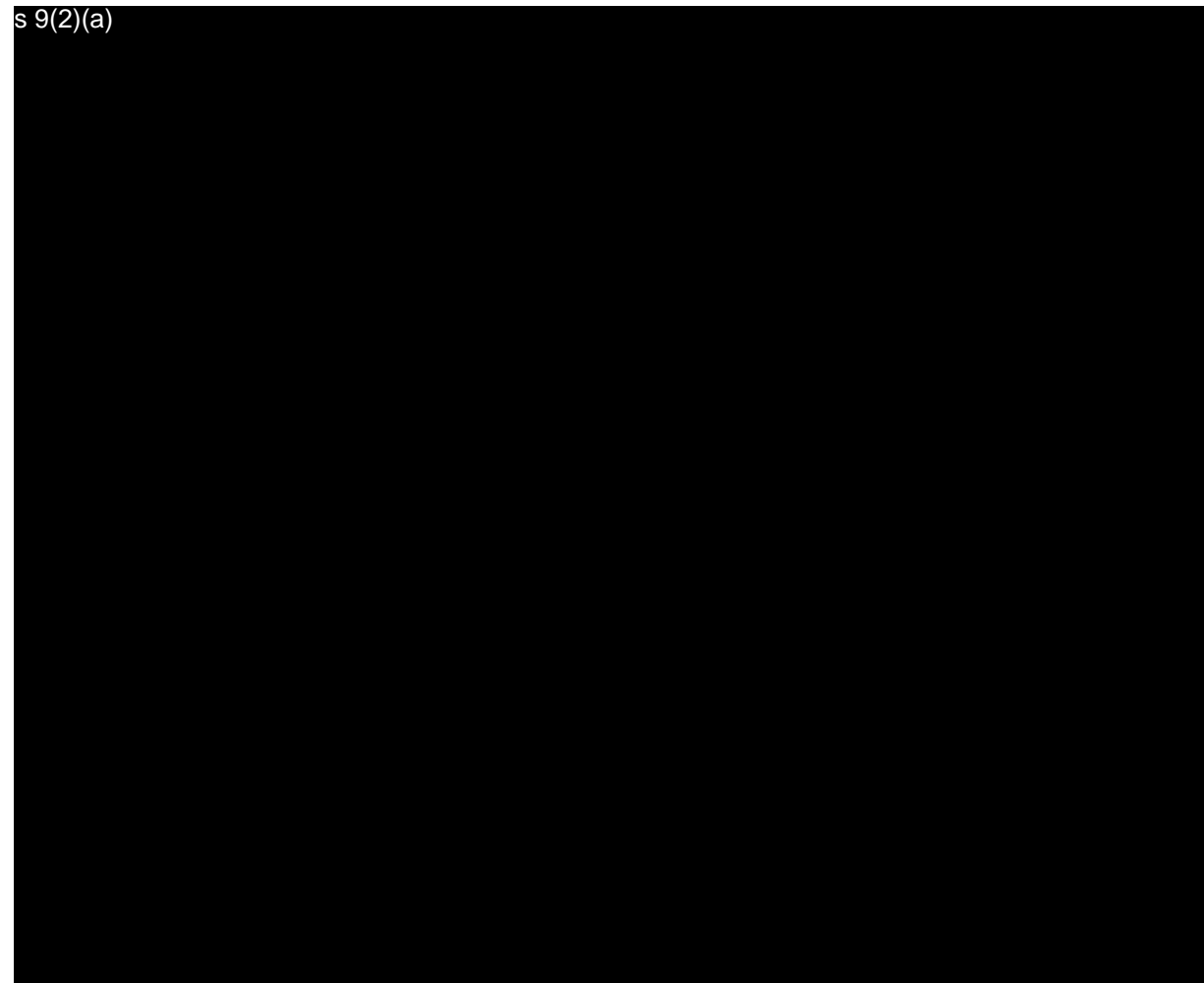
- There are no active cases associated with this event.

### *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the 'Community Case Contact Testing' header.

## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 1630 13 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
315	49

- One new case has been detected at the border since 0900 13 November.
  - Case 1 arrived from England via Hong Kong on 12 November. They were tested day 1 and have been at Jet Park since arrival.

### *International Mariners*

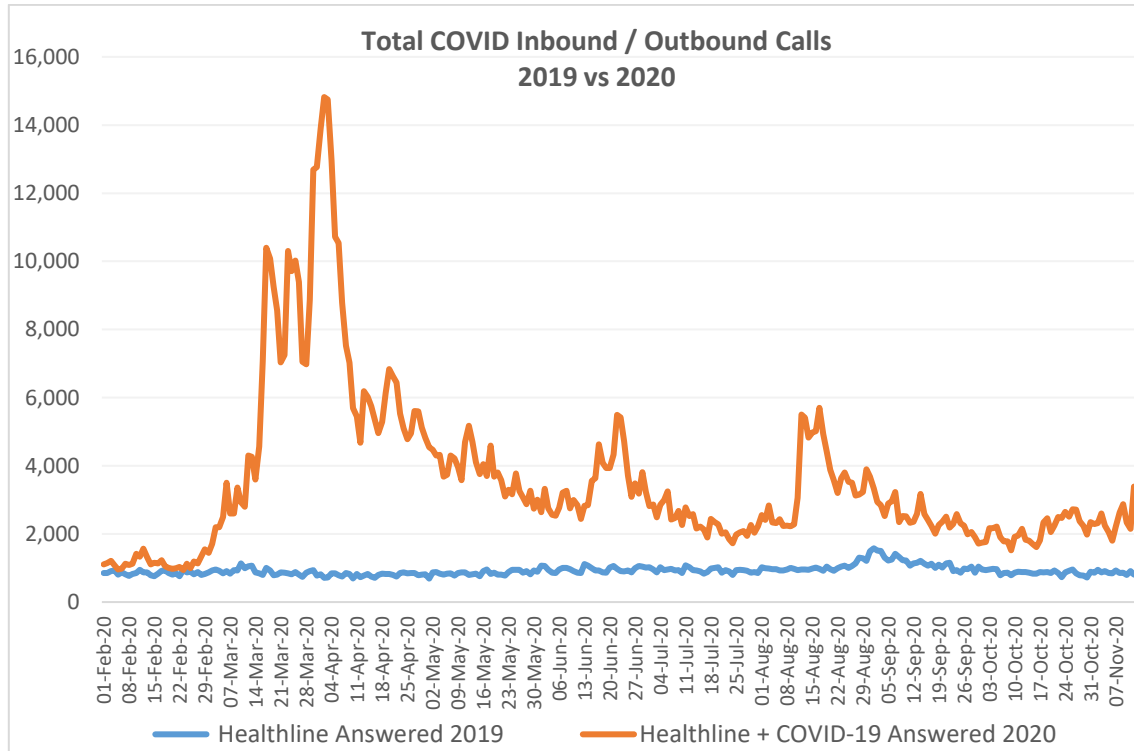
- All mariners have now departed.

# Community Behaviour Indicators

## Healthline

- On 12 November 2020 there were 3,386 contacts in Healthline. Of those calls, 1,967 were to the COVID-19 Info line. Demand on 1737 Need to talk? and other mental health services was 554 contacts (lower than forecasted).
- The main themes on 12 November 2020 were:
  - The biggest driver of volume related to the new Auckland case.
  - There was confusion around:
    - Advice for different exposure events
    - Definition of the CBD
    - Rumours on level changes
  - Calls from family, friends and contacts of the new case wanting further information about what they were required to do
  - Calls from employers
  - Referrals for close contacts (69 of those from the apartments)
  - Continued to receive calls related to the test requirement changes for passengers who are flying back to China as issued by the Chinese embassy

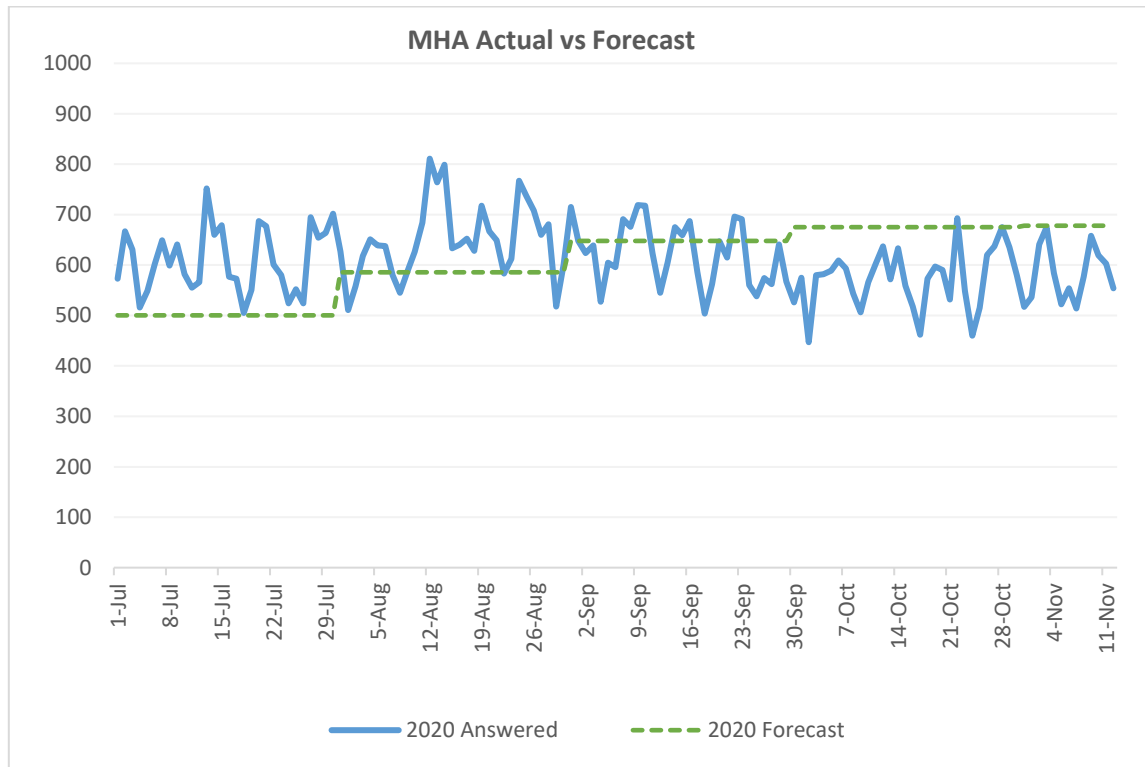
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



## Healthline Mental Health Response

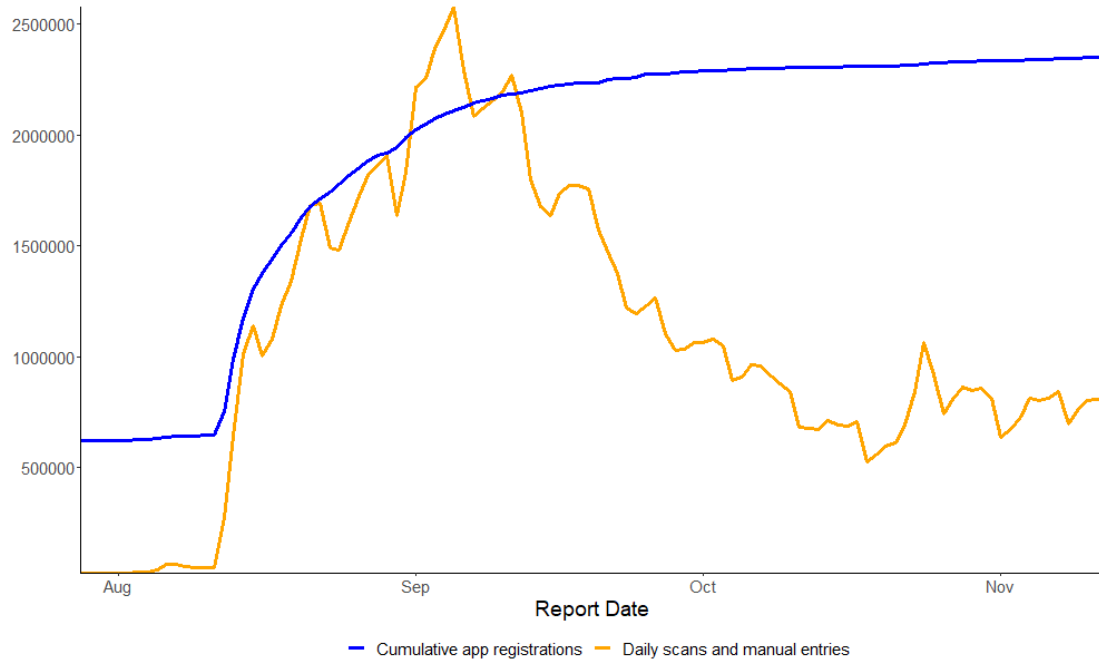
On 12 November 2020, demand on 1737 and other mental health services was higher compared to the same day last year - in total circa 554 calls were answered, compared to 469 on the same day last year.

**Figure 2: Healthline Mental Health Response**

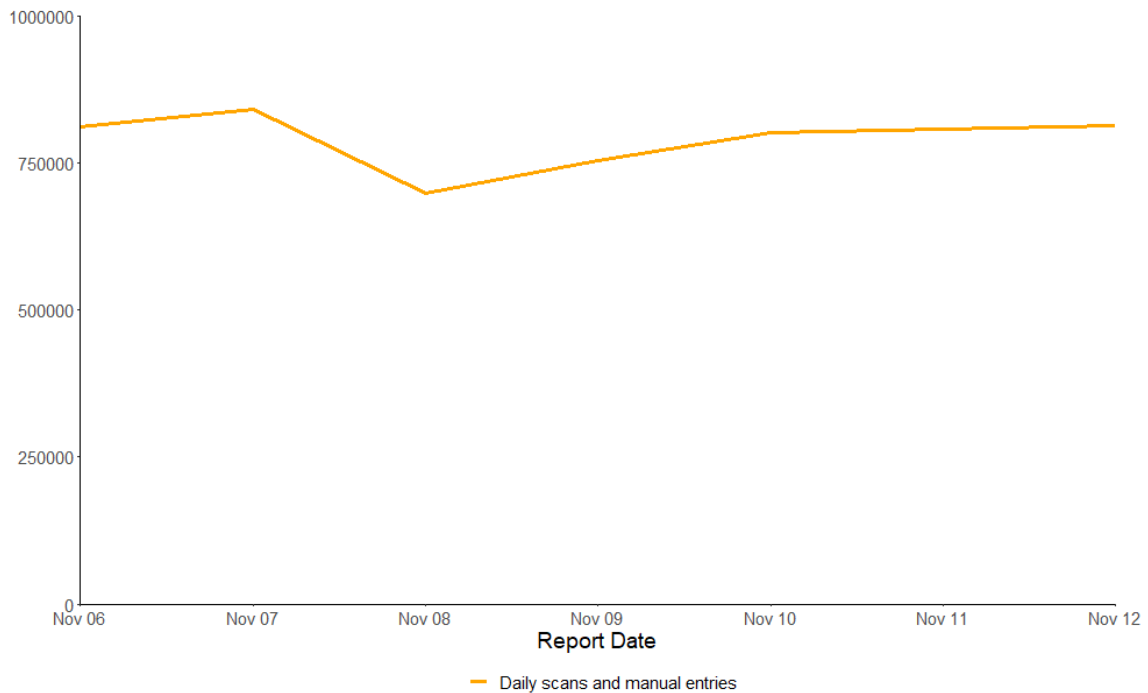


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 12 November 2020**



**Figure 4: COVID-19 Tracer App cumulative registered users and daily scans/manual entries for the past week as at 1600 12 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 13 November 2020**

Grouping	Reason for test:	06 Nov	07 Nov	08 Nov	09 Nov	10 Nov	11 Nov	12 Nov	Weekly Total
Border workers	Air Crew	70	45	14	28	66	108	28	359
	Airport Staff	135	162	71	65	219	248	158	1058
	Maritime Crew	4	1	0	0	0	0	4	9
	MIF Staff	476	225	270	185	368	244	532	2300
	MIQ Staff	35	137	35	34	17	25	30	313
	Port Staff-Port of Tauranga Ltd	44	76	4	1	10	0	51	186
	Port Staff – Port of Auckland	29	106	19	7	62	5	97	325
	Port Staff-Remainder	71	23	0	22	78	67	71	332
Community	CTCs And Pop-Ups	2151	1371	1134	1020	2433	2536	2420	13065
	GPs and Other Primary Health	2018	1393	535	629	2227	2573	2548	11923
Travellers	Staying At MIF	780	556	956	965	501	752	1268	5778
	Staying At MIQ	21	21	4	4	15	23	19	107
Total		5834	4116	3042	2960	5996	6581	7226	35755

*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 13 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	743	313	382	2	6
2/11/2020	889	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1114	408	633	1	0
6/11/2020	992	454	480	1	0
7/11/2020	636	339	239	6	0
8/11/2020	754	119	603	1	1
9/11/2020	1061	524	497	3	0
10/11/2020	510	205	247	1	0
11/11/2020	1090	369	632	2	2
12/11/2020	1272	555	646	1	2

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 13 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	25	<b>170</b>
<b>Clinical</b>	5	6	3	<b>14</b>
<b>Management Plan Change</b>	2			<b>2</b>
<b>No Consent</b>	17	4	25	<b>46</b>
<b>Other**</b>	4	67	43	<b>114</b>
<b>Total</b>	<b>108</b>	<b>142</b>	<b>96</b>	<b>346</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## *DHB Testing by Ethnicity*

Table 6: Number of people tested for COVID-19 from 29 October to 12 November.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	345	582	1782	3041	1016	<b>6766</b>
Bay of Plenty	281	35	104	913	29	<b>1362</b>
Canterbury	288	147	538	3358	200	<b>4531</b>
Capital and Coast	302	274	325	1858	79	<b>2838</b>
Counties Manukau	755	1507	1578	1756	126	<b>5722</b>
Hawke's Bay	111	45	46	434	19	<b>655</b>
Hutt Valley	124	91	139	573	23	<b>950</b>
Lakes	183	11	53	317	14	<b>578</b>
MidCentral	138	26	54	566	34	<b>818</b>
Nelson Marlborough	98	22	43	771	21	<b>955</b>
Northland	199	13	32	411	21	<b>676</b>
South Canterbury	15	3	14	197	10	<b>239</b>
Southern	123	49	163	1402	34	<b>1771</b>
Tairāwhiti	97	5	27	127	6	<b>262</b>
Taranaki	68	7	29	383	12	<b>499</b>
Waikato	497	65	320	1341	51	<b>2274</b>
Wairarapa	31	6	5	182	3	<b>227</b>
Waitematā	466	439	1482	3610	89	<b>6086</b>
West Coast	9	0	6	47	-	<b>62</b>
Whanganui	28	4	7	137	7	<b>183</b>
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4166</b>	<b>3344</b>	<b>6751</b>	<b>21470</b>	<b>1819</b>	<b>37550</b>



Table 7: Rate per 1000 people tested for COVID-19 from 29 October to 12 November.

	Prioritised ethnicity MPAO				
<b>DHB of domicile</b>	<b>Māori</b>	<b>Pacific</b>	<b>Asian</b>	<b>Other</b>	<b>Total</b>
Auckland	7.93	10.38	9.52	11.63	<b>12.34</b>
Bay of Plenty	4.7	7.87	5.31	5.8	<b>5.65</b>
Canterbury	5.49	10.37	8.85	7.53	<b>7.9</b>
Capital and Coast	8.27	12.36	6.47	8.73	<b>8.82</b>
Counties Manukau	8.48	12.55	10.44	8.39	<b>10.05</b>
Hawke's Bay	2.57	7.01	5.02	4.02	<b>3.93</b>
Hutt Valley	4.76	7.79	7.41	6.08	<b>6.3</b>
Lakes	4.76	4.31	5.45	5.29	<b>5.22</b>
MidCentral	3.79	4.69	3.48	4.57	<b>4.51</b>
Nelson Marlborough	6.11	8.9	5.79	6.13	<b>6.29</b>
Northland	3.27	3.46	3.87	3.77	<b>3.72</b>
South Canterbury	2.82	6.14	5.92	3.81	<b>3.99</b>
Southern	3.66	7.12	6.32	5.24	<b>5.31</b>
Tairāwhiti	3.91	4.47	23.13	5.74	<b>5.33</b>
Taranaki	2.91	5.03	4.66	4.26	<b>4.13</b>
Waikato	5.16	4.88	7.25	4.98	<b>5.38</b>
Wairarapa	3.89	7.22	4.01	5.1	<b>4.96</b>
Waitematā	7.45	9.84	10.31	9.44	<b>9.61</b>
West Coast	2.32	0	6.49	1.74	<b>1.94</b>
Whanganui	1.61	2.63	2.39	3.18	<b>2.82</b>
<b>Total</b>	<b>5.4</b>	<b>10.5</b>	<b>8.8</b>	<b>6.9</b>	<b>7.6</b>

# Daily COVID-19 Situation UPDATE

## Key Facts and Figures

As at 1230

14 NOVEMBER 2020

### Statistics at a Glance

Total Active Cases in New Zealand (Community and MIQ)

**55**

**In the Community**  
(since 11 August –  
see Table 1)

New Cases since 0900  
Yesterday

**0**

Total Recovered

**188**

Total Deceased

**3**

Active Community Cases

**4**

Total Cases Since 11 August

**196**

**Imported cases in  
Managed Isolation  
and Quarantine**

New Cases since 0900  
Yesterday

**3**

Total Recovered

**267**

Active MIF/MIQ Cases

**51**

Total Imported MIQ Cases

**318**

**Laboratory  
Testing**

Total Tests in Last 24 Hours

**6,320**

Total Tests over  
Last Seven Days

**36,242**

Total Laboratory Tests

**1,169,062**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at **1230 14 November 2020**

Outbreak	New cases (since <b>0900 12/11</b> )	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	0
November Quarantine Cluster	0	4	4
<b>Total</b>	<b>0</b>	<b>196</b>	<b>4</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at **1230 14 November 2020**

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	55(+2)	1567 (+1)	20	1642 (+3)
<b>Probable</b>	0	351	5	356
<b>Total</b>	55(+2)	1918 (+1)	25	1998 (+3)

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>November Quarantine Cluster .....</i>	<i>4</i>
Imported Cases in Managed Isolation.....	8
Community Behaviour Indicators .....	9
<i>Healthline .....</i>	<i>9</i>
<i>COVID-19 App Scans .....</i>	<i>11</i>
Precautionary Testing .....	12
<i>Border and Arrival Lab Testing.....</i>	<i>12</i>
<i>Day 3 and Day 12 testing.....</i>	<i>13</i>
<i>DHB Testing by Ethnicity.....</i>	<i>14</i>

## Cases in the Community

- There has been 0 new community case since 13 November 2020.
- The total number of active cases in the community is four.

Earlier it was reported that there was one new case. That case has now been reclassified as under investigation. As a result, we have removed it from today's case count and reporting.

Everything that was earlier reported as Case E has been removed.

## November Quarantine Cluster

- Four cases have been identified in the November Quarantine Cluster:
  - Case A worked at the Jet Park MIQ;
  - Case B was a close contact of Case A;
  - Case C is a close contact of Case B;
  - Case D is genomically linked to Case A and was previously the subject of the Auckland November Incident

### Case A

- On 05 November, Case A developed symptoms and tested positive. Their last routine test on 03 November was negative, but when rerun, returned an extremely weak positive.
- Case A is in quarantine at Jet Park. All 25 of their close contacts are in isolation, with 24 having returned negative results.
- All occupants at Case A's accommodation returned negative test results.
- The source of the NZDF worker is almost certainly at JetPark. The case has been genomically linked to a family at JetPark however it is one mutation apart suggesting a missing infectious source.
- There may be an intermediary case involved; however, the investigation has revealed no evidence to support this (e.g. an intermediary case has not been identified). ARPHS is awaiting confirmation from ESR about whether the other border cases in JetPark at the time have all been sequenced in order to rule this hypothesis out with a high degree of certainty.
- s 9(2)(a) .

### Case B

- Case B is a close contact of Case A. Case B flew from Auckland to Wellington on 05 November. Several exposure events have been identified for Case B in Auckland and Wellington.
- Case B is in quarantine at the Grand Mercure Hotel in Wellington.
- Genomic sequencing for Case B matched with that of Case A.
- Case B's close workplace contacts and close contacts from the flight undertook day 5 tests on 11 November. All day 5 contacts have returned a negative test with the exception of Case C.

### **Case C**

- On 11 November, a close contact of Case B (Case C) tested positive after developing symptoms. Case C had been self-isolating since the evening of 07 November and returned a negative result on day 3 testing.
- Case C is in quarantine at the Grand Mercure Hotel.

### **Case D**


- Preliminary results from the genomic sequencing indicate the B.1.3.6 lineage, which is the same genomic sequence as Case A of November Quarantine Cluster.
- This case was identified on the morning of 12 November. On Monday 09 November, the case became symptomatic and had a phone consultation and test in the late evening on 10 November.
- Case interview and scoping, identification of close contacts and consideration of testing requirements is underway.
- At this stage, 5 close contacts have been identified. 3 close contacts have returned a negative test.
- The case has moved to Jet Park.
- Senior health protection officers have been deployed to the case's apartment (Vincent Residences) to provide public health messaging and guidance. Health staff will remain at the apartment until 8pm and will return tomorrow.
- ARPHS has provided advice to all occupants at the Vincent Residences on where to seek assistance for welfare and health concerns. Another welfare letter will be provided tonight, and an additional letter will be provided tomorrow informing the residents of the test status. 101 residents have returned a negative test, with 72 results pending.
- Posters have been sent to all locations of interest displaying appropriate health advice, including testing information.
- The Source Attribution Investigation continues in an effort to identify the epidemiological link between cases A and D. This investigation is being led by ARPHS with assistance from NZ Police, providing investigative and intelligence resources.
- Four additional testing stations have been stood up; City Centre Community Testing Centre (CTC); Victoria Park CTC; The Doctors QuayMed Britomart CTC and Wynyard Quarter Carpark CTC.
- Existing CTCs and GP Clinics around the greater Auckland area continue to provide testing services and report steady volumes. Public messaging continues to advise people to be tested at their nearest facility.

### *International Mariners (Sudima Staff Members)*

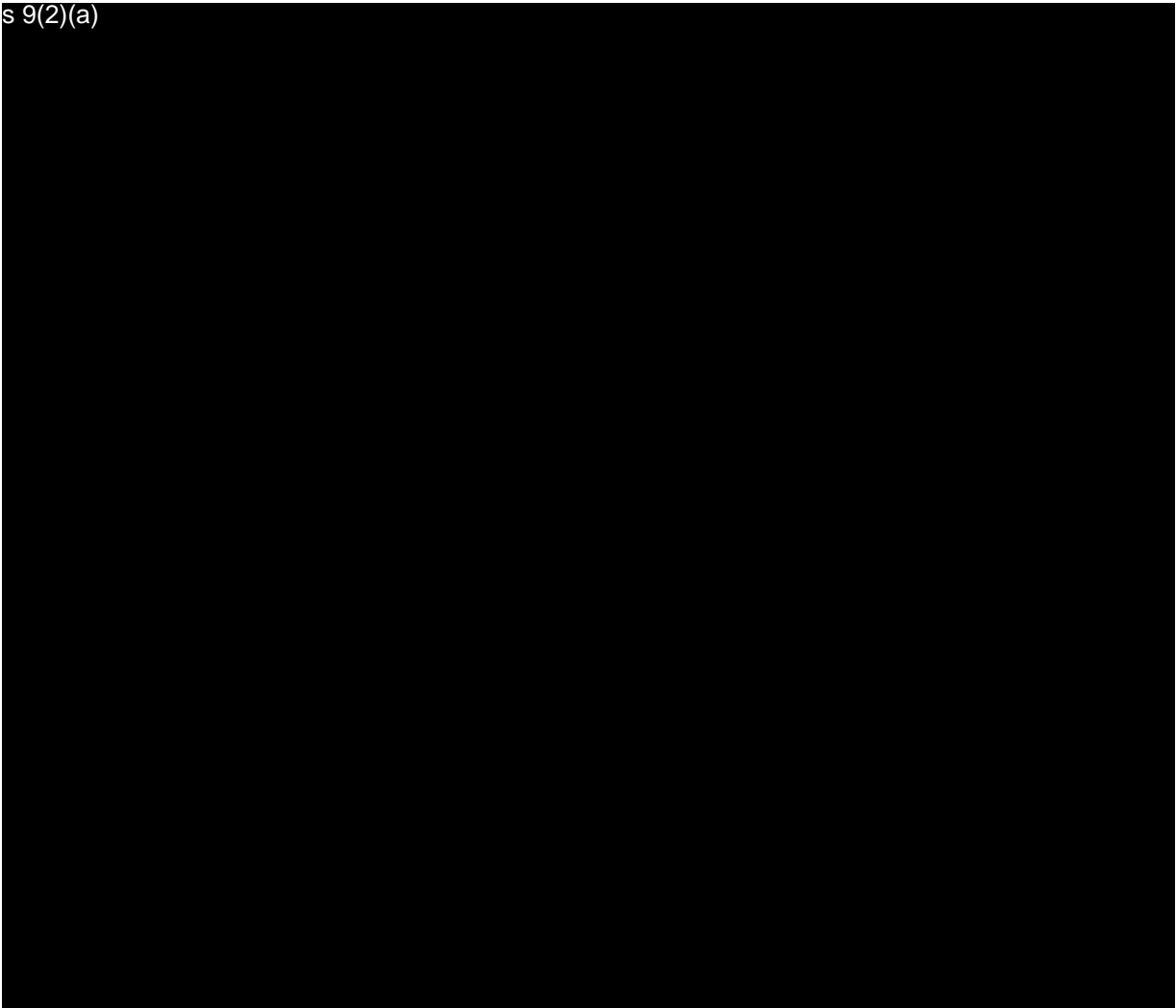
- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A began to experience the onset of minor symptoms and sought a test on 1 November, which returned a positive. They are undertaking isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel. Genotyping for Case A has been completed, Case B genotyping relates to the mariners, but differs to that of Case A.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- **Both cases are now recovered.**
- All staff who worked at the Sudima Hotel since 23 October were tested and returned negative test results.

## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.



## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 14 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
318	51

- Three new cases have been detected at the border since 0900 13 November.
  - Case 1 arrived from Romania on the 3 November, having transited through Qatar and Australia. They are in Jet Park and detected on Day 12 testing.
  - Case 2 arrived from Australia on the 1 November, and has been in quarantine in the s 9(2)(a) Auckland. They are now in Jet Park, and were detected on day 11 testing.
  - Case 3 arrived from England on the 12 November. They were detected on day 1 testing, and are symptomatic. They are in isolation at Jet Park

# Community Behaviour Indicators

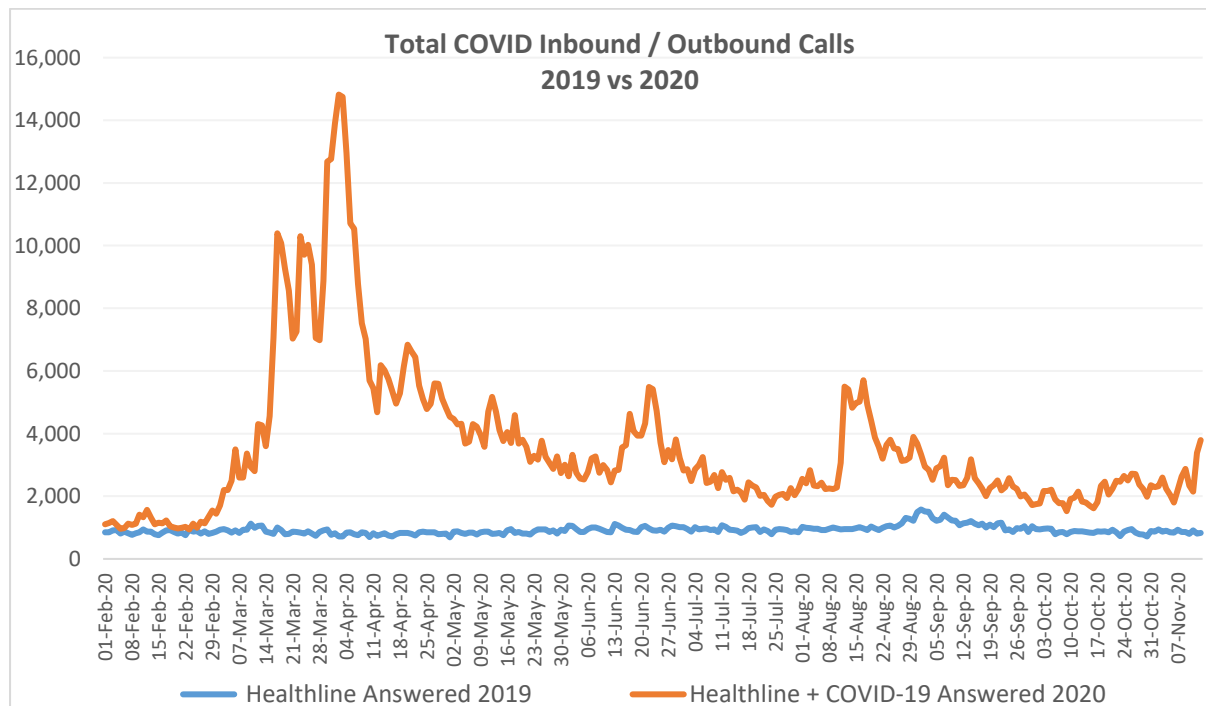
## Healthline

- On 13 November 2020 there were 2,299 contacts in Healthline

The main themes yesterday were:

- The biggest driver of volume is related to the Auckland case
- There was a lot of confusion relating to:
  - Advice for different exposure events
  - Definition of the CBD and calls from employers
  - There is some emerging racism towards the Chinese community
- Referrals for close and casual contacts

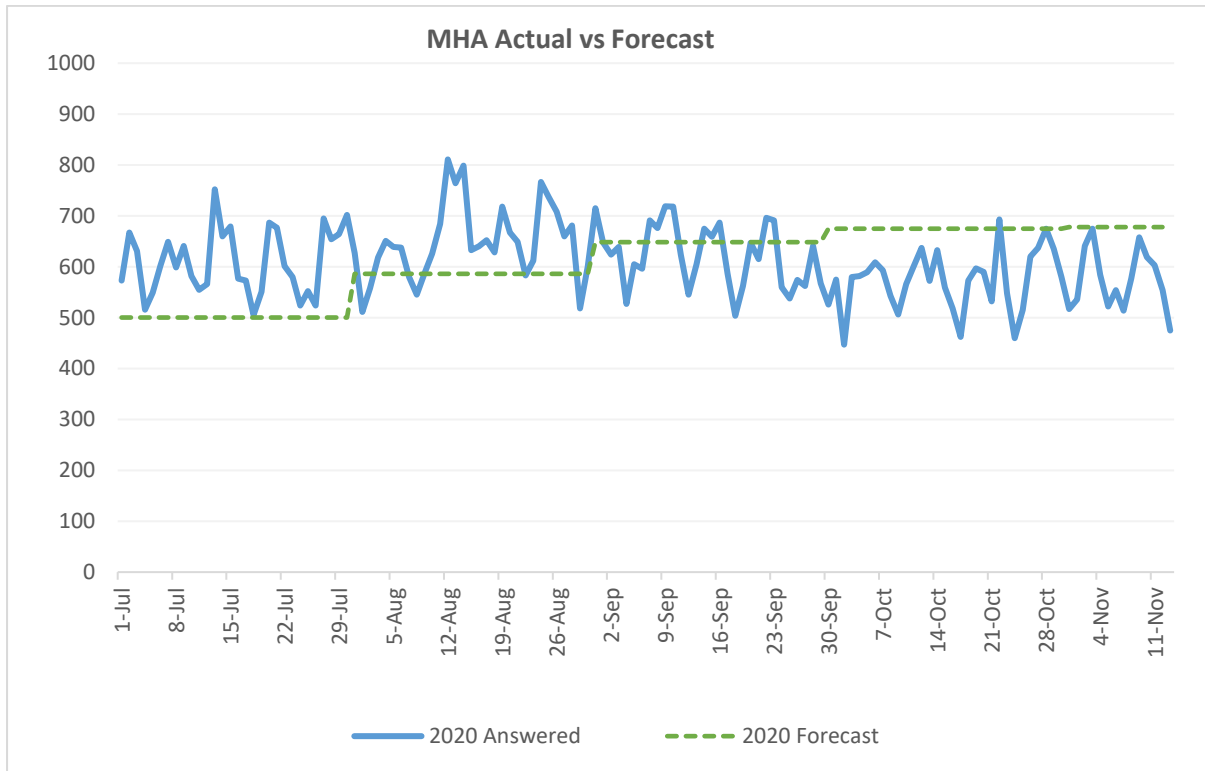
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

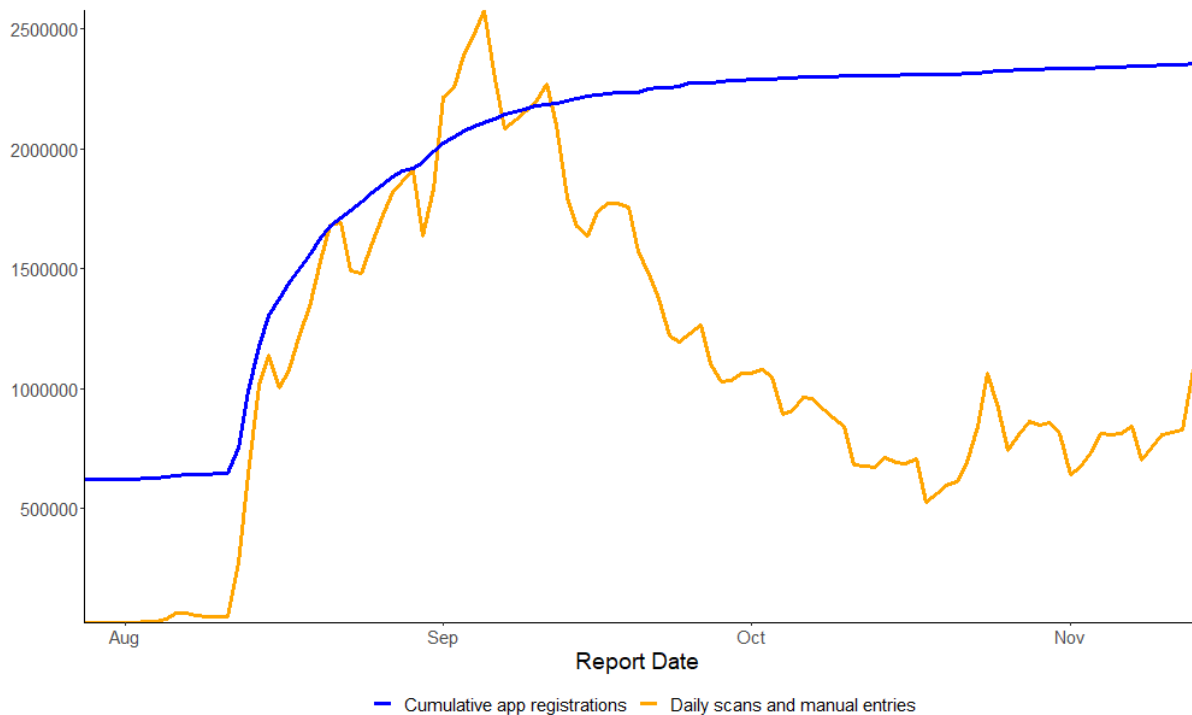
On 13 November 2020, demand on 1737 and other mental health services was similar to the same day last year - in total circa 475 calls were answered, compared to 477 on the same day last year.

**Figure 2: Healthline Mental Health Response**

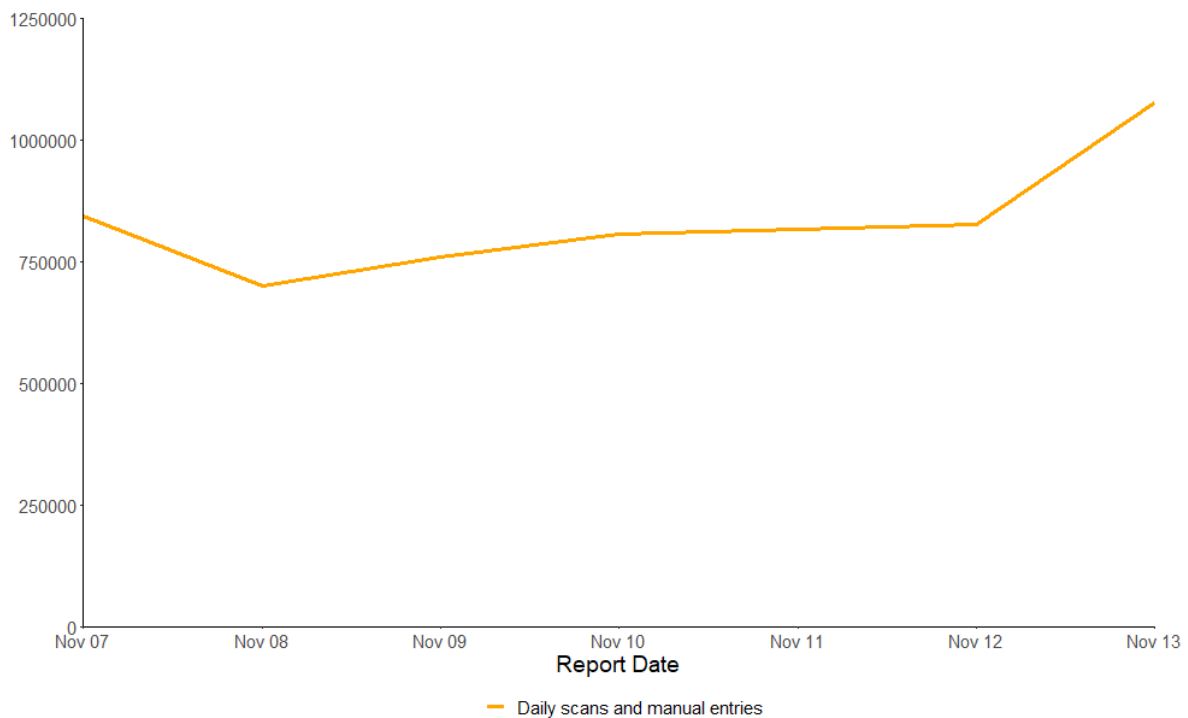


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 13 November 2020**



**Figure 4: COVID-19 Tracer App daily scans/manual entries for the past week as at 1600 13 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 13 November 2020**

Grouping	Reason for test:	07 Nov	08 Nov	09 Nov	10 Nov	11 Nov	12 Nov	13 Nov	Weekly Total
Border workers	Air Crew	45	14	28	66	108	28	62	351
	Airport Staff	162	71	65	219	248	158	204	1127
	Maritime Crew	1	0	0	0	0	4	18	23
	MIF Staff	225	270	185	368	244	532	361	2185
	MIQ Staff	137	35	34	17	25	30	43	321
	Port Staff-Port of Tauranga Ltd	76	4	1	10	0	51	19	161
	Port Staff – Port of Auckland	106	19	7	62	5	97	80	376
	Port Staff-Remainder	23	0	22	79	67	71	85	347
Community	CTCs And Pop-Ups	1372	1135	1021	2435	2561	2540	2406	13470
	GPs and Other Primary Health	1392	534	628	2224	2548	2429	2500	12255
Travellers	Staying At MIF	556	956	965	501	752	1268	524	5522
	Staying At MIQ	21	4	4	15	23	19	18	104
Total		4116	3042	2960	5996	6581	7227	6320	36242

*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 13 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	743	313	382	2	6
2/11/2020	889	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1114	408	633	1	0
6/11/2020	992	454	480	1	0
7/11/2020	636	339	239	6	0
8/11/2020	754	119	603	1	1
9/11/2020	1061	524	497	3	0
10/11/2020	510	205	247	1	0
11/11/2020	1090	369	632	2	2
12/11/2020	1272	555	646	1	2

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 13 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	25	<b>170</b>
<b>Clinical</b>	5	6	3	<b>14</b>
<b>Management Plan Change</b>	2			<b>2</b>
<b>No Consent</b>	17	4	25	<b>46</b>
<b>Other**</b>	4	67	43	<b>114</b>
<b>Total</b>	<b>108</b>	<b>142</b>	<b>96</b>	<b>346</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 30 October to 13 November.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	348	581	1871	3088	1050	6938
Bay of Plenty	286	35	103	892	26	1342
Canterbury	282	137	555	3326	196	4496
Capital and Coast	303	268	329	1859	75	2834
Counties Manukau	742	1424	1604	1763	122	5655
Hawke's Bay	103	45	41	414	18	621
Hutt Valley	128	90	139	590	21	968
Lakes	176	12	55	302	13	558
MidCentral	153	27	62	635	32	909
Nelson Marlborough	96	24	42	799	22	983
Northland	193	12	37	374	22	638
South Canterbury	15	2	10	175	9	211
Southern	134	53	167	1398	38	1790
Tairāwhiti	92	5	31	119	6	253
Taranaki	60	5	26	374	13	478
Waikato	490	70	326	1325	54	2265
Wairarapa	27	6	5	169	2	209
Waitematā	452	430	1478	3598	76	6034
West Coast	7	0	7	43	1	58
Whanganui	34	3	9	142	7	195
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4129</b>	<b>3244</b>	<b>6900</b>	<b>21429</b>	<b>1827</b>	<b>37529</b>

Table 7: Rate per 1000 people tested for COVID-19 from 30 October to 13 November.

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	8	10.36	10	11.81	12.66
Bay of Plenty	4.78	7.87	5.26	5.67	5.56
Canterbury	5.38	9.66	9.13	7.45	7.84
Capital and Coast	8.3	12.08	6.55	8.74	8.81
Counties Manukau	8.33	11.86	10.61	8.43	9.93
Hawke's Bay	2.38	7.01	4.47	3.83	3.72
Hutt Valley	4.91	7.71	7.41	6.26	6.42
Lakes	4.57	4.7	5.65	5.04	5.04
MidCentral	4.2	4.87	4	5.13	5.02
Nelson Marlborough	5.98	9.71	5.66	6.35	6.48
Northland	3.17	3.19	4.47	3.43	3.51
South Canterbury	2.82	4.1	4.23	3.39	3.53
Southern	3.99	7.7	6.47	5.23	5.36
Tairāwhiti	3.71	4.47	26.56	5.38	5.15
Taranaki	2.57	3.59	4.17	4.16	3.95
Waikato	5.08	5.25	7.39	4.92	5.35
Wairarapa	3.38	7.22	4.01	4.74	4.57
Waitematā	7.22	9.64	10.28	9.41	9.53
West Coast	1.81	0	7.57	1.59	1.81
Whanganui	1.96	1.97	3.07	3.3	3.01
<b>Total</b>	<b>5.3</b>	<b>10.1</b>	<b>9</b>	<b>6.9</b>	<b>7.6</b>



# Daily COVID-19 Situation UPDATE

## Key Facts and Figures

As at 1230

14 NOVEMBER 2020

### Statistics at a Glance

Total Active Cases in New Zealand (Community and MIQ)

**55**

**In the Community**  
(since 11 August –  
see Table 1)

New Cases since 0900  
Yesterday

**0**

Total Recovered

**188**

Total Deceased

**3**

Active Community Cases

**4**

Total Cases Since 11 August

**196**

**Imported cases in  
Managed Isolation  
and Quarantine**

New Cases since 0900  
Yesterday

**3**

Total Recovered

**267**

Active MIF/MIQ Cases

**51**

Total Imported MIQ Cases

**318**

**Laboratory  
Testing**

Total Tests in Last 24 Hours

**6,320**

Total Tests over  
Last Seven Days

**36,242**

Total Laboratory Tests

**1,169,062**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at **1230 14 November 2020**

Outbreak	New cases (since <b>0900 12/11</b> )	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	0
November Quarantine Cluster	0	4	4
<b>Total</b>	<b>0</b>	<b>196</b>	<b>4</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at **1230 14 November 2020**

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	55(+2)	1567 (+1)	20	1642 (+3)
<b>Probable</b>	0	351	5	356
<b>Total</b>	55(+2)	1918 (+1)	25	1998 (+3)

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>November Quarantine Cluster .....</i>	<i>4</i>
Imported Cases in Managed Isolation.....	8
Community Behaviour Indicators .....	9
<i>Healthline .....</i>	<i>9</i>
<i>COVID-19 App Scans .....</i>	<i>11</i>
Precautionary Testing .....	12
<i>Border and Arrival Lab Testing.....</i>	<i>12</i>
<i>Day 3 and Day 12 testing.....</i>	<i>13</i>
<i>DHB Testing by Ethnicity.....</i>	<i>14</i>

## Cases in the Community

- There has been 0 new community case since 13 November 2020.
- The total number of active cases in the community is four.

Earlier it was reported that there was one new case. That case has now been reclassified as under investigation. As a result, we have removed it from today's case count and reporting.

Everything that was earlier reported as Case E has been removed.

## November Quarantine Cluster

- Four cases have been identified in the November Quarantine Cluster:
  - Case A worked at the Jet Park MIQ;
  - Case B was a close contact of Case A;
  - Case C is a close contact of Case B;
  - Case D is genomically linked to Case A and was previously the subject of the Auckland November Incident

### Case A

- On 05 November, Case A developed symptoms and tested positive. Their last routine test on 03 November was negative, but when rerun, returned an extremely weak positive.
- Case A is in quarantine at Jet Park. All 25 of their close contacts are in isolation, with 24 having returned negative results.
- All occupants at Case A's accommodation returned negative test results.
- The source of the NZDF worker is almost certainly at JetPark. The case has been genomically linked to a family at JetPark however it is one mutation apart suggesting a missing infectious source.
- There may be an intermediary case involved; however, the investigation has revealed no evidence to support this (e.g. an intermediary case has not been identified). ARPHS is awaiting confirmation from ESR about whether the other border cases in JetPark at the time have all been sequenced in order to rule this hypothesis out with a high degree of certainty.
- s 9(2)(a)

### Case B

- Case B is a close contact of Case A. Case B flew from Auckland to Wellington on 05 November. Several exposure events have been identified for Case B in Auckland and Wellington.
- Case B is in quarantine at the Grand Mercure Hotel in Wellington.
- Genomic sequencing for Case B matched with that of Case A.
- Case B's close workplace contacts and close contacts from the flight undertook day 5 tests on 11 November. All day 5 contacts have returned a negative test with the exception of Case C.

### **Case C**

- On 11 November, a close contact of Case B (Case C) tested positive after developing symptoms. Case C had been self-isolating since the evening of 07 November and returned a negative result on day 3 testing.
- Case C is in quarantine at the Grand Mercure Hotel.

### **Case D**


- Preliminary results from the genomic sequencing indicate the B.1.3.6 lineage, which is the same genomic sequence as Case A of November Quarantine Cluster.
- This case was identified on the morning of 12 November. On Monday 09 November, the case became symptomatic and had a phone consultation and test in the late evening on 10 November.
- Case interview and scoping, identification of close contacts and consideration of testing requirements is underway.
- At this stage, 5 close contacts have been identified. 3 close contacts have returned a negative test.
- The case has moved to Jet Park.
- Senior health protection officers have been deployed to the case's apartment (Vincent Residences) to provide public health messaging and guidance. Health staff will remain at the apartment until 8pm and will return tomorrow.
- ARPHS has provided advice to all occupants at the Vincent Residences on where to seek assistance for welfare and health concerns. Another welfare letter will be provided tonight, and an additional letter will be provided tomorrow informing the residents of the test status. 101 residents have returned a negative test, with 72 results pending.
- Posters have been sent to all locations of interest displaying appropriate health advice, including testing information.
- The Source Attribution Investigation continues in an effort to identify the epidemiological link between cases A and D. This investigation is being led by ARPHS with assistance from NZ Police, providing investigative and intelligence resources.
- Four additional testing stations have been stood up; City Centre Community Testing Centre (CTC); Victoria Park CTC; The Doctors QuayMed Britomart CTC and Wynyard Quarter Carpark CTC.
- Existing CTCs and GP Clinics around the greater Auckland area continue to provide testing services and report steady volumes. Public messaging continues to advise people to be tested at their nearest facility.

### *International Mariners (Sudima Staff Members)*

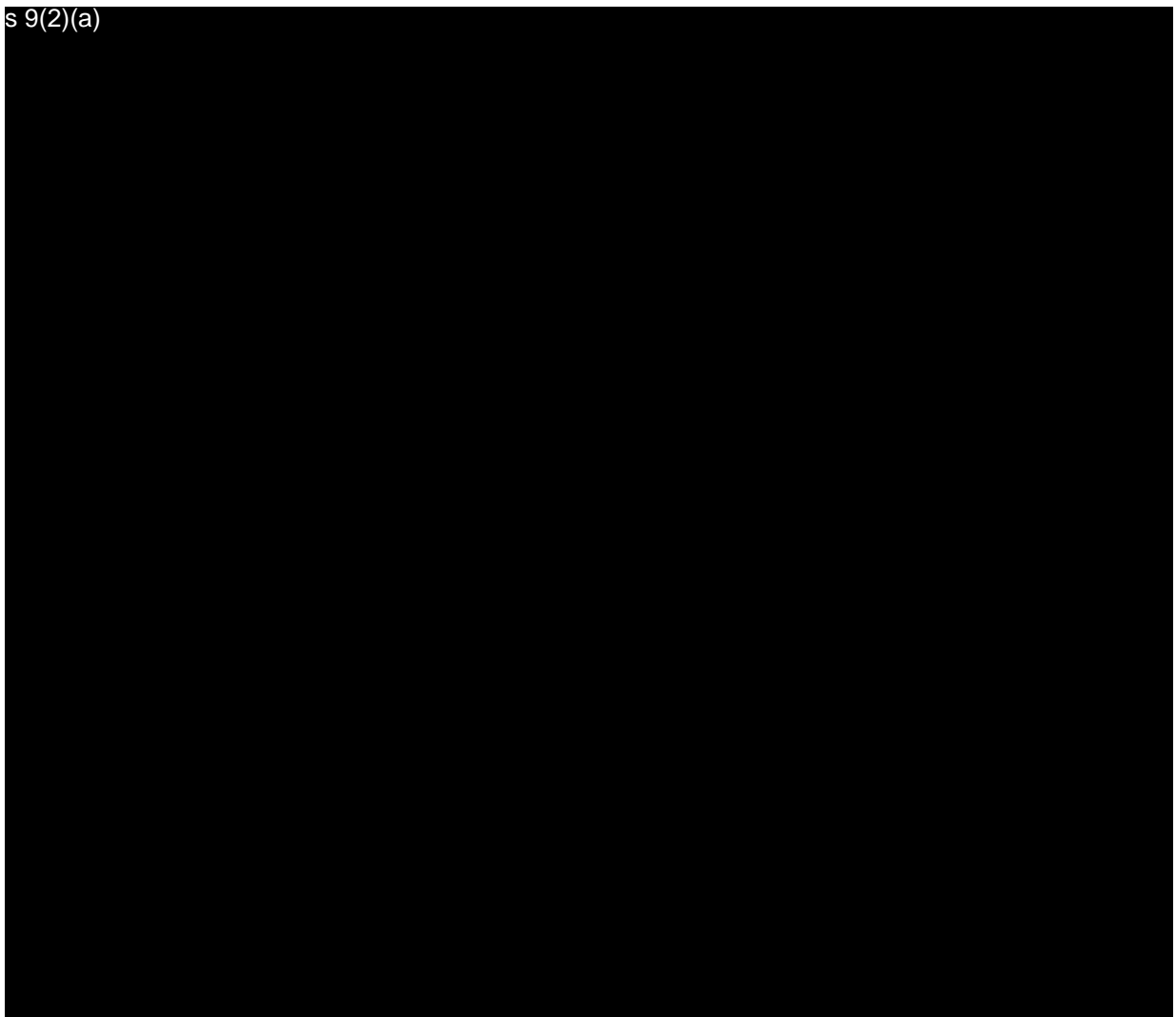
- By 04 November, two staff members who worked at the MIF in the Sudima Hotel, Christchurch, had tested positive. Both staff members returned negative tests during routine testing on 29 October.
- On 31 October, MIF Staff Case A began to experience the onset of minor symptoms and sought a test on 1 November, which returned a positive. They are undertaking isolation and quarantine at home.
- The genome sequencing results for Case A have indicated the virus is part of the B.1.1.7 lineage, which is the same as 5 international mariners in the Sudima Hotel. Genotyping for Case A has been completed, Case B genotyping relates to the mariners, but differs to that of Case A.
- On 3 November, MIF Staff Case B tested positive while asymptomatic. They have been moved to quarantine at Chateau on the Park Hotel in Christchurch.
- **Both cases are now recovered.**
- All staff who worked at the Sudima Hotel since 23 October were tested and returned negative test results.

## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.

## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 14 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
318	51

- Three new cases have been detected at the border since 0900 13 November.
  - Case 1 arrived from Romania on the 3 November, having transited through Qatar and Australia. They are in Jet Park and detected on Day 12 testing.
  - Case 2 arrived from Australia on the 1 November, and has been in quarantine in the s 9(2)(a) Auckland. They are now in Jet Park, and were detected on day 11 testing.
  - Case 3 arrived from England on the 12 November. They were detected on day 1 testing, and are symptomatic. They are in isolation at Jet Park



# Community Behaviour Indicators

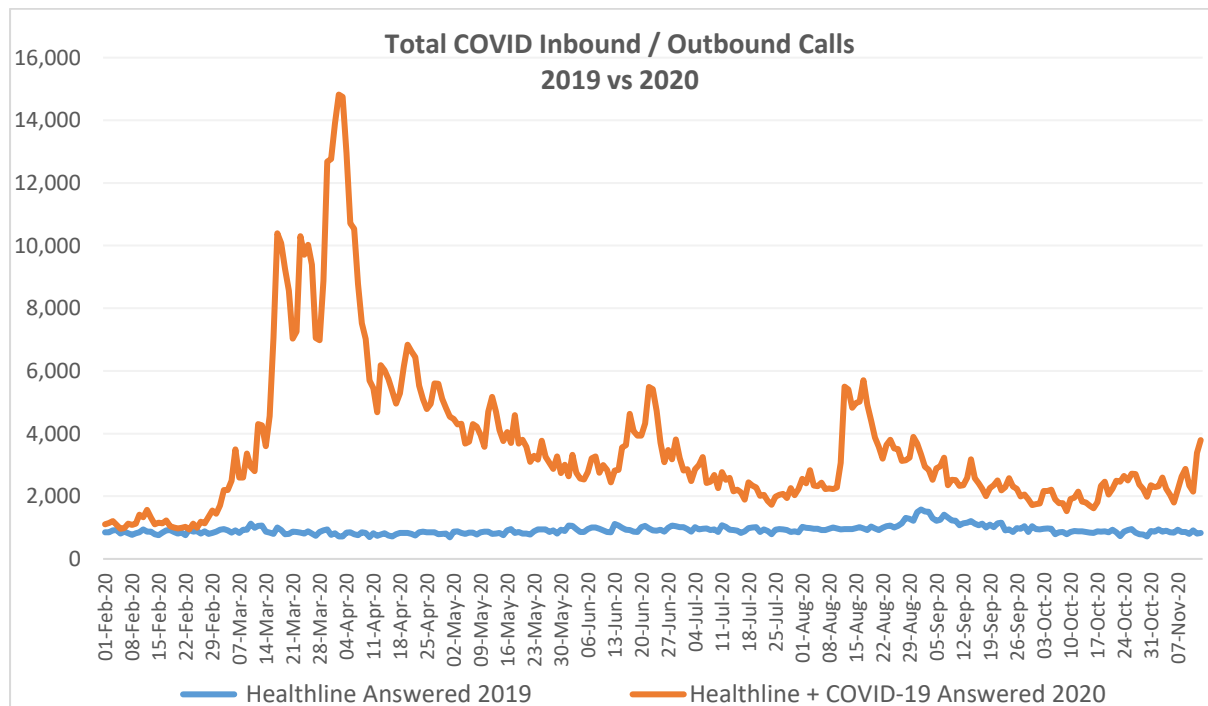
## Healthline

- On 13 November 2020 there were 2,299 contacts in Healthline

The main themes yesterday were:

- The biggest driver of volume is related to the Auckland case
- There was a lot of confusion relating to:
  - Advice for different exposure events
  - Definition of the CBD and calls from employers
  - There is some emerging racism towards the Chinese community
- Referrals for close and casual contacts

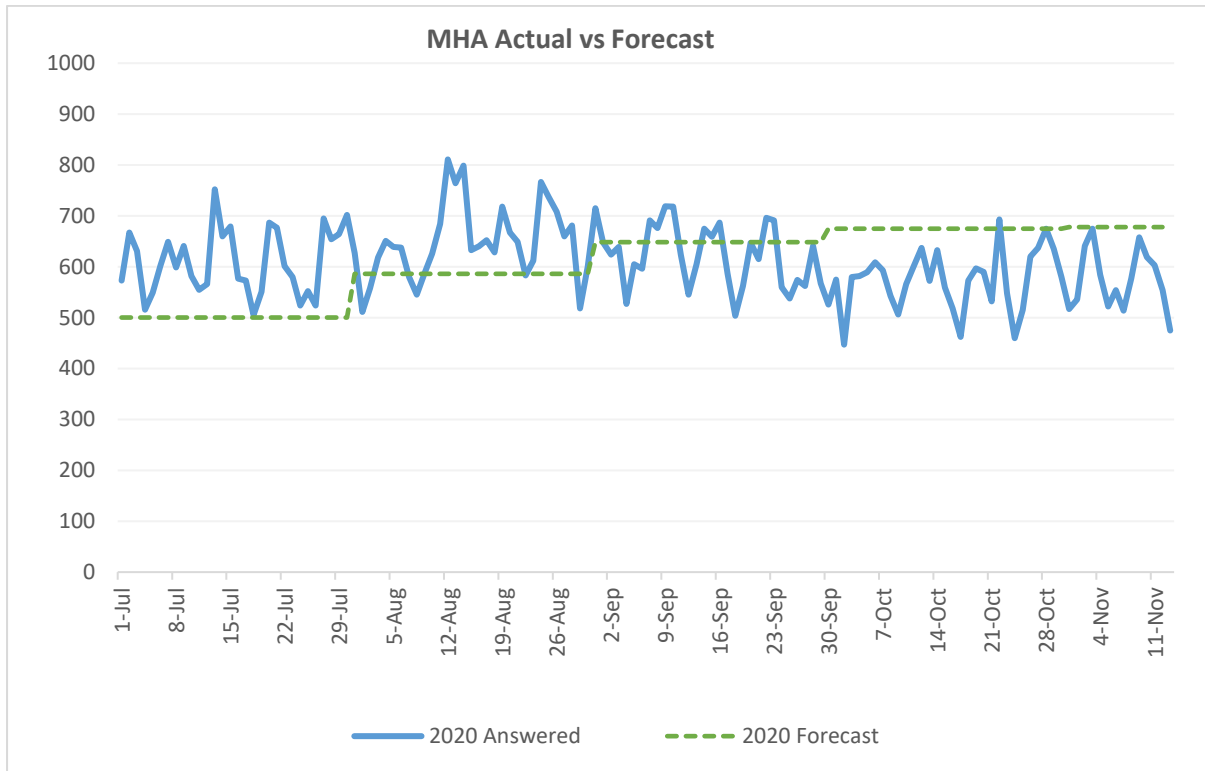
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

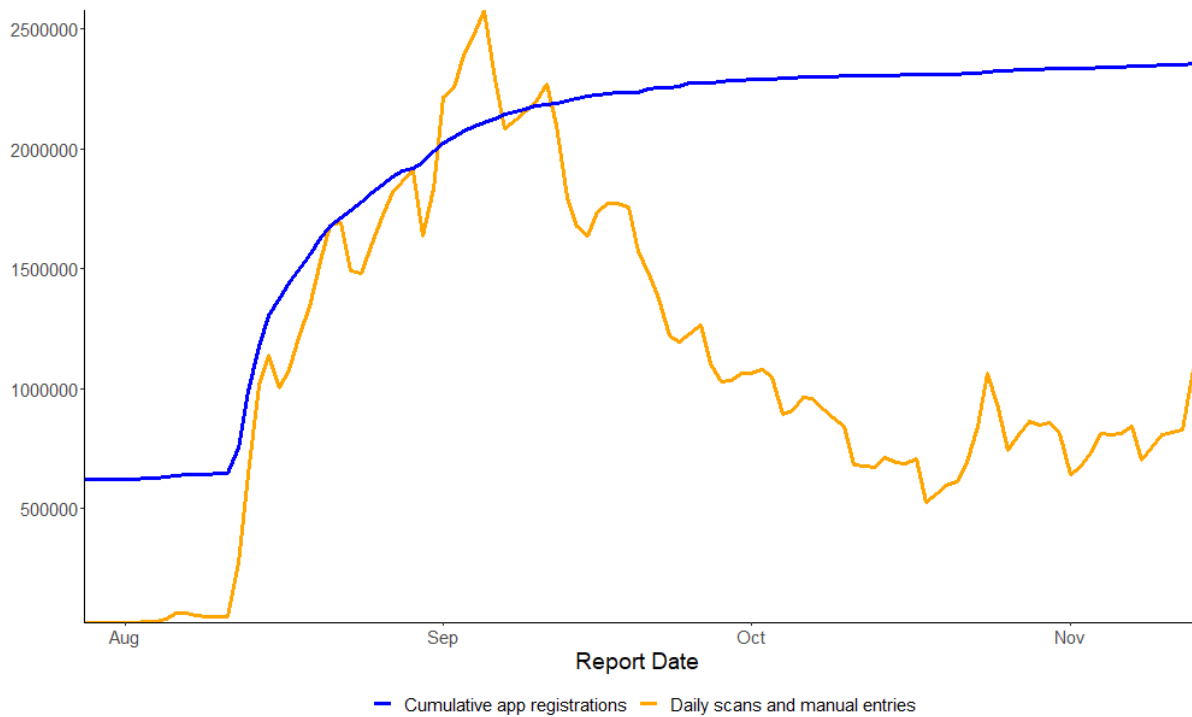
On 13 November 2020, demand on 1737 and other mental health services was similar to the same day last year - in total circa 475 calls were answered, compared to 477 on the same day last year.

**Figure 2: Healthline Mental Health Response**

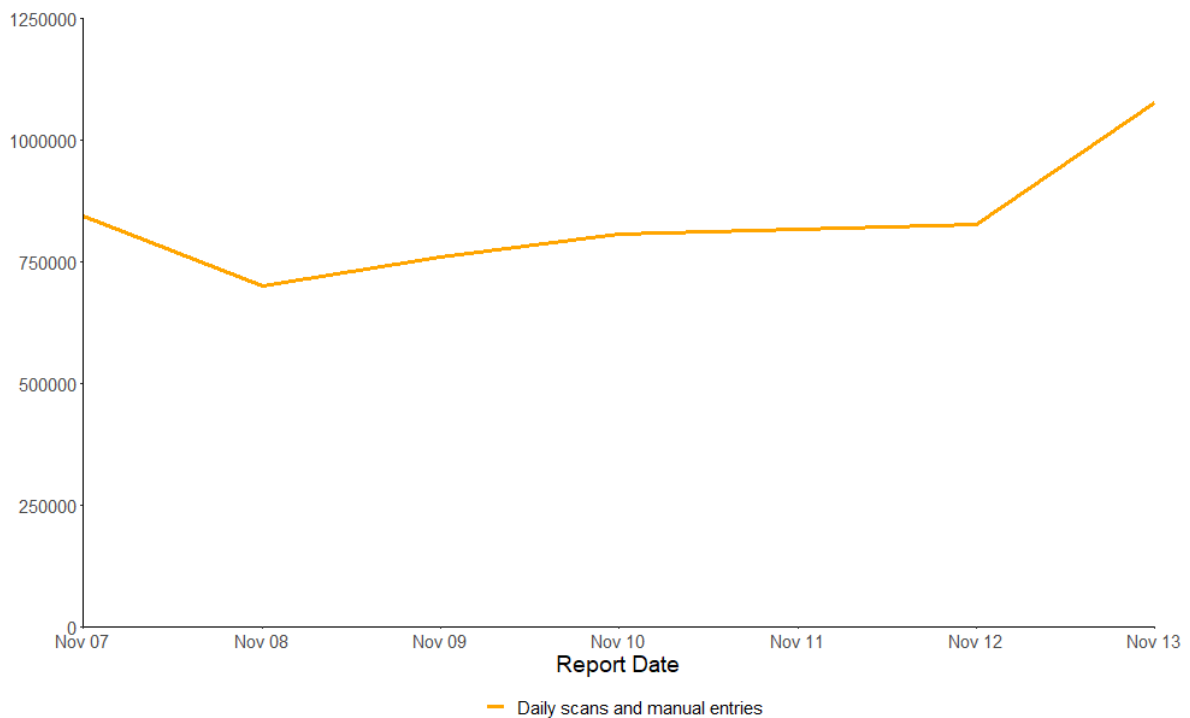


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 13 November 2020**



**Figure 4: COVID-19 Tracer App daily scans/manual entries for the past week as at 1600 13 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 13 November 2020**

Grouping	Reason for test:	07 Nov	08 Nov	09 Nov	10 Nov	11 Nov	12 Nov	13 Nov	Weekly Total
Border workers	Air Crew	45	14	28	66	108	28	62	351
	Airport Staff	162	71	65	219	248	158	204	1127
	Maritime Crew	1	0	0	0	0	4	18	23
	MIF Staff	225	270	185	368	244	532	361	2185
	MIQ Staff	137	35	34	17	25	30	43	321
	Port Staff-Port of Tauranga Ltd	76	4	1	10	0	51	19	161
	Port Staff – Port of Auckland	106	19	7	62	5	97	80	376
	Port Staff-Remainder	23	0	22	79	67	71	85	347
Community	CTCs And Pop-Ups	1372	1135	1021	2435	2561	2540	2406	13470
	GPs and Other Primary Health	1392	534	628	2224	2548	2429	2500	12255
Travellers	Staying At MIF	556	956	965	501	752	1268	524	5522
	Staying At MIQ	21	4	4	15	23	19	18	104
Total		4116	3042	2960	5996	6581	7227	6320	36242

*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 13 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
30/10/2020	948	520	369	2	0
31/10/2020	1186	666	467	3	3
1/11/2020	743	313	382	2	6
2/11/2020	889	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	967	590	310	2	0
5/11/2020	1114	408	633	1	0
6/11/2020	992	454	480	1	0
7/11/2020	636	339	239	6	0
8/11/2020	754	119	603	1	1
9/11/2020	1061	524	497	3	0
10/11/2020	510	205	247	1	0
11/11/2020	1090	369	632	2	2
12/11/2020	1272	555	646	1	2

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 13 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	25	<b>170</b>
<b>Clinical</b>	5	6	3	<b>14</b>
<b>Management Plan Change</b>	2			<b>2</b>
<b>No Consent</b>	17	4	25	<b>46</b>
<b>Other**</b>	4	67	43	<b>114</b>
<b>Total</b>	<b>108</b>	<b>142</b>	<b>96</b>	<b>346</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 30 October to 13 November.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	348	581	1871	3088	1050	6938
Bay of Plenty	286	35	103	892	26	1342
Canterbury	282	137	555	3326	196	4496
Capital and Coast	303	268	329	1859	75	2834
Counties Manukau	742	1424	1604	1763	122	5655
Hawke's Bay	103	45	41	414	18	621
Hutt Valley	128	90	139	590	21	968
Lakes	176	12	55	302	13	558
MidCentral	153	27	62	635	32	909
Nelson Marlborough	96	24	42	799	22	983
Northland	193	12	37	374	22	638
South Canterbury	15	2	10	175	9	211
Southern	134	53	167	1398	38	1790
Tairāwhiti	92	5	31	119	6	253
Taranaki	60	5	26	374	13	478
Waikato	490	70	326	1325	54	2265
Wairarapa	27	6	5	169	2	209
Waitematā	452	430	1478	3598	76	6034
West Coast	7	0	7	43	1	58
Whanganui	34	3	9	142	7	195
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4129</b>	<b>3244</b>	<b>6900</b>	<b>21429</b>	<b>1827</b>	<b>37529</b>

Table 7: Rate per 1000 people tested for COVID-19 from 30 October to 13 November.

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	8	10.36	10	11.81	12.66
Bay of Plenty	4.78	7.87	5.26	5.67	5.56
Canterbury	5.38	9.66	9.13	7.45	7.84
Capital and Coast	8.3	12.08	6.55	8.74	8.81
Counties Manukau	8.33	11.86	10.61	8.43	9.93
Hawke's Bay	2.38	7.01	4.47	3.83	3.72
Hutt Valley	4.91	7.71	7.41	6.26	6.42
Lakes	4.57	4.7	5.65	5.04	5.04
MidCentral	4.2	4.87	4	5.13	5.02
Nelson Marlborough	5.98	9.71	5.66	6.35	6.48
Northland	3.17	3.19	4.47	3.43	3.51
South Canterbury	2.82	4.1	4.23	3.39	3.53
Southern	3.99	7.7	6.47	5.23	5.36
Tairāwhiti	3.71	4.47	26.56	5.38	5.15
Taranaki	2.57	3.59	4.17	4.16	3.95
Waikato	5.08	5.25	7.39	4.92	5.35
Wairarapa	3.38	7.22	4.01	4.74	4.57
Waitematā	7.22	9.64	10.28	9.41	9.53
West Coast	1.81	0	7.57	1.59	1.81
Whanganui	1.96	1.97	3.07	3.3	3.01
<b>Total</b>	<b>5.3</b>	<b>10.1</b>	<b>9</b>	<b>6.9</b>	<b>7.6</b>

# Daily COVID-19 Situation UPDATE

## Key Facts and Figures

As at 1030

15 NOVEMBER 2020

### Statistics at a Glance

Total Active Cases in New Zealand (Community and MIQ)

**58**

**In the Community**  
(since 11 August –  
see Table 1)

New Cases since 0900  
Yesterday

**1**

Total Recovered

**189**

Total Deceased

**3**

Active Community Cases

**5**

Total Cases Since 11 August

**197**

**Imported cases in  
Managed Isolation  
and Quarantine**

New Cases since 0900  
Yesterday

**2**

Total Recovered

**267**

Active MIF/MIQ Cases

**53**

Total Imported MIQ Cases

**320**

**Laboratory  
Testing**

Total Tests in Last 24 Hours

**10,525**

Total Tests over  
Last Seven Days

**42,651**

Total Laboratory Tests

**1,179,587**



## Community Case by Outbreak

**Table 1: Community Case by Outbreak as at 0900 15 November 2020**

Outbreak	New cases (since 0900 15/11)	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	0
November Quarantine Cluster	1	5	5
<b>Total</b>	<b>1</b>	<b>197</b>	<b>5</b>

## New Zealand COVID-19 Summary

**Table 2: New Zealand COVID-19 Summary as at 0900 15 November 2020**

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	58 (+3)	1567	20	1645 (+3)
<b>Probable</b>	0	351	5	356
<b>Total</b>	58 (+3)	1918	25	2001 (+3)*

\*3 new cases

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>November Quarantine Cluster .....</i>	<i>4</i>
Imported Cases in Managed Isolation.....	8
Community Behaviour Indicators .....	9
<i>Healthline .....</i>	<i>9</i>
<i>COVID-19 App Scans .....</i>	<i>11</i>
Precautionary Testing .....	12
<i>Border and Arrival Lab Testing.....</i>	<i>12</i>
<i>Day 3 and Day 12 testing.....</i>	<i>13</i>
<i>DHB Testing by Ethnicity.....</i>	<i>14</i>

## Cases in the Community

- There has been **one** new community case since **13 November 2020**.
- The total number of active cases in the community is **five**.
- **The new case was reported as under investigation in yesterday's 1230 SitRep. They have been confirmed positive and are linked to the November Quarantine Cluster.**

## November Quarantine Cluster

- **Five** cases have been identified in the November Quarantine Cluster:
  - Case A worked at the Jet Park MIQ;
  - Case B was a close contact of Case A;
  - Case C is a close contact of Case B;
  - Case D is genomically linked to Case A and was previously the subject of the Auckland November Incident; and
  - **Case E is a close contact of Case D.**

### Case A

- On 05 November, Case A developed symptoms and tested positive. Their last routine test on 03 November was negative, but when rerun, returned an extremely weak positive.
- Case A is in quarantine at Jet Park. All 25 of their close contacts are in isolation, with 24 having returned negative results.
- All occupants at Case A's accommodation returned negative test results.
- The source of the NZDF worker is almost certainly at JetPark. The case has been genomically linked to a family at JetPark however it is one mutation apart suggesting a missing infectious source.
- There may be an intermediary case involved; however, the investigation has revealed no evidence to support this (e.g. an intermediary case has not been identified). ARPHS is awaiting confirmation from ESR about whether the other border cases in JetPark at the time have all been sequenced in order to rule this hypothesis out with a high degree of certainty.
- **s 9(2)(a)**

### Case B

- Case B is a close contact of Case A. Case B flew from Auckland to Wellington on 05 November. Several exposure events have been identified for Case B in Auckland and Wellington.
- Case B is in quarantine at the Grand Mercure Hotel in Wellington.
- Genomic sequencing for Case B matched with that of Case A.
- Case B's close workplace contacts and close contacts from the flight undertook day 5 tests on 11 November. All day 5 contacts have returned a negative test with the exception of Case C.

### **Case C**

- On 11 November, a close contact of Case B (Case C) tested positive after developing symptoms. Case C had been self-isolating since the evening of 07 November and returned a negative result on day 3 testing.
- Case C is in quarantine at the Grand Mercure Hotel.
- **Three household contacts of Case C are due Day 5 swabs today.**

### **Case D**

- Preliminary results from the genomic sequencing indicate the B.1.3.6 lineage, which is the same genomic sequence as Case A of November Quarantine Cluster.
- This case was identified on the morning of 12 November. On Monday 09 November, the case became symptomatic and had a phone consultation and test in the late evening on 10 November.
- Case interview and scoping, identification of close contacts and consideration of testing requirements is underway.
- At this stage, 5 close contacts have been identified. 3 close contacts have returned a negative test.
- The case has moved to Jet Park.
- Senior health protection officers have been deployed to the case's apartment (Vincent Residences) to provide public health messaging and guidance.
- ARPHS has provided advice to all occupants at the Vincent Residences on where to seek assistance for welfare and health concerns.
- Posters have been sent to all locations of interest displaying appropriate health advice, including testing information.
- The Source Attribution Investigation continues in an effort to identify the epidemiological link between cases A and D. This investigation is being led by ARPHS with assistance from NZ Police, providing investigative and intelligence resources.
- Existing CTCs and GP Clinics around the greater Auckland area continue to provide testing services and report steady volumes. Public messaging continues to advise people to be tested at their nearest facility.

### **Case E**


- **Case E is a close contact of Case D and lives in the same building.**
- **They have been in quarantine at Jet Park since 12 November.**
- **Case interview and scoping, identification of close contacts and consideration of testing requirements is underway.**
- **A decision around push-notifications will be made based on scoping.**

### *International Mariners (Sudima Staff Members)*


- There are no active cases associated with this event.

## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.

## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 15 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
320	53

- Two new cases have been detected at the border since 0900 14 November.
  - Case 1 arrived from the UK (via Qatar and Australia) on 10 November. They tested positive during day 3 routine testing at s 9(2)(a) and will be transferred to Jet Park.
  - Case 2 arrived from Dubai on 10 November and tested positive during day 3 routine testing. They have been transferred to Jet Park.

# Community Behaviour Indicators

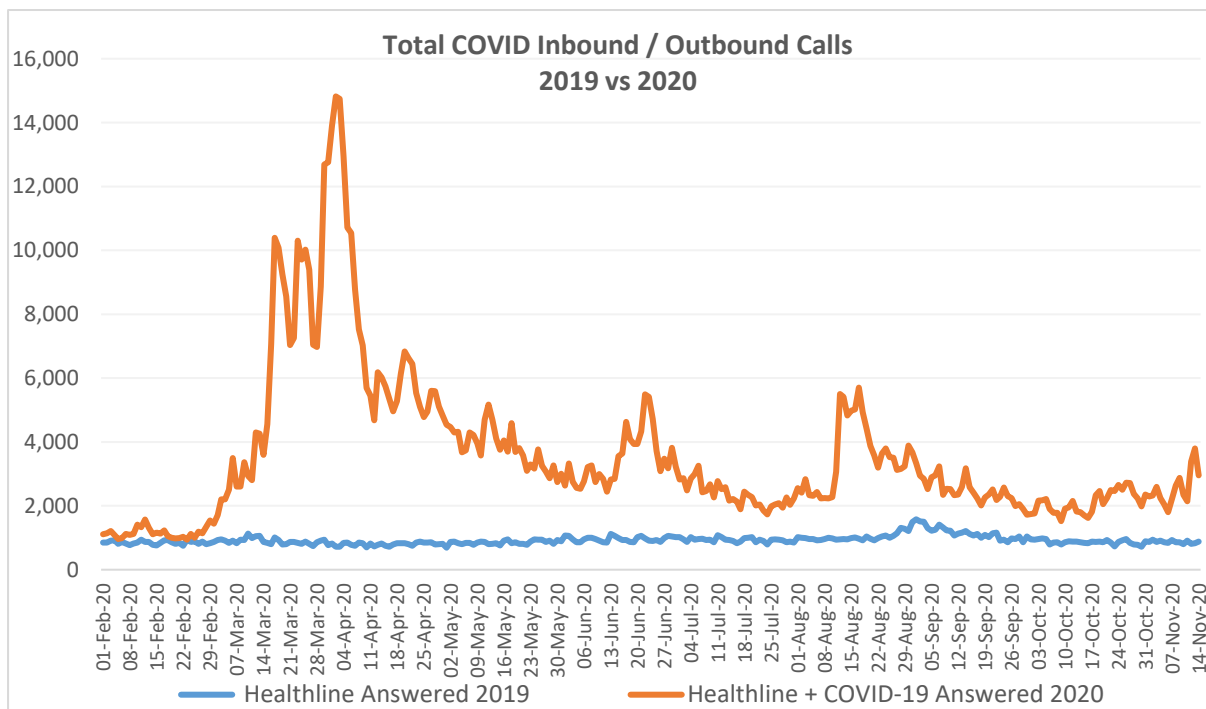
## Healthline

- On 13 November 2020 there were 2,953 contacts in Healthline. Of those calls, 1,126 were to the COVID-19 Info Line.

The main themes yesterday were:

- The biggest driver of volume is related to the Auckland case
- There continues to be confusion relating to:
  - Advice for different exposure events
  - Definition of the CBD and calls from employers wanting to know if the messages from Friday will apply on Monday
  - There is some emerging racism towards the Chinese community
- Referrals for surveillance testing

**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**

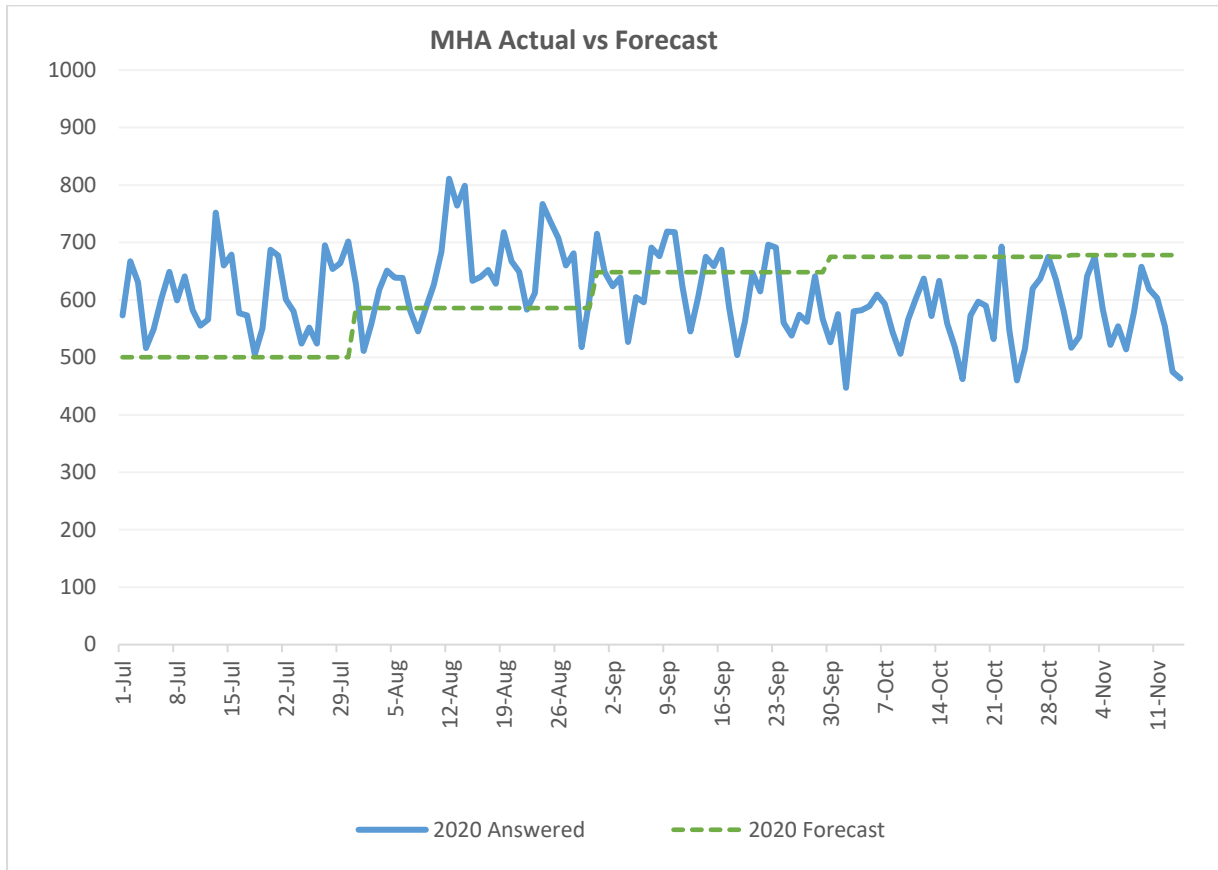




### Healthline Mental Health Response

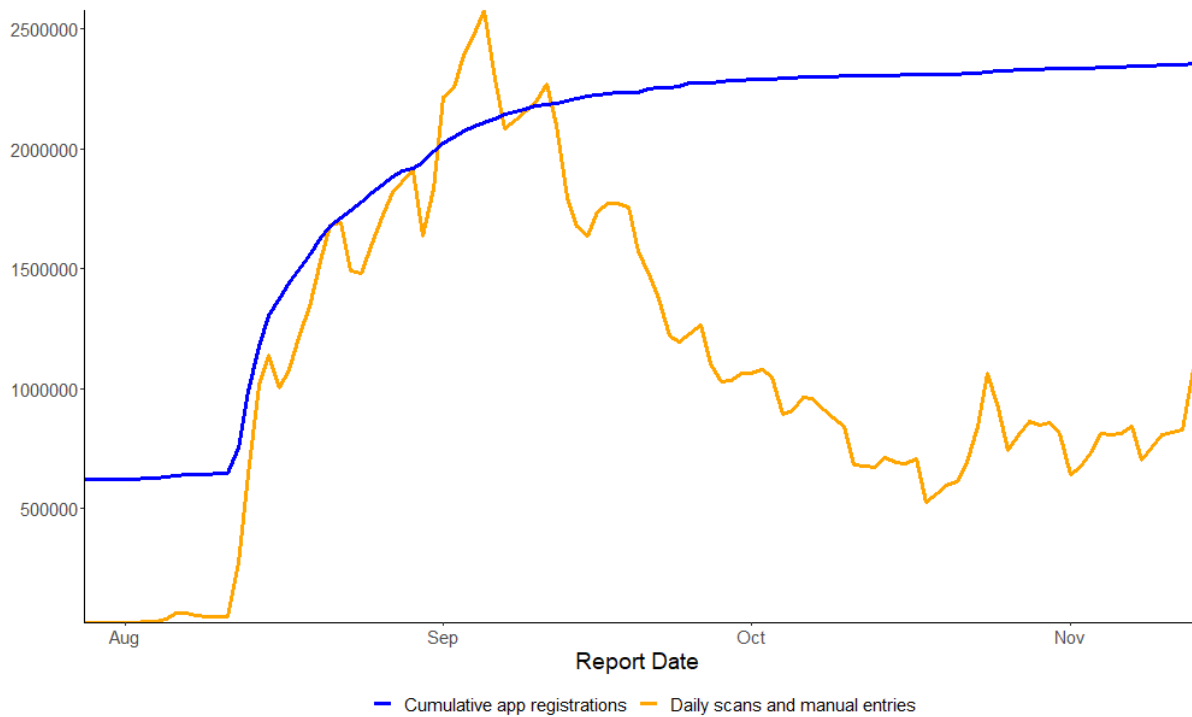
On 14 November 2020, ,953 calls were answered, compared to 879 on the same day last year.

**Figure 2: Healthline Mental Health Response**

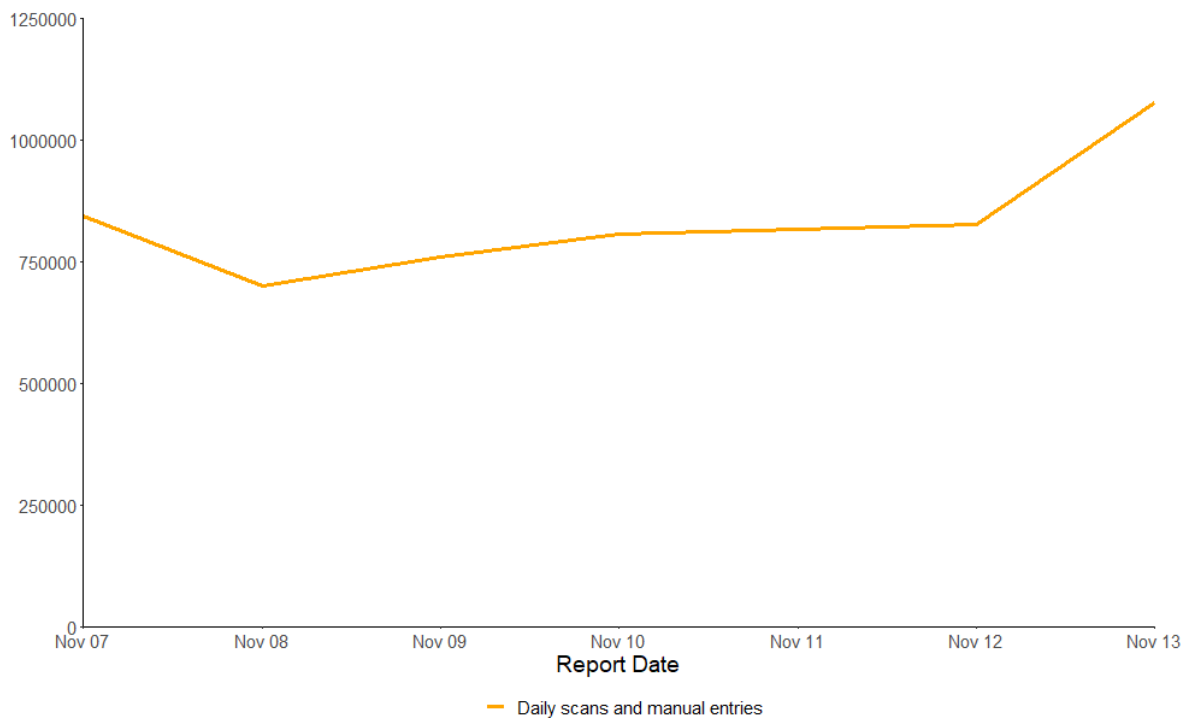


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 13 November 2020**



**Figure 4: COVID-19 Tracer App daily scans/manual entries for the past week as at 1600 13 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 14 November 2020**

Grouping	Reason for test:	08 Nov	09 Nov	10 Nov	11 Nov	12 Nov	13 Nov	14 Nov	Weekly Total
Border workers	Air Crew	14	28	66	108	28	62	69	375
	Airport Staff	71	65	219	248	158	204	199	1164
	Maritime Crew	0	0	0	0	4	18	37	59
	MIF Staff	270	185	368	244	532	361	485	2445
	MIQ Staff	35	34	17	25	30	43	48	232
	Port Staff-Port of Tauranga Ltd	4	1	10	0	51	19	20	105
	Port Staff – Port of Auckland	19	7	62	5	97	80	83	353
	Port Staff-Remainder	0	22	79	67	71	85	5	329
Community	CTCs And Pop-Ups	1135	1021	2437	2563	2542	2553	4470	16721
	GPs and Other Primary Health	534	628	2222	2546	2427	2353	4217	14927
Travellers	Staying At MIF	956	965	501	752	1268	524	880	5846
	Staying At MIQ	4	4	15	23	19	18	12	95
Total		3042	2960	5996	6581	7227	6320	10525	42651

*Day 3 and Day 12 testing***Table 4: MIQ/MIF guest testing as at 1000 15 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
1/11/2020	628	313	267	2	2
2/11/2020	885	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	965	590	310	2	0
5/11/2020	1114	408	633	1	0
6/11/2020	989	454	480	1	0
7/11/2020	636	339	239	6	0
8/11/2020	754	119	603	1	1
9/11/2020	1062	525	497	3	0
10/11/2020	510	205	247	1	0
11/11/2020	1090	369	632	2	2
12/11/2020	1276	555	646	1	2
13/11/2020	611	267	246	0	1
14/11/2020	821	429	288	3	0

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 15 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	34	179
<b>Clinical</b>	5	6	5	16
<b>Management Plan Change</b>	2			2
<b>No Consent</b>	17	4	28	49
<b>Other**</b>	4	67	52	123
<b>Total</b>	<b>108</b>	<b>142</b>	<b>119</b>	<b>369</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 31 October to 14 November.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	425	640	2456	3761	1097	8379
Bay of Plenty	286	33	144	885	23	1371
Canterbury	285	138	564	3380	207	4574
Capital and Coast	326	278	365	2099	75	3143
Counties Manukau	828	1540	1858	2022	127	6375
Hawke's Bay	108	46	44	446	15	659
Hutt Valley	140	94	148	649	22	1053
Lakes	184	14	54	322	14	588
MidCentral	155	31	62	663	31	942
Nelson Marlborough	96	25	42	819	25	1007
Northland	203	14	38	374	24	653
South Canterbury	15	2	11	181	8	217
Southern	132	54	179	1483	44	1892
Tairāwhiti	99	5	31	128	6	269
Taranaki	61	5	27	405	14	512
Waikato	494	69	354	1408	59	2384
Wairarapa	26	6	4	176	5	217
Waitematā	508	479	1821	4149	80	7037
West Coast	6	0	7	38	1	52
Whanganui	32	3	9	143	7	194
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4416</b>	<b>3491</b>	<b>8225</b>	<b>23580</b>	<b>1892</b>	<b>41604</b>

Table 7: Rate per 1000 people tested for COVID-19 from 31 October to 14 November.

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	9.77	11.41	13.12	14.39	15.29
Bay of Plenty	4.78	7.42	7.35	5.62	5.68
Canterbury	5.43	9.73	9.28	7.58	7.97
Capital and Coast	8.92	12.54	7.27	9.87	9.77
Counties Manukau	9.30	12.82	12.29	9.66	11.19
Hawke's Bay	2.50	7.17	4.80	4.13	3.95
Hutt Valley	5.37	8.05	7.89	6.89	6.98
Lakes	4.78	5.48	5.55	5.37	5.31
MidCentral	4.26	5.59	4.00	5.36	5.20
Nelson Marlborough	5.98	10.12	5.66	6.51	6.63
Northland	3.34	3.72	4.59	3.43	3.59
South Canterbury	2.82	4.10	4.65	3.50	3.63
Southern	3.93	7.84	6.94	5.54	5.67
Tairāwhiti	4.00	4.47	26.56	5.79	5.47
Taranaki	2.61	3.59	4.34	4.51	4.24
Waikato	5.12	5.18	8.02	5.23	5.64
Wairarapa	3.26	7.22	3.21	4.93	4.75
Waitematā	8.12	10.74	12.66	10.85	11.11
West Coast	1.55	0.00	7.57	1.41	1.62
Whanganui	1.84	1.97	3.07	3.32	2.99
<b>Total</b>	<b>5.7</b>	<b>10.9</b>	<b>10.7</b>	<b>7.6</b>	<b>8.4</b>

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 1030

16 NOVEMBER 2020

### ***Statistics at a Glance***

Total Active Cases in New Zealand (Community and MIQ)

**58**

***In the Community  
(since 11 August –  
see Table 1)***

New Cases since 0900  
Yesterday

**0**

Total Recovered

**189**

Total Deceased

**3**

Active Community Cases

**5**

Total Cases Since 11 August

**197**

***Imported cases in  
Managed Isolation  
and Quarantine***

New Cases since 0900  
Yesterday

**1**

Total Recovered

**267**

Active MIF/MIQ Cases

**53**

Total Imported MIQ Cases

**320**

***Laboratory  
Testing***

Total Tests in Last 24 Hours

**5,298**

Total Tests over  
Last Seven Days

**44,907**

Total Laboratory Tests

**1,184,885**

## Community Case by Outbreak

**Table 1: Community Case by Outbreak as at 0900 16 November 2020**

Outbreak	New cases (since 0900 16/11)	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	0
November Quarantine Cluster	0	5	5
<b>Total</b>	<b>0</b>	<b>197</b>	<b>5</b>

## New Zealand COVID-19 Summary

**Table 2: New Zealand COVID-19 Summary as at 0900 16 November 2020**

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	58*	1567	20	1645
<b>Probable</b>	0	351	5	356
<b>Total</b>	58*	1918	25	2001

\*1 new case in managed isolation. 1 previously confirmed case has been reclassified as under investigation.



## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>November Quarantine Cluster .....</i>	<i>4</i>
Imported Cases in Managed Isolation.....	7
Community Behaviour Indicators .....	8
<i>Healthline .....</i>	<i>8</i>
<i>COVID-19 App Scans .....</i>	<i>10</i>
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing.....</i>	<i>11</i>
<i>Day 3 and Day 12 testing.....</i>	<i>11</i>
<i>DHB Testing by Ethnicity.....</i>	<i>13</i>

## Cases in the Community

- There has been **zero** new community case since **15 November 2020**.
- The total number of active cases in the community is **five**.

### *November Quarantine Cluster*

- Five cases have been identified in the November Quarantine Cluster:
  - Case A worked at the Jet Park MIQ;
  - Case B was a close contact of Case A;
  - Case C is a close contact of Case B;
  - Case D is genomically linked to Case A and was previously the subject of the Auckland November Incident; and
  - Case E is a close contact of Case D.

### **Case A**

- On 05 November, Case A developed symptoms and tested positive. Their last routine test on 03 November was negative, but when rerun, returned an extremely weak positive.
- Case A is in quarantine at Jet Park. All 25 of their close contacts are in isolation, with 24 having returned negative results.
- All occupants at Case A's accommodation returned negative test results.
- The source of the NZDF worker is almost certainly at JetPark. The case has been genomically linked to a family at JetPark however it is one mutation apart suggesting a missing infectious source.
- There may be an intermediary case involved; however, the investigation has revealed no evidence to support this (e.g. an intermediary case has not been identified). ARPHS is awaiting confirmation from ESR about whether the other border cases in JetPark at the time have all been sequenced in order to rule this hypothesis out with a high degree of certainty.
- **s 9(2)(a)**

### **Case B**

- Case B is a close contact of Case A. Case B flew from Auckland to Wellington on 05 November. Several exposure events have been identified for Case B in Auckland and Wellington.
- Case B is in quarantine at the Grand Mercure Hotel in Wellington.
- Genomic sequencing for Case B matched with that of Case A.
- Case B's close workplace contacts and close contacts from the flight undertook day 5 tests on 11 November. All day 5 contacts have returned a negative test with the exception of Case C.

### **Case C**

- On 11 November, a close contact of Case B (Case C) tested positive after developing symptoms. Case C had been self-isolating since the evening of 07 November and returned a negative result on day 3 testing.
- Case C is in quarantine at the Grand Mercure Hotel.
- **Three household with close contacts in MIQF have now been released following contacts receiving negative Day 5 swabs.**

### **Case D**

- Preliminary results from the genomic sequencing indicate the B.1.3.6 lineage, which is the same genomic sequence as Case A of the November Quarantine Cluster.
- This case was identified on the morning of 12 November. On Monday 09 November, the case became symptomatic and had a phone consultation and test in the late evening on 10 November.
- Case interview and scoping, identification of close contacts and consideration of testing requirements is underway.
- **6 close contacts have been identified and tested (1 positive, 4 negative, 1 pending).**
- The case has moved to Jet Park.
- Senior health protection officers deployed to the case's apartment (Vincent Residences) to provide public health messaging and guidance.
- ARPHS has provided advice to all occupants at the Vincent Residences on where to seek assistance for welfare and health concerns.
- Posters have been sent to all locations of interest displaying appropriate health advice, including testing information.
- The Source Attribution Investigation continues in an effort to identify the epidemiological link between cases A and D. This investigation is being led by ARPHS with assistance from NZ Police, providing investigative and intelligence resources.
- **Two pop-up testing stations in the CBD**, and CTCs and GP Clinics around the greater Auckland area continue to provide testing services and report steady volumes. Public messaging continues to advise people to be tested at their nearest facility.

### **Case E**


- Case E is a close contact of Case D and lives in the same building. **Genomic sequencing indicates the same lineage as Case D, with one additional mutation.**
- They have been in quarantine at Jet Park since 12 November.
- Case interview and scoping, identification of close contacts and consideration of testing requirements is underway. **11 close contacts have been identified (9 negative, 2 pending)**

### ***International Mariners (Sudima Staff Members)***


- There are no active cases associated with this event. **Reporting will cease from today.**

## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.

## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 16 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
320	53

- One new case have been detected at the border.
  - Case 1 arrived from Singapore on 11 November and tested positive on day 3 at s 9(2)(a) in Auckland. They will be transferred to Jet Park.

# Community Behaviour Indicators

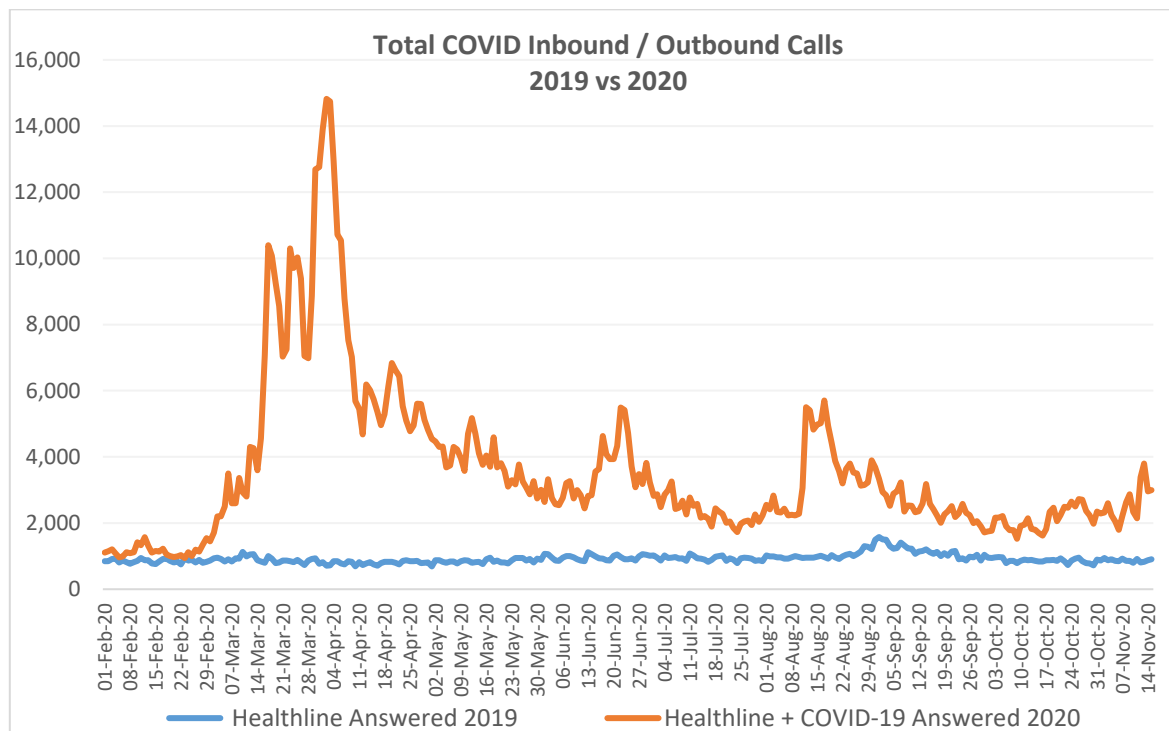
## Healthline

- On 15 November 2020 there were 2,997 contacts in Healthline. Of those calls, 1,161 were to the COVID-19 Info Line.

The main themes yesterday were:

- The biggest driver of volume is related to the Auckland case
- There continues to be confusion relating to:
  - Advice for different exposure events
  - Definition of the CBD and calls from employers wanting to know if the messages from Friday will apply on Monday
  - There is some emerging racism towards the Chinese community
- Referrals for surveillance testing
- Questions from employers asking if they can force staff to have a test before coming or returning to work

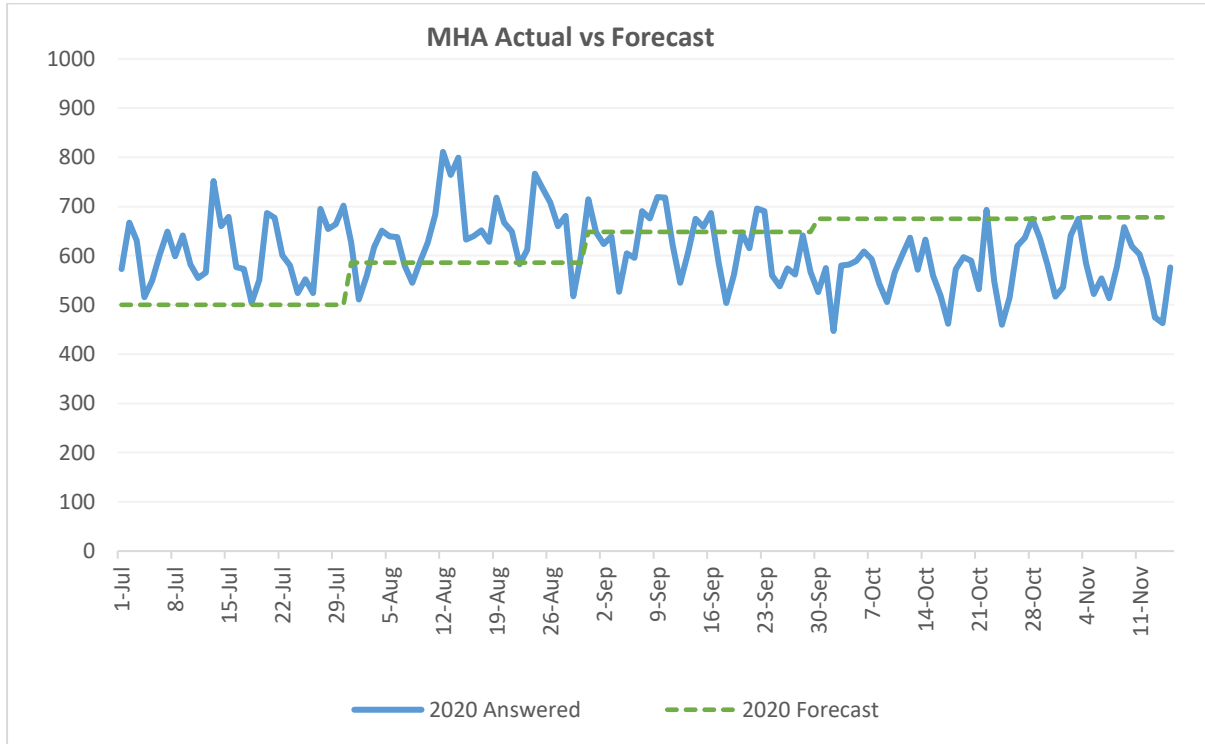
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



### Healthline Mental Health Response

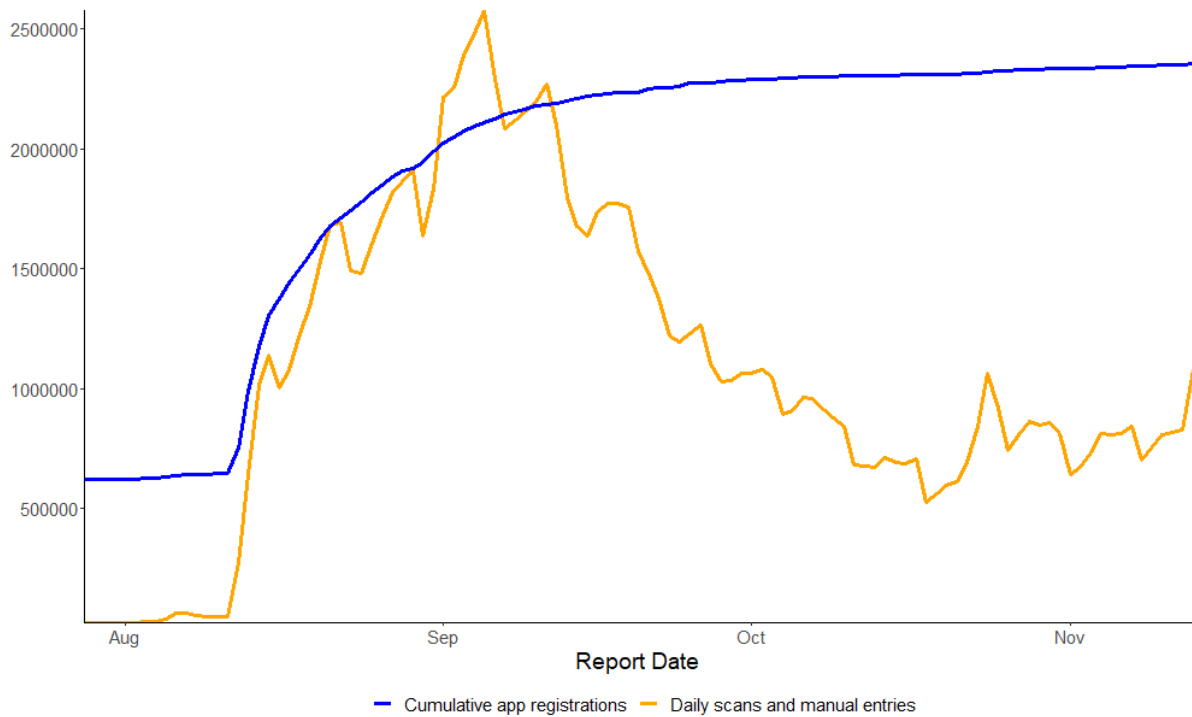
On 15 November 2020, 576 calls were answered, compared to 486 on the same day last year.

**Figure 2: Healthline Mental Health Response**

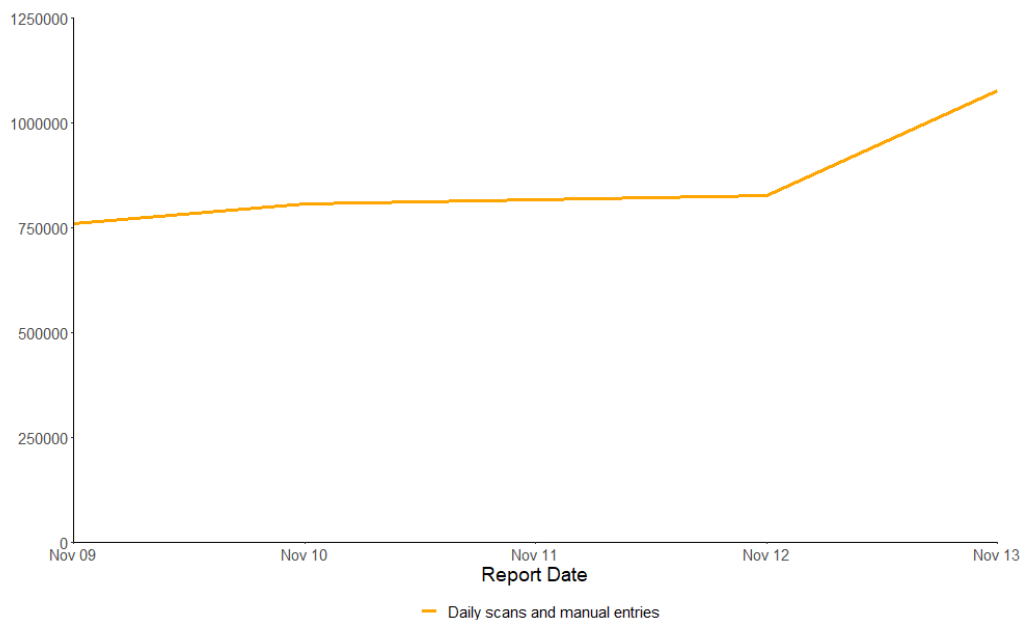


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 15 November 2020**



**Figure 4: COVID-19 Tracer App daily scans/manual entries for the past week as at 1600 15 November 2020**





## Precautionary Testing

### Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 16 November 2020**

Grouping	Reason for test:	09 Nov	10 Nov	11 Nov	12 Nov	13 Nov	14 Nov	15 Nov	Weekly Total
Border workers	Air Crew	28	66	108	28	62	69	24	385
	Airport Staff	65	219	248	158	204	199	79	1172
	Maritime Crew	0	0	0	4	18	37	0	59
	MIF Staff	185	368	244	532	361	485	207	2382
	MIQ Staff	34	17	25	30	43	48	24	221
	Port Staff-Port of Tauranga Ltd	1	10	0	51	19	20	6	107
	Port Staff – Port of Auckland	7	62	5	97	80	83	4	338
	Port Staff-Remainder	22	79	67	71	85	5	1	330
Community	CTCs And Pop-Ups	1022	2460	2589	2607	2621	4999	2450	18748
	GPs and Other Primary Health	627	2199	2520	2362	2285	3688	1573	15254
Travellers	Staying At MIF	965	501	752	1268	524	880	914	5804
	Staying At MIQ	4	15	23	19	18	12	16	107
Total		2960	5996	6581	7227	6320	10525	5298	44907

### Day 3 and Day 12 testing

**Table 4: MIQ/MIF guest testing as at 1000 16 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
2/11/2020	885	521	326	2	1
3/11/2020	740	419	254	0	0
4/11/2020	965	590	310	2	0
5/11/2020	1114	408	633	1	0
6/11/2020	989	454	480	1	0
7/11/2020	636	339	239	6	0
8/11/2020	754	119	603	1	1
9/11/2020	1062	525	497	3	0
10/11/2020	510	205	247	1	0
11/11/2020	1090	369	632	2	2
12/11/2020	1276	555	646	1	2
13/11/2020	611	267	246	0	1
14/11/2020	824	432	288	3	0
15/11/2020	1150	426	657	4	0

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 16 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	44	189
<b>Clinical</b>	5	6	7	18
<b>Management Plan Change</b>	2			2
<b>No Consent</b>	17	4	34	55
<b>Other**</b>	4	67	53	124
<b>Total</b>	<b>108</b>	<b>142</b>	<b>138</b>	<b>388</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 01 November to 15 November.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	459	677	2690	4134	1075	9035
Bay of Plenty	288	33	145	943	23	1432
Canterbury	293	135	569	3395	198	4590
Capital and Coast	323	278	372	2093	90	3156
Counties Manukau	829	1528	1915	2076	119	6467
Hawke's Bay	110	46	42	441	15	654
Hutt Valley	143	96	147	661	21	1068
Lakes	187	14	55	314	15	585
MidCentral	156	31	61	665	29	942
Nelson Marlborough	94	25	42	813	26	1000
Northland	205	14	38	407	24	688
South Canterbury	15	2	14	180	8	219
Southern	131	55	182	1467	41	1876
Tairāwhiti	100	5	31	126	6	268
Taranaki	62	4	27	407	13	513
Waikato	498	71	352	1451	58	2430
Wairarapa	30	8	4	187	4	233
Waitematā	523	482	2009	4336	75	7425
West Coast	10	0	5	44	1	60
Whanganui	33	2	9	143	7	194
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4496</b>	<b>3520</b>	<b>8719</b>	<b>24330</b>	<b>1855</b>	<b>42920</b>

Table 7: Rate per 1000 people tested for COVID-19 from 01 November to 15 November.

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	10.55	12.07	14.37	15.81	16.48
Bay of Plenty	4.82	7.42	7.4	5.99	5.94
Canterbury	5.59	9.52	9.36	7.61	8
Capital and Coast	8.84	12.54	7.41	9.84	9.81
Counties Manukau	9.31	12.72	12.67	9.92	11.36
Hawke's Bay	2.54	7.17	4.58	4.08	3.92
Hutt Valley	5.49	8.22	7.83	7.01	7.08
Lakes	4.86	5.48	5.65	5.24	5.28
MidCentral	4.29	5.59	3.93	5.37	5.2
Nelson Marlborough	5.86	10.12	5.66	6.46	6.59
Northland	3.37	3.72	4.59	3.73	3.78
South Canterbury	2.82	4.1	5.92	3.48	3.66
Southern	3.9	7.99	7.05	5.48	5.62
Tairāwhiti	4.04	4.47	26.56	5.7	5.45
Taranaki	2.66	2.87	4.34	4.53	4.24
Waikato	5.17	5.33	7.98	5.39	5.74
Wairarapa	3.76	9.62	3.21	5.24	5.09
Waitematā	8.36	10.81	13.97	11.34	11.72
West Coast	2.58	0	5.41	1.63	1.87
Whanganui	1.9	1.31	3.07	3.32	2.99
<b>Total</b>	<b>5.8</b>	<b>11</b>	<b>11.4</b>	<b>7.9</b>	<b>8.7</b>

# Daily COVID-19 Situation UPDATE

## Key Facts and Figures

As at 1030

17 NOVEMBER 2020

### Statistics at a Glance

Total Active Cases in New Zealand (Community and MIQ)

**61**

**In the Community**  
(since 11 August –  
see Table 1)

New Cases since 0900  
Yesterday

**0**

Total Recovered

**190**

Total Deceased

**3**

Active Community Cases

**4**

Total Cases Since 11 August

**197**

**Imported cases in  
Managed Isolation  
and Quarantine**

New Cases since 0900  
Yesterday

**4**

Total Recovered

**267**

Active MIF/MIQ Cases

**57**

Total Imported MIQ Cases

**324**

**Laboratory  
Testing**

Total Tests in Last 24 Hours

**6,146**

Total Tests over  
Last Seven Days

**48,096**

Total Laboratory Tests

**1,191,034**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at 0900 17 November 2020

Outbreak	New cases (since 0900 16/11)	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	0
November Quarantine Cluster	0	5	4
<b>Total</b>	<b>0</b>	<b>197</b>	<b>4</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at 0900 17 November 2020

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	61 (3)*	1568 (1)	20	1649 (4)
<b>Probable</b>	0	351	5	356
<b>Total</b>	61 (3)*	1919 (1)	25	2005 (4)

\*1 community case (Case A) has recovered, 4 new imported cases

## Contents

Community Case by Outbreak.....	2
New Zealand COVID-19 Summary .....	2
Cases in the Community.....	4
<i>November Quarantine Cluster .....</i>	<i>4</i>
Imported Cases in Managed Isolation.....	7
Community Behaviour Indicators .....	7
<i>Healthline .....</i>	<i>8</i>
<i>COVID-19 App Scans .....</i>	<i>9</i>
Precautionary Testing .....	11
<i>Border and Arrival Lab Testing.....</i>	<i>11</i>
<i>Day 3 and Day 12 testing.....</i>	<i>11</i>
<i>DHB Testing by Ethnicity.....</i>	<i>13</i>

## Cases in the Community

- There have been zero new community case since 15 November 2020.
- The total number of active cases in the community is **four**.

### *November Quarantine Cluster*

- Five cases have been identified in the November Quarantine Cluster:
  - Case A worked at the Jet Park MIQ;
  - Case B was a close contact of Case A;
  - Case C is a close contact of Case B;
  - Case D is genomically linked to Case A and was previously the subject of the Auckland November Incident; and
  - Case E is a close contact of Case D.

### **Case A**

- On 05 November, Case A developed symptoms and tested positive. Their last routine test on 03 November was negative, but when rerun, returned an extremely weak positive.
- All 24 of their close contacts are in isolation, with 23 having returned initial negative results. **19 of the 24 close contacts have returned negative day 12 results (5 pending).**
- All occupants at Case A's accommodation returned negative test results.
- The source of the NZDF worker is almost certainly at JetPark. The case has been genomically linked to a family at JetPark however it is one mutation apart suggesting a missing infectious source.
- There may be an intermediary case involved; however, the investigation has revealed no evidence to support this (e.g. an intermediary case has not been identified). ARPHS is awaiting confirmation from ESR about whether the other border cases in JetPark at the time have all been sequenced in order to rule this hypothesis out with a high degree of certainty.
- **s 9(2)(a)**
- **Case A has recovered and has been discharged from Jet Park.**

### **Case B**

- Case B is a close contact of Case A. Case B flew from Auckland to Wellington on 05 November. Several exposure events have been identified for Case B in Auckland and Wellington.
- Case B is in quarantine at the Grand Mercure Hotel in Wellington.
- Genomic sequencing for Case B matched with that of Case A.
- Case B's close workplace contacts and close contacts from the flight undertook day 5 tests on 11 November. All day 5 contacts have returned a negative test with the exception of Case C.
- **Case B's close contacts day 12 test results are pending.**



### **Case C**

- On 11 November, a close contact of Case B (Case C) tested positive after developing symptoms. Case C had been self-isolating since the evening of 07 November and returned a negative result on day 3 testing.
- Case C is in quarantine at the Grand Mercure Hotel.
- Three household with close contacts in MIQF have now been released following contacts receiving negative Day 5 swabs.
- **Case C's close contacts have all received negative initial tests.**

### **Case D**

- Preliminary results from the genomic sequencing indicate the B.1.3.6 lineage, which is the same genomic sequence as Case A of the November Quarantine Cluster.
- This case was identified on the morning of 12 November. On Monday 09 November, the case became symptomatic and had a phone consultation and test in the late evening on 10 November.
- 6 close contacts have been identified and tested (1 positive, 4 negative, 1 pending).
- The case has moved to Jet Park.
- The Source Attribution Investigation continues in an effort to identify the epidemiological link between cases A and D. This investigation is being led by ARPHS with assistance from NZ Police, providing investigative and intelligence resources.
- **One pop-up testing station in the CBD in vicinity of High Street will remain open for the remainder of the week.** CTCs and GP Clinics around the greater Auckland area continue to provide testing services and report steady volumes. Public messaging continues to advise people to be tested at their nearest facility.

### **Case E**


- Case E is a close contact of Case D and lives in the same building. Genomic sequencing indicates the same lineage as Case D, with one additional mutation.
- They have been in quarantine at Jet Park since 12 November.
- Case interview and scoping, identification of close contacts and consideration of testing continues.
- **11 close contacts have returned negative initial test results.**

### ***International Mariners (Sudima Staff Members)***

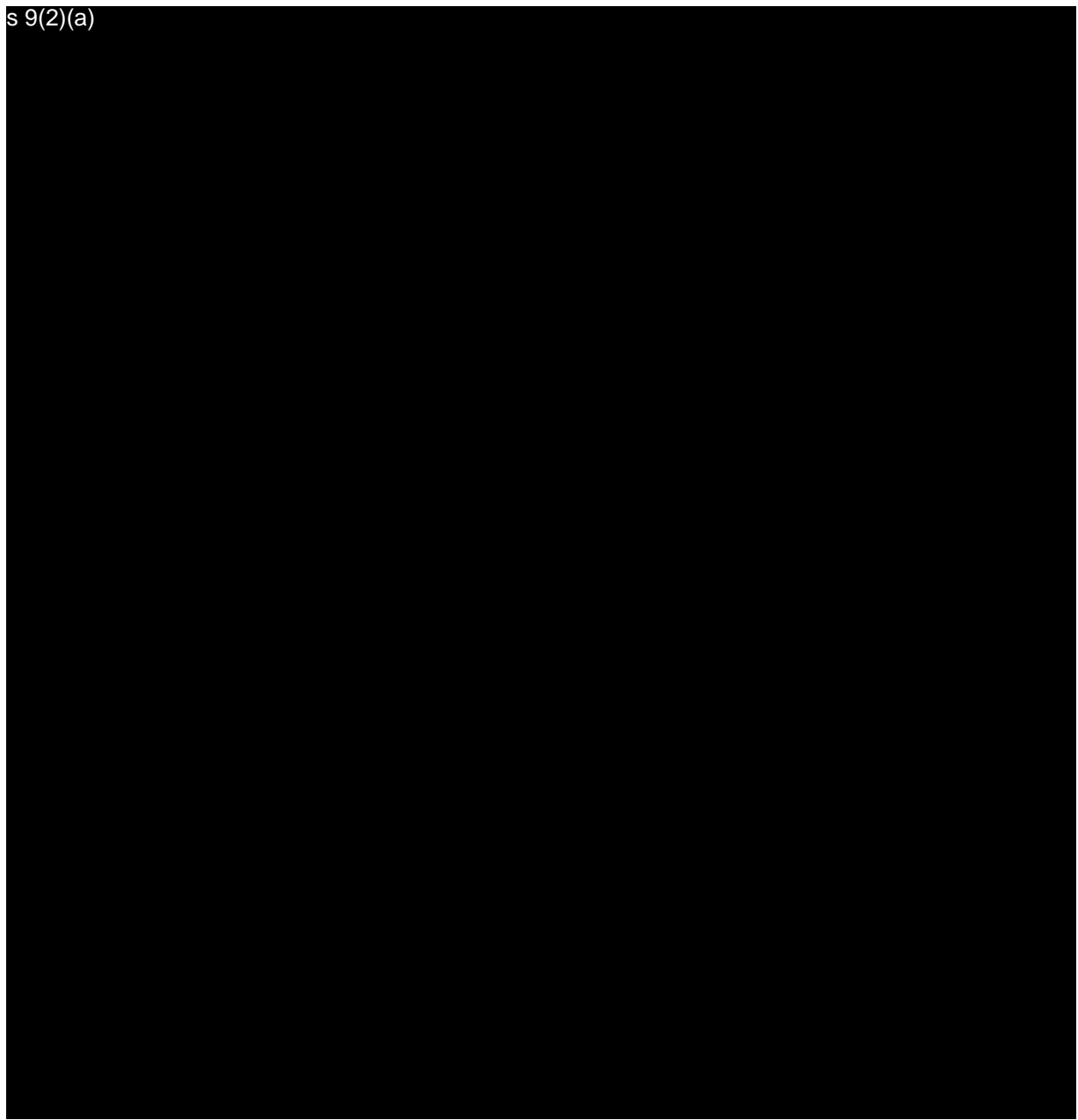
- There are no active cases associated with this event. **The cluster will close on 12 December.**

## *Community Case Contact Testing*

s 9(2)(a)

A small black rectangular redaction box covering a line of text.

s 9(2)(a)

A large black rectangular redaction box covering the majority of the page content below the first redaction.

## Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 17 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
324	57

- Four new cases have been detected at the border. All cases are now at Jet Park.
  - Case 1 arrived from the United Kingdom (via Qatar and Australia) on 12 November. They tested positive during day 3 routine testing.
  - Case 2 arrived from France (via Qatar and Australia) on 12 November. They tested positive during day 3 routine testing.
  - Case 3 arrived from the United Kingdom (via Qatar and Australia) on 12 November. They tested positive during day 3 routine testing.
  - Case 4 arrived on 5 November from Qatar (via Australia). They tested positive during day 11 testing.

# Community Behaviour Indicators

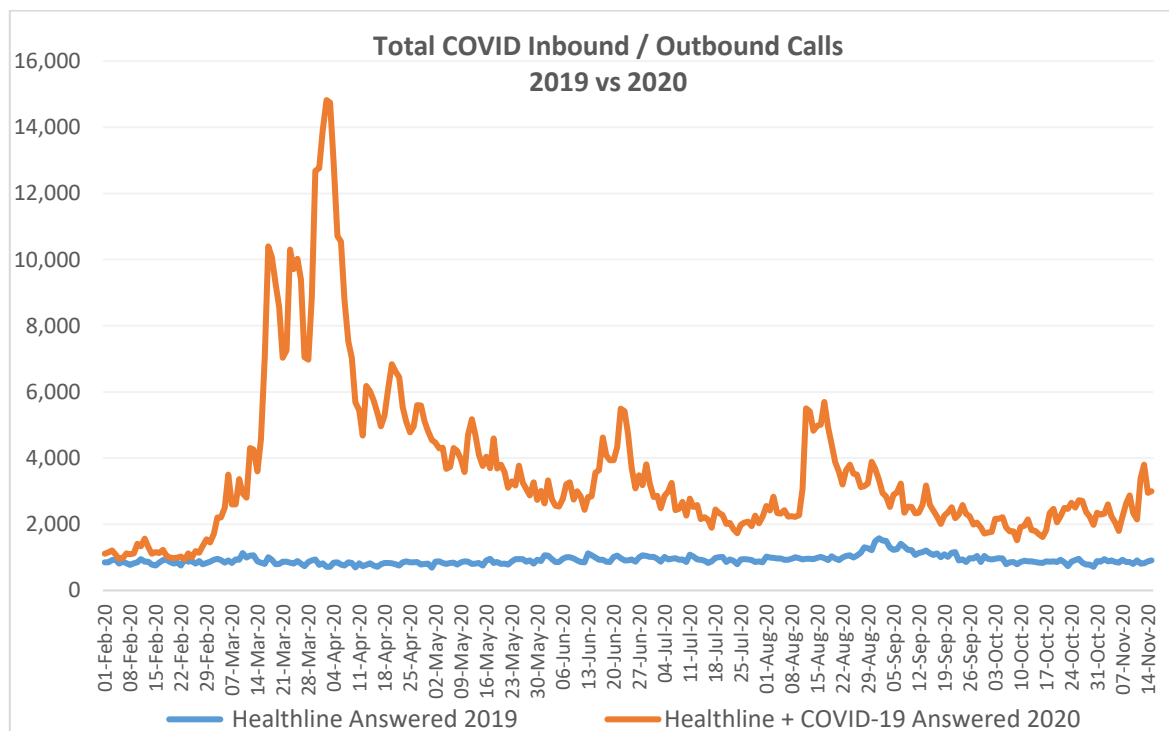
## Healthline

- On 16 November 2020 there were 3,130 contacts in Healthline compared to 883 on the same day last year. Of those calls, 1,637 were to the COVID-19 Info Line.
- Demand on 1737 Need to talk? And other mental health services were 695 contacts (higher than forecasted).

The main themes yesterday were:

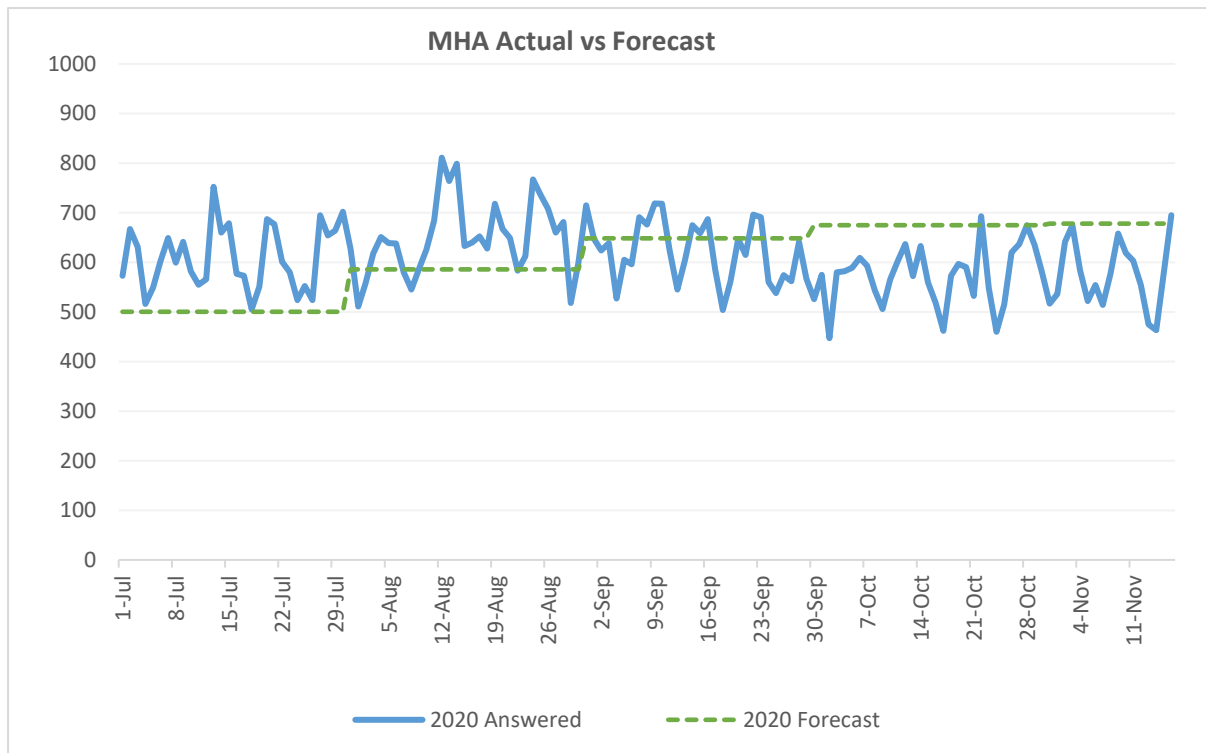
- The biggest driver of volume is related to the Auckland case.
- Continue to receive calls from people who had been casual contacts of the various exposure events.
- Referrals for surveillance testing note that several non-Auckland region testing sites were not accepting the surveillance codes – this was discussed with the PHU's.
- Questions from employers asking if they can force staff to have a test before coming or returning to work

**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



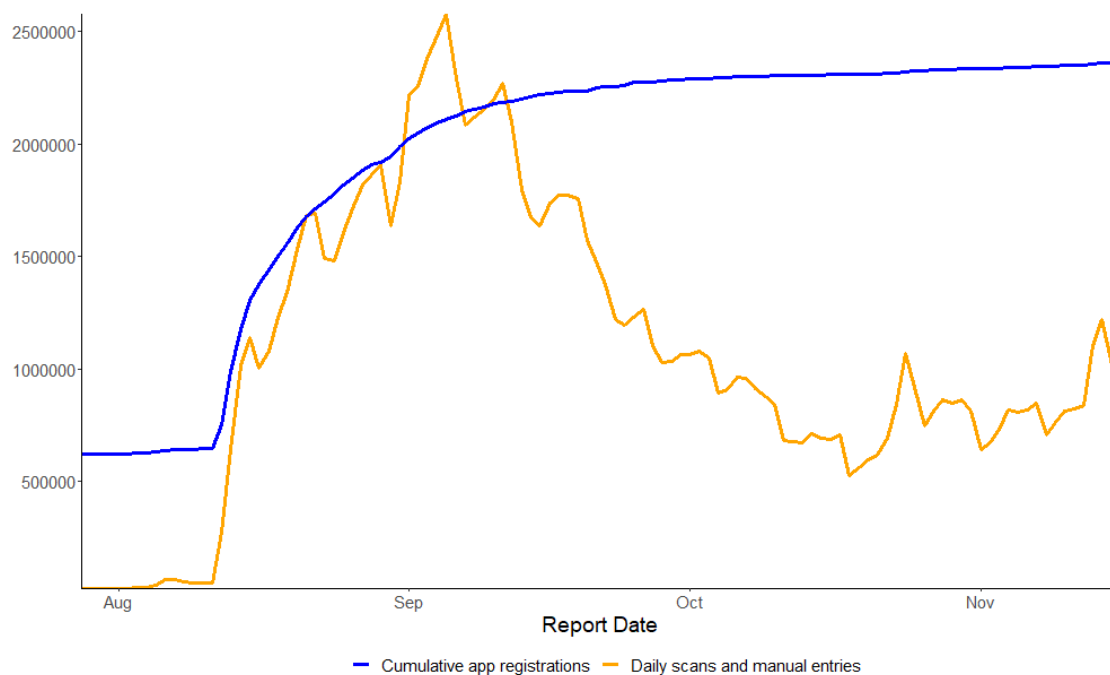
## Healthline Mental Health Response

Figure 2: Healthline Mental Health Response

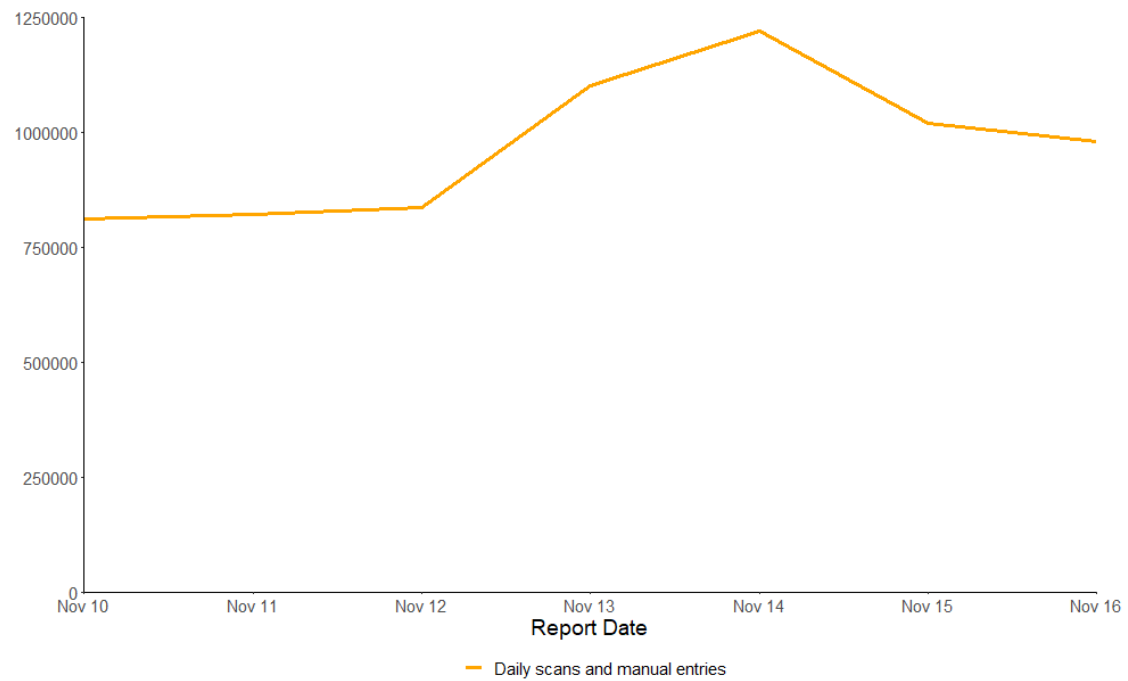


## COVID-19 App Scans

Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 16 November 2020



**Figure 4: COVID-19 Tracer App daily scans/manual entries for the past week as at 1600 16 November 2020**



## Precautionary Testing

### Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 17 November 2020**

Grouping	Reason for test:	10 Nov	11 Nov	12 Nov	13 Nov	14 Nov	15 Nov	16 Nov	Weekly Total
Border workers	Air Crew	66	108	28	62	69	24	51	408
	Airport Staff	219	248	158	204	199	80	153	1261
	Maritime Crew	0	0	4	18	37	0	0	59
	MIF Staff	368	244	532	361	486	207	304	2502
	MIQ Staff	17	25	30	43	48	24	6	193
	Port Staff-Port of Tauranga Ltd	10	0	51	19	20	6	1	107
	Port Staff – Port of Auckland	62	5	97	80	83	4	5	336
	Port Staff-Remainder	79	67	71	85	5	1	7	315
Community	CTCs And Pop-Ups	2460	2591	2609	2670	5421	2540	2974	21265
	GPs and Other Primary Health	2199	2518	2360	2239	3265	1482	1908	15971
Travellers	Staying At MIF	501	752	1268	524	880	914	731	5570
	Staying At MIQ	15	23	19	18	12	16	6	109
Total		5996	6581	7227	6323	10525	5298	6146	48096

### Day 3 and Day 12 testing

**Table 4: MIQ/MIF guest testing as at 1000 17 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
3/11/2020	740	419	254	0	0
4/11/2020	965	590	310	2	0
5/11/2020	1114	408	633	1	0
6/11/2020	989	454	480	1	0
7/11/2020	636	339	239	6	0
8/11/2020	754	119	603	1	1
9/11/2020	1062	525	497	3	0
10/11/2020	510	205	247	1	0
11/11/2020	1090	369	632	2	2
12/11/2020	1276	555	646	1	2
13/11/2020	611	267	246	0	1
14/11/2020	823	431	288	3	0
15/11/2020	1150	427	656	4	0
16/11/2020	741	482	182	4	0

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 17 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	39	<b>184</b>
<b>Clinical</b>	5	6	5	<b>16</b>
<b>Management Plan Change</b>	2			<b>2</b>
<b>No Consent</b>	17	4	32	<b>53</b>
<b>Other**</b>	4	67	53	<b>124</b>
<b>Total</b>	<b>108</b>	<b>142</b>	<b>129</b>	<b>379</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.



## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from 02 November to 16 November.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	494	724	2919	4465	1080	9682
Bay of Plenty	289	28	152	958	22	1449
Canterbury	299	135	582	3472	216	4704
Capital and Coast	323	192	397	2203	85	3200
Counties Manukau	868	1616	2004	2285	119	6892
Hawke's Bay	110	51	44	440	18	663
Hutt Valley	142	93	147	678	18	1078
Lakes	192	15	54	329	15	605
MidCentral	158	31	66	670	25	950
Nelson Marlborough	91	27	40	815	26	999
Northland	208	13	40	430	23	714
South Canterbury	16	2	13	179	8	218
Southern	137	59	188	1550	37	1971
Tairāwhiti	101	5	30	128	5	269
Taranaki	61	4	28	410	13	516
Waikato	498	73	345	1492	58	2466
Wairarapa	31	8	4	187	4	234
Waitematā	560	515	2190	4781	75	8121
West Coast	10	1	5	44	1	61
Whanganui	30	1	10	130	8	179
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4625</b>	<b>3608</b>	<b>9267</b>	<b>25691</b>	<b>1863</b>	<b>45054</b>

Table 7: Rate per 1000 people tested for COVID-19 from 02 November to 16 November.

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	11.36	12.911	15.6	17.08	17.66
Bay of Plenty	4.83	6.3	7.76	6.09	6.01
Canterbury	5.7	9.52	9.58	7.78	8.2
Capital and Coast	8.84	8.658	7.91	10.35	9.95
Counties Manukau	9.75	13.456	13.26	10.92	12.1
Hawke's Bay	2.54	7.947	4.8	4.07	3.97
Hutt Valley	5.45	7.964	7.83	7.19	7.15
Lakes	4.99	5.872	5.55	5.49	5.46
MidCentral	4.34	5.587	4.26	5.41	5.24
Nelson Marlborough	5.67	10.925	5.39	6.48	6.58
Northland	3.42	3.459	4.84	3.94	3.93
South Canterbury	3.01	4.096	5.49	3.46	3.64
Southern	4.08	8.568	7.29	5.79	5.91
Tairāwhiti	4.08	4.474	25.7	5.79	5.47
Taranaki	2.61	2.872	4.5	4.56	4.27
Waikato	5.17	5.475	7.82	5.54	5.83
Wairarapa	3.89	9.623	3.21	5.24	5.12
Waitematā	8.95	11.549	15.23	12.5	12.82
West Coast	2.58	3.958	5.41	1.63	1.9
Whanganui	1.73	0.657	3.42	3.02	2.76
<b>Total</b>	<b>5.9</b>	<b>11.3</b>	<b>12.1</b>	<b>8.3</b>	<b>9.1</b>

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 1030

18 NOVEMBER 2020

### ***Statistics at a Glance***

Total Active Cases in New Zealand (Community and MIQ)

**64**

***In the Community***  
***(since 11 August –***  
***see Table 1)***

New Cases since 0900  
Yesterday

**0**

Total Recovered

**190**

Total Deceased

**3**

Active Community Cases

**4**

Total Cases Since 11 August

**197**

***Imported cases in***  
***Managed Isolation***  
***and Quarantine***

New Cases since 0900  
Yesterday

**3**

Total Recovered

**266**

Active MIF/MIQ Cases

**60**

Total Imported MIQ Cases

**326**

***Laboratory***  
***Testing***

Total Tests in Last 24 Hours

**8,392**

Total Tests over  
Last Seven Days

**50,492**

Total Laboratory Tests

**1,199,426**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at 0900 18 November 2020

Outbreak	New cases (since 0900 16/11)	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	0
November Quarantine Cluster	0	5	4
<b>Total</b>	<b>0</b>	<b>197</b>	<b>4</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at 0900 18 November 2020

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	64 (3)*	1568	20	1652 (3)
<b>Probable</b>	0	351	5	356
<b>Total</b>	64 (3)*	1919	25	2008 (3)

\*3 new imported cases

# Contents

<b>Community Case by Outbreak.....</b>	<b>2</b>
<b>New Zealand COVID-19 Summary .....</b>	<b>2</b>
<b>Cases in the Community.....</b>	<b>4</b>
<i>November Quarantine Cluster.....</i>	<i>4</i>
<b>Imported Cases in Managed Isolation .....</b>	<b>7</b>
<b>Community Behaviour Indicators .....</b>	<b>8</b>
<i>Healthline.....</i>	<i>8</i>
<i>COVID-19 App Scans .....</i>	<i>10</i>
<b>Precautionary Testing .....</b>	<b>11</b>
<i>Border and Arrival Lab Testing .....</i>	<i>11</i>
<i>Day 3 and Day 12 testing .....</i>	<i>11</i>
<i>DHB Testing by Ethnicity .....</i>	<i>13</i>

## Cases in the Community

- There have been zero new community case since 15 November 2020.
- The total number of active cases in the community is four.

### November Quarantine Cluster

- Five cases have been identified in the November Quarantine Cluster:
  - Case A worked at the Jet Park MIQ;
  - Case B was a close contact of Case A;
  - Case C is a close contact of Case B;
  - Case D is genomically linked to Case A and was previously the subject of the Auckland November Incident; and
  - Case E is a close contact of Case D.

#### Case A

- On 05 November, Case A developed symptoms and tested positive. Their last routine test on 03 November was negative, but when rerun, returned an extremely weak positive.
- All occupants at Case A's accommodation returned negative test results.
- The source of the NZDF worker is almost certainly at JetPark. The case has been genomically linked to a family at Jet Park, however, it is one mutation apart suggesting a missing infectious source.
- There may be an intermediary case involved; however, the investigation has revealed no evidence to support this (e.g. an intermediary case has not been identified). ARPHS is awaiting confirmation from ESR about whether the other border cases in JetPark at the time have all been sequenced in order to rule this hypothesis out with a high degree of certainty.
- s 9(2)(a)
- 23 of 24 close contacts tested negative at initial testing (positive test is Case B).
- As at 0930 18 November, 22 of 23 close contacts returned negative day 12 tests (one result is pending).
- Case A was deemed recovered and released from isolation on 16 November.

#### Case B

- Case B was a close contact of Case A during a s 9(2)(a) meeting on 04 November. They flew from Auckland to Wellington on 05 November and developed symptoms on 06 November.
- Several exposure events have been identified for Case B in Auckland and Wellington.
- Case B is in quarantine at the Grand Mercure Hotel in Wellington.
- Case B's genomic sequencing matched with Case A.
- 56 of 57 close contacts were negative at initial testing (positive result is Case C).
- As at 0930 18 November, 26 of 56 close contacts have returned a negative day 12 test (30 results are pending).

### **Case C**

- On 11 November, a close contact of Case B (Case C) tested positive after developing symptoms on 10 November. Case C had been self-isolating since the evening of 07 November and returned a negative result at day 3 testing.
- Case C is in quarantine at the Grand Mercure Hotel.
- Genomic sequencing indicates the same lineage as Case A.
- **Case C's close contacts have all received negative initial tests.**

### **Case D**

- Case D was identified on the morning of 12 November. On Monday 09 November, the case became symptomatic and had a phone consultation and test in the late evening on 10 November.
- **Case D's genomic sequencing indicates the B.1.3.6 lineage, with an identical match to November Quarantine Cluster Case A.**
- **Case A's genome had a single mutation from their source within Jet Park, and Case D shares this mutation. This proves that the chain of transmission to Case D definitely involves Case A.**
- The case has moved to Jet Park.
- One pop-up testing station in the CBD in vicinity of High Street will remain open for the remainder of the week. CTCs and GP Clinics around the greater Auckland area continue to provide testing services and report steady volumes. Public messaging continues to advise people to be tested at their nearest facility.
- The Source Attribution Investigation continues in an effort to identify the epidemiological link between cases A and D. This investigation is being led by ARPHS with assistance from NZ Police, providing investigative and intelligence resources.
- **As at 0930 18 November, five of six close contacts tested negative at initial testing. The one positive test is Case E.**

### **Case E**


- Case E is a close contact of Case D and lives in the same building.
- **Case E has an identical sequence plus one mutation to Case D, demonstrating they are a secondary case rather than a source.**
- They have been in quarantine at Jet Park since 12 November.
- Case interview and scoping, identification of close contacts and consideration of testing continues.
- 11 close contacts have returned negative initial test results.

## ***International Mariners (Sudima Staff Members)***

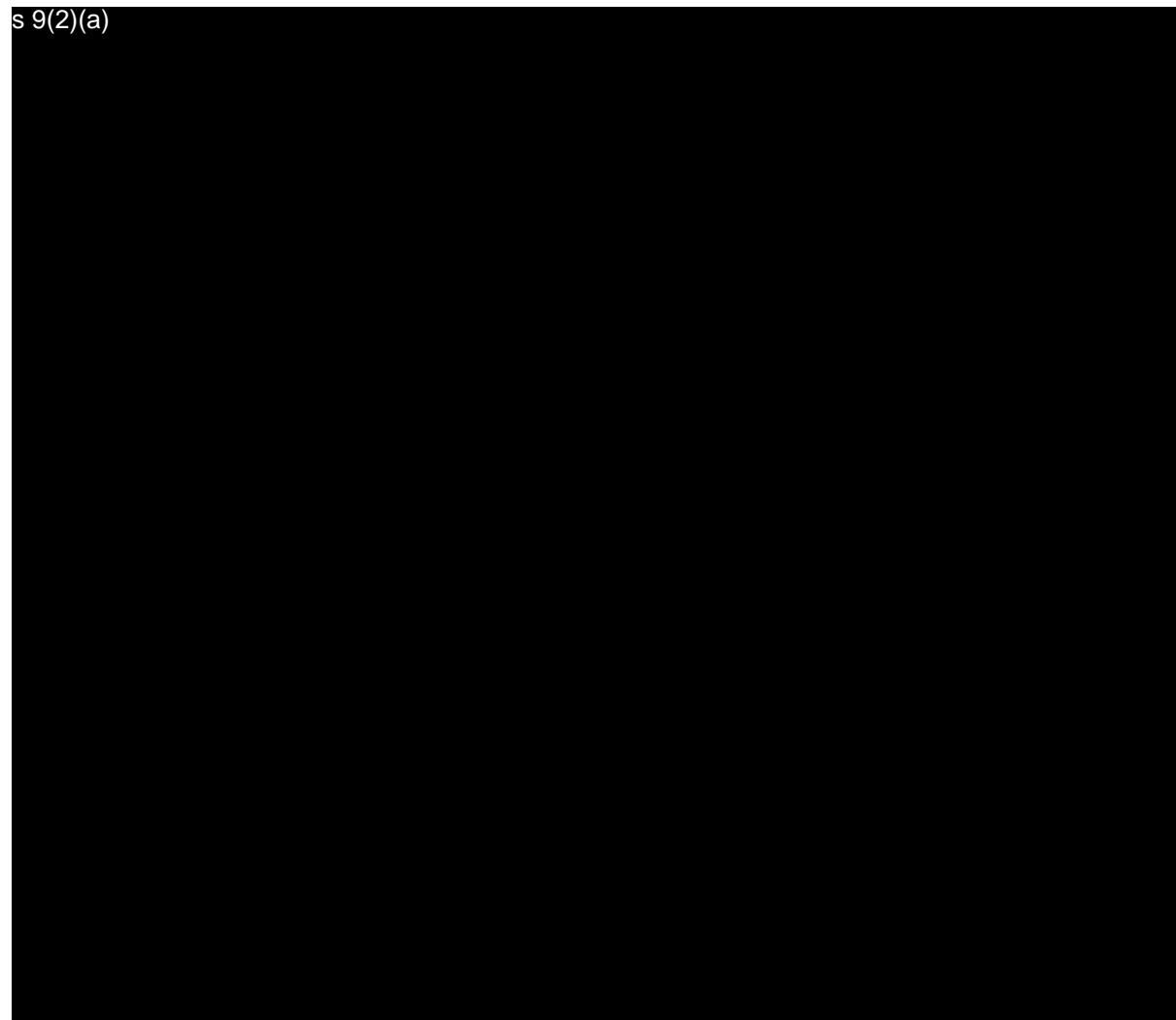
- There are no active cases associated with this event, which will close on 12 December.

## ***Community Case Contact Testing***

s 9(2)(a)

A horizontal black bar redacting a line of text.

s 9(2)(a)

A large rectangular black box redacting the majority of the page content.



# Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 18 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
326	60

- Three new cases have been detected at the border. All cases are now at Jet Park.
  - Case 1 arrived from the United Kingdom (via Dubai) on 14 November. They tested positive during day 3 routine testing.
  - Case 2 arrived from Dubai on 14 November. They tested positive during day 3 routine testing.
  - Case 3 arrived from Dubai on 14 November. They tested positive during day 3 routine testing.

# Community Behaviour Indicators

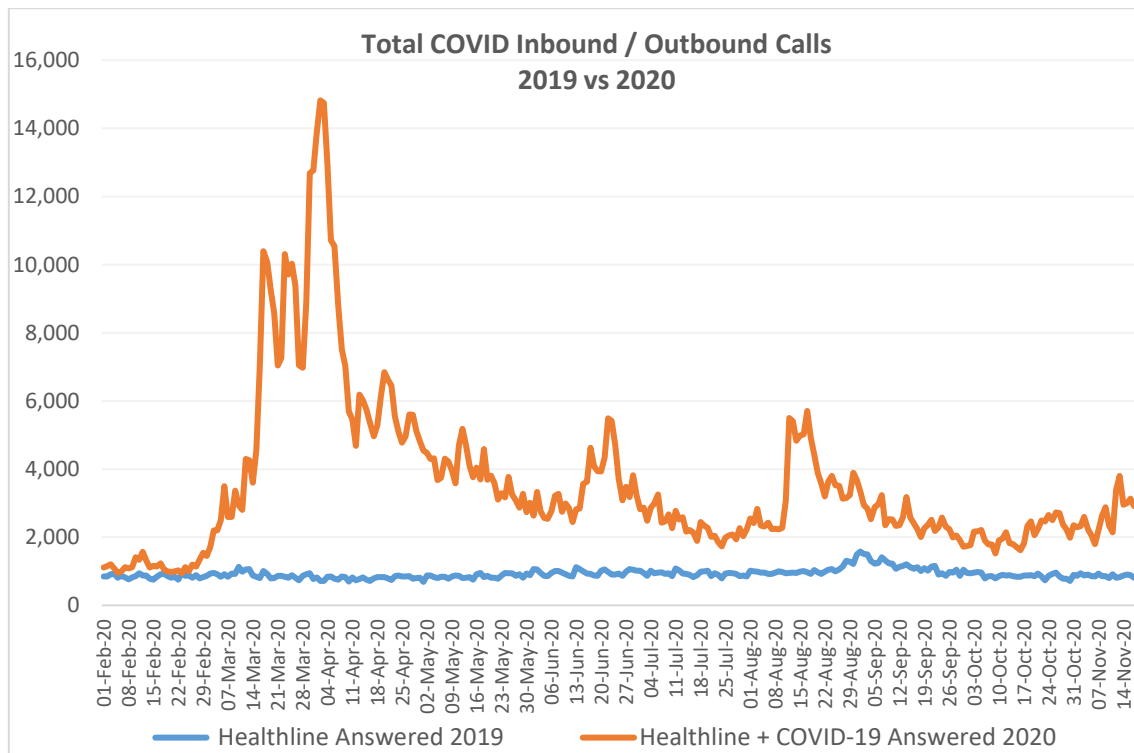
## Healthline

- On 17 November 2020 there were 2,919 contacts in Healthline compared to 812 on the same day last year.
- Demand on 1737 Need to talk? and other mental health services was 569 contacts (lower than forecasted).

The main themes yesterday were:

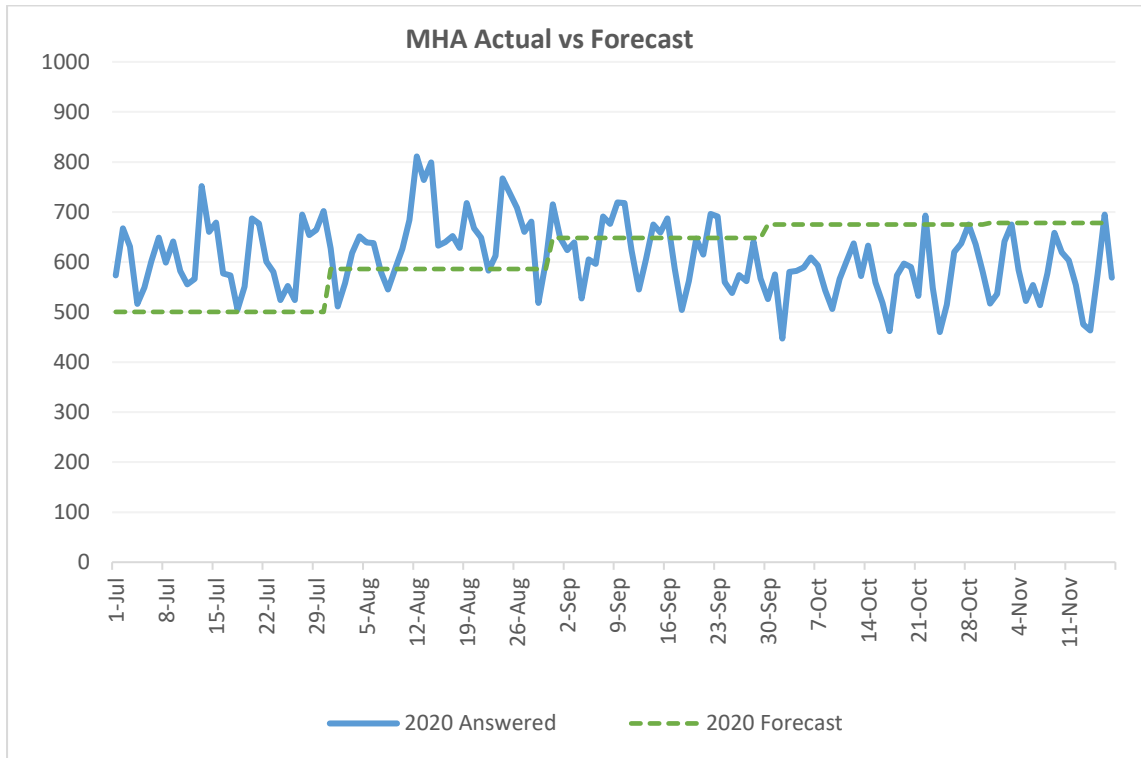
- The biggest driver of volume was increased levels of calls from people that have covid symptoms – it would appear that following the events of the last few weeks we are seeing a lower threshold from the wider community when reaching out for advice and information on symptoms.
- Continue to receive calls from people who had been casual contacts of the various exposure events.
- Questions from employers asking if they can force staff to have a test before coming or returning to work

**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



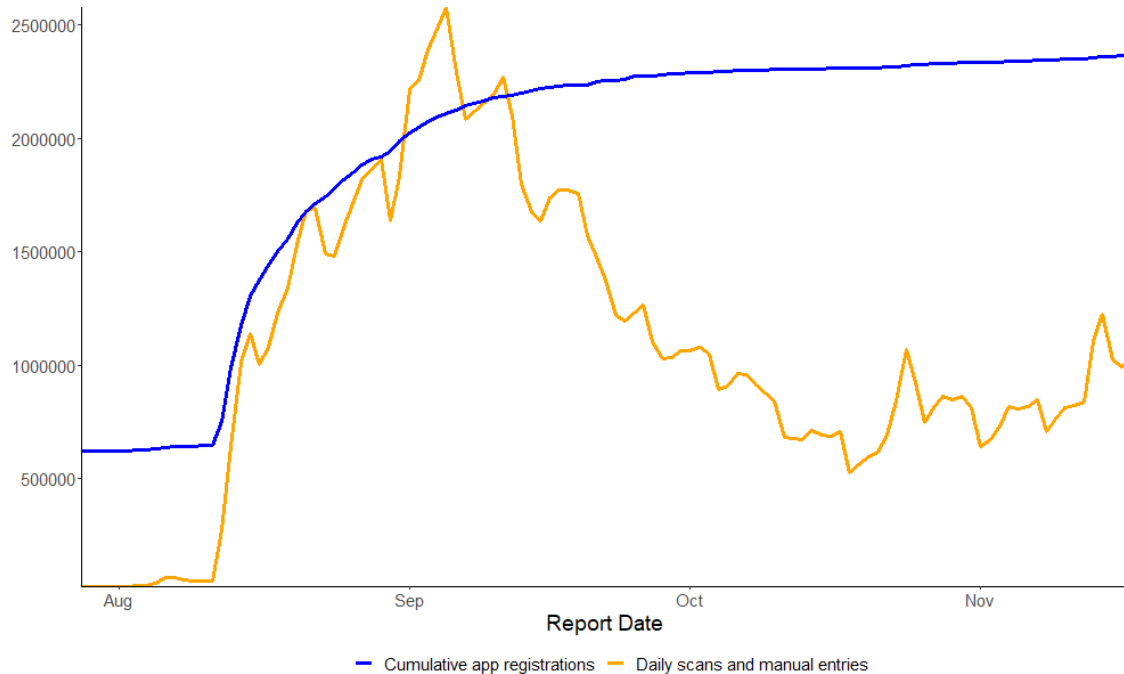
**Healthline Mental Health Response**

**Figure 2: Healthline Mental Health Response**

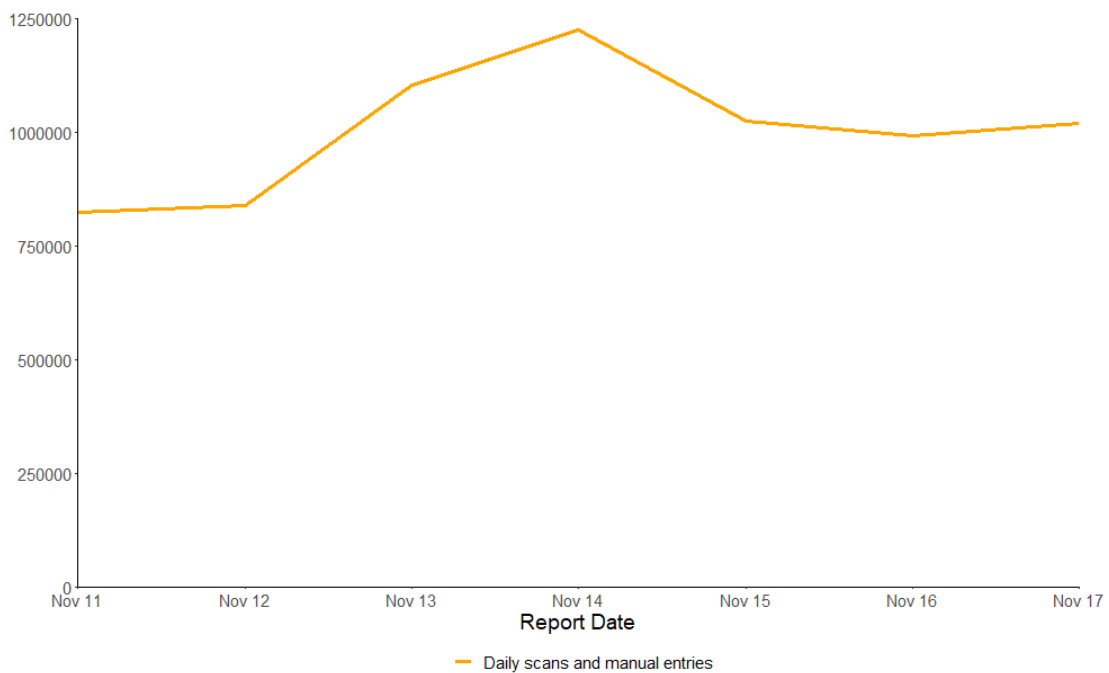


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 17 November 2020**



**Figure 4: COVID-19 Tracer App daily scans/manual entries for the past week as at 1600 17 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 18 November 2020**

Grouping	Reason for test:	11 Nov	12 Nov	13 Nov	14 Nov	15 Nov	16 Nov	17 Nov	Weekly Total
Border workers	Air Crew	108	28	62	69	24	51	25	367
	Airport Staff	248	158	204	199	80	153	234	1276
	Maritime Crew	0	4	18	37	0	0	195	254
	MIF Staff	251	540	371	491	209	313	432	2607
	MIQ Staff	25	30	43	48	24	6	30	206
	Port Staff-Port of Tauranga Ltd	0	51	19	20	6	1	12	109
	Port Staff – Port of Auckland	5	97	80	83	4	5	5	279
	Port Staff-Remainder	67	71	85	5	1	7	147	383
Community	CTCs And Pop-Ups	2607	2623	2738	5499	2646	3264	3101	22478
	GPs and Other Primary Health	2495	2338	2161	3182	1374	1609	3486	16645
Travellers	Staying At MIF	752	1268	524	880	914	731	718	5787
	Staying At MIQ	23	19	18	12	16	6	7	101
Total		6581	7227	6323	10525	5298	6146	8392	50492

## Day 3 and Day 12 testing

**Table 4: MIQ/MIF guest testing as at 1000 18 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
4/11/2020	965	590	310	2	0
5/11/2020	1114	408	633	1	0
6/11/2020	989	454	480	1	0
7/11/2020	636	339	239	6	0
8/11/2020	754	119	603	1	1
9/11/2020	1062	525	497	3	0
10/11/2020	510	205	247	1	0
11/11/2020	1090	369	632	2	2
12/11/2020	1276	555	646	1	2
13/11/2020	610	267	246	0	1
14/11/2020	823	431	288	3	0
15/11/2020	1146	427	652	4	0
16/11/2020	741	482	182	4	0
17/11/2020	687	233	372	0	1

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 18 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	41	<b>186</b>
<b>Clinical</b>	5	6	7	<b>18</b>
<b>Management Plan Change</b>	2			<b>2</b>
<b>No Consent</b>	17	4	33	<b>54</b>
<b>Other**</b>	4	67	53	<b>124</b>
<b>Total</b>	<b>108</b>	<b>142</b>	<b>134</b>	<b>384</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## ***DHB Testing by Ethnicity***

**Table 6: Number of people tested for COVID-19 from 03 November to 17 November.**

	Prioritised ethnicity MPAO					
<b>DHB of domicile</b>	<b>Māori</b>	<b>Pacific</b>	<b>Asian</b>	<b>Other</b>	<b>Unknown</b>	<b>Total</b>
Auckland	504	728	2936	4563	1040	9771
Bay of Plenty	293	28	149	945	23	1438
Canterbury	309	136	592	3585	196	4818
Capital and Coast	340	214	423	2302	87	3366
Counties Manukau	862	1665	1929	2223	117	6796
Hawke's Bay	116	50	45	438	17	666
Hutt Valley	156	99	158	732	17	1162
Lakes	197	17	54	350	13	631
MidCentral	153	30	72	667	27	949
Nelson Marlborough	98	32	39	854	24	1047
Northland	202	14	40	440	21	717
South Canterbury	16	2	14	171	9	212
Southern	142	56	194	1578	36	2006
Tairāwhiti	100	6	31	132	4	273
Taranaki	63	4	28	420	12	527
Waikato	520	81	343	1561	57	2562
Wairarapa	34	8	4	186	4	236
Waitematā	547	515	2181	4783	74	8100
West Coast	10	1	5	40	1	57
Whanganui	35	3	11	141	5	195
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4706</b>	<b>3703</b>	<b>9257</b>	<b>26154</b>	<b>1790</b>	<b>45610</b>

**Table 7: Rate per 1000 people tested for COVID-19 from 03 November to 17 November.**

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	11.59	12.98	15.69	17.45	17.83
Bay of Plenty	4.9	6.3	7.6	6.01	5.96
Canterbury	5.89	9.59	9.74	8.03	8.4
Capital and Coast	9.31	9.65	8.43	10.82	10.46
Counties Manukau	9.68	13.86	12.76	10.62	11.93
Hawke's Bay	2.68	7.79	4.91	4.05	3.99
Hutt Valley	5.99	8.48	8.42	7.77	7.71
Lakes	5.12	6.65	5.55	5.84	5.7
MidCentral	4.2	5.41	4.64	5.39	5.24
Nelson Marlborough	6.11	12.95	5.25	6.79	6.9
Northland	3.32	3.72	4.84	4.04	3.94
South Canterbury	3.01	4.1	5.92	3.31	3.54
Southern	4.23	8.13	7.52	5.9	6.01
Tairāwhiti	4.04	5.37	26.56	5.97	5.55
Taranaki	2.7	2.87	4.5	4.67	4.36
Waikato	5.39	6.08	7.77	5.8	6.06
Wairarapa	4.26	9.62	3.21	5.21	5.16
Waitematā	8.74	11.55	15.17	12.51	12.79
West Coast	2.58	3.96	5.41	1.48	1.78
Whanganui	2.02	1.97	3.76	3.28	3.01
<b>Total</b>	<b>6.1</b>	<b>11.6</b>	<b>12.1</b>	<b>8.4</b>	<b>9.2</b>



# Daily COVID-19 Situation UPDATE

## Key Facts and Figures

As at 1030

19 NOVEMBER 2020

### Statistics at a Glance

Total Active Cases in New Zealand (Community and MIQ)

**37**

**In the Community**  
(since 11 August –  
see Table 1)

New Cases since 0900  
Yesterday

**0**

Total Recovered

**190**

Total Deceased

**3**

Active Community Cases

**4**

Total Cases Since 11 August

**197**

**Imported cases in  
Managed Isolation  
and Quarantine**

New Cases since 0900  
Yesterday

**2**

Total Recovered

**295**

Active MIF/MIQ Cases

**33**

Total Imported MIQ Cases

**328**

**Laboratory  
Testing**

Total Tests in Last 24 Hours

**8,665**

Total Tests over  
Last Seven Days

**52,576**

Total Laboratory Tests

**1,208,091**

## Community Case by Outbreak

Table 1: Community Case by Outbreak as at 0900 19 November 2020

Outbreak	New cases (since 0900 16/11)	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	0
November Quarantine Cluster	0	5	4
<b>Total</b>	<b>0</b>	<b>197</b>	<b>4</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at 0900 19 November 2020

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	37 (-27)*	1597 (+29)	20	1654 (2)
<b>Probable</b>	0	351	5	356
<b>Total</b>	37 (-27)*	1948 (+29)	25	2010 (2)

\*2 new imported cases, and 27 recoveries

# Contents

<b>Community Case by Outbreak.....</b>	<b>2</b>
<b>New Zealand COVID-19 Summary .....</b>	<b>2</b>
<b>Cases in the Community.....</b>	<b>4</b>
<i>November Quarantine Cluster.....</i>	<i>4</i>
<b>Imported Cases in Managed Isolation .....</b>	<b>8</b>
<b>Community Behaviour Indicators .....</b>	<b>9</b>
<i>Healthline.....</i>	<i>9</i>
<i>COVID-19 App Scans .....</i>	<i>11</i>
<b>Precautionary Testing .....</b>	<b>12</b>
<i>Border and Arrival Lab Testing .....</i>	<i>12</i>
<i>Day 3 and Day 12 testing .....</i>	<i>12</i>
<i>DHB Testing by Ethnicity .....</i>	<i>14</i>

## Cases in the Community

- There has been no new community case since 15 November 2020.
- The total number of active cases in the community is four.
- There is one case under investigation that is linked to Case B. This is a probable case (Case F), which will be subject to serology testing to confirm.
- This probable case has been in self-isolation since Saturday 07 November and had a negative day 5 test. They were transferred to the Grand Mercure Hotel on 11 November after becoming symptomatic on 10 November.

## November Quarantine Cluster

- Five cases have been identified in the November Quarantine Cluster:
  - Case A worked at the Jet Park MIQ;
  - Case B was a close contact of Case A;
  - Case C is a close contact of Case B;
  - Case D is genomically linked to Case A and was previously the subject of the Auckland November Incident;
  - Case E is a close contact of Case D; and

### Case A

- On 05 November, Case A developed symptoms and tested positive. Their last routine test on 03 November was negative, but when rerun, returned an extremely weak positive.
- All occupants at Case A's accommodation returned negative test results.
- The source of the NZDF worker is almost certainly at JetPark. The case has been genomically linked to a family at Jet Park, however, it is one mutation apart suggesting a missing infectious source.
- There may be an intermediary case involved; however, the investigation has revealed no evidence to support this (e.g. an intermediary case has not been identified). ARPHS is awaiting confirmation from ESR about whether the other border cases in JetPark at the time have all been sequenced in order to rule this hypothesis out with a high degree of certainty.
- s 9(2)(a)
- 23 of 24 close contacts tested negative at initial testing (positive test is Case B).
- All 23 close contacts returned negative day 12 tests.
- All occupants at Case A's apartment (Waldorf Apartments) have returned negative day 12 tests.
- Case A was deemed recovered and released from isolation on 16 November.

### Case B

- Case B was a close contact of Case A during a s 9(2)(a) meeting on 04 November. They flew from Auckland to Wellington on 05 November and developed symptoms on 06 November.
- Several exposure events have been identified for Case B in Auckland and Wellington.
- Case B is in quarantine at the Grand Mercure Hotel in Wellington.
- Case B's genomic sequencing matched with Case A.
- 56 of 57 close contacts were negative at initial testing (positive result is Case C).

- As at 0930 19 November, 43 of 56 close contacts have returned a negative day 12 test (42 negative, 13 no result, 1 under investigation).

### **Case C**

- On 11 November, a close contact of Case B (Case C) tested positive after developing symptoms on 10 November. Case C had been self-isolating since the evening of 07 November and returned a negative result at day 3 testing.
- Case C is in quarantine at the Grand Mercure Hotel.
- Genomic sequencing indicates the same lineage as Case A.
- Case C's close contacts have all received negative initial tests.

### **Case D**

- Case D was identified on the morning of 12 November. On Monday 09 November, the case became symptomatic and had a phone consultation and test in the late evening on 10 November.
- Case D's genomic sequencing indicates the B.1.3.6 lineage, with an identical match to November Quarantine Cluster Case A.
- Case A's genome had a single mutation from their source within Jet Park, and Case D shares this mutation. This proves that the chain of transmission to Case D definitely involves Case A.
- The case has moved to Jet Park.
- One pop-up testing station in the CBD in vicinity of High Street will remain open for the remainder of the week. CTCs and GP Clinics around the greater Auckland area continue to provide testing services and report steady volumes. Public messaging continues to advise people to be tested at their nearest facility.
- The Source Attribution Investigation continues in an effort to identify the epidemiological link between cases A and D. This investigation is being led by ARPHS with assistance from NZ Police, providing investigative and intelligence resources.
- As at 0930 18 November, five of six close contacts tested negative at initial testing, with one positive test (Case E).

### **Case E**

- Case E is a close contact of Case D and lives in the same building.
- Case E has an identical sequence plus one mutation to Case D, demonstrating they are a secondary case rather than a source.
- They have been in quarantine at Jet Park since 12 November.
- Case interview and scoping, identification of close contacts and consideration of testing continues.
- 11 close contacts have returned negative initial test results.

***Case F (under investigation – not yet confirmed)***


- Case F is a close contact of Case B. They have been in self-isolation since 07 November and had a negative day 5 test. They were transferred to the Grand Mercure Hotel on 11 November after becoming symptomatic on 10 November.
- Serology testing is underway, and a retest is being conducted.
- This case **will not** be reported publicly today until it is definitively confirmed positive.

***International Mariners (Sudima Staff Members)***

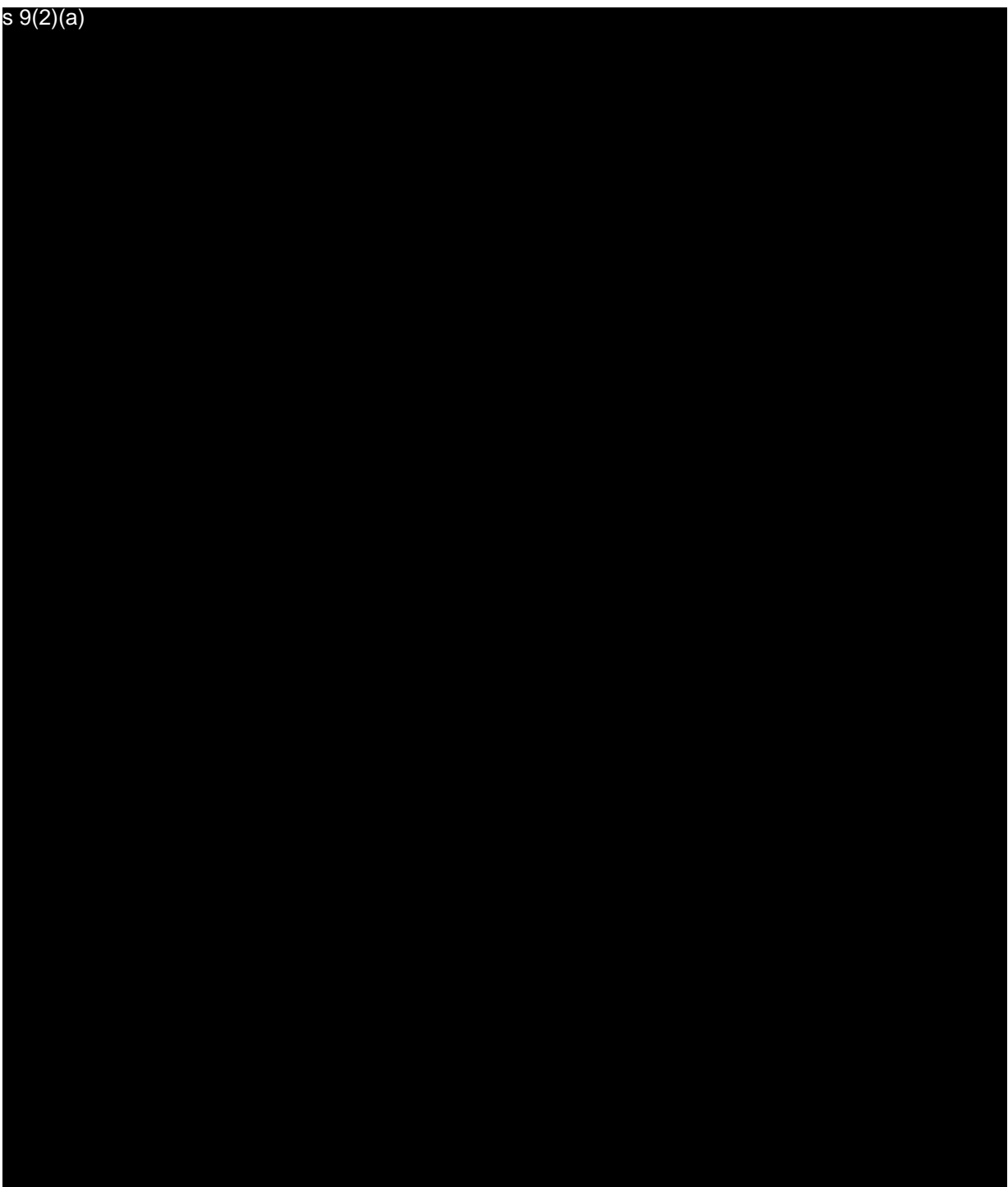
- There are no active cases associated with this event, which will close on 12 December.

## ***Community Case Contact Testing***

s 9(2)(a)

A horizontal black bar redacting a line of text.

s 9(2)(a)

A large rectangular black box redacting the majority of the page content.

# Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 19 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
328	33

- Two new cases have been detected at the border.
  - Case 1 travelled from Moscow (via London, Qatar and Brisbane) on 14 November. They tested positive during day 3 routine testing. They will be transferred to Jet Park from s 9(2)(a) Rotorua today (19 November).

## Possible exposure event on flight EK448 arriving in Auckland, 14 November

- Case 2 is likely linked to the three cases from yesterday's sitrep (18 November).
- All four cases were on the same flight EK448 from Dubai, which arrived in Auckland on 14 November.
- Waikato DHB PHU has undertaken case interviews, which indicate the possibility of an exposure event on flight EK448.
- All known cases (including today's latest case) are now in Jet Park.



# Community Behaviour Indicators

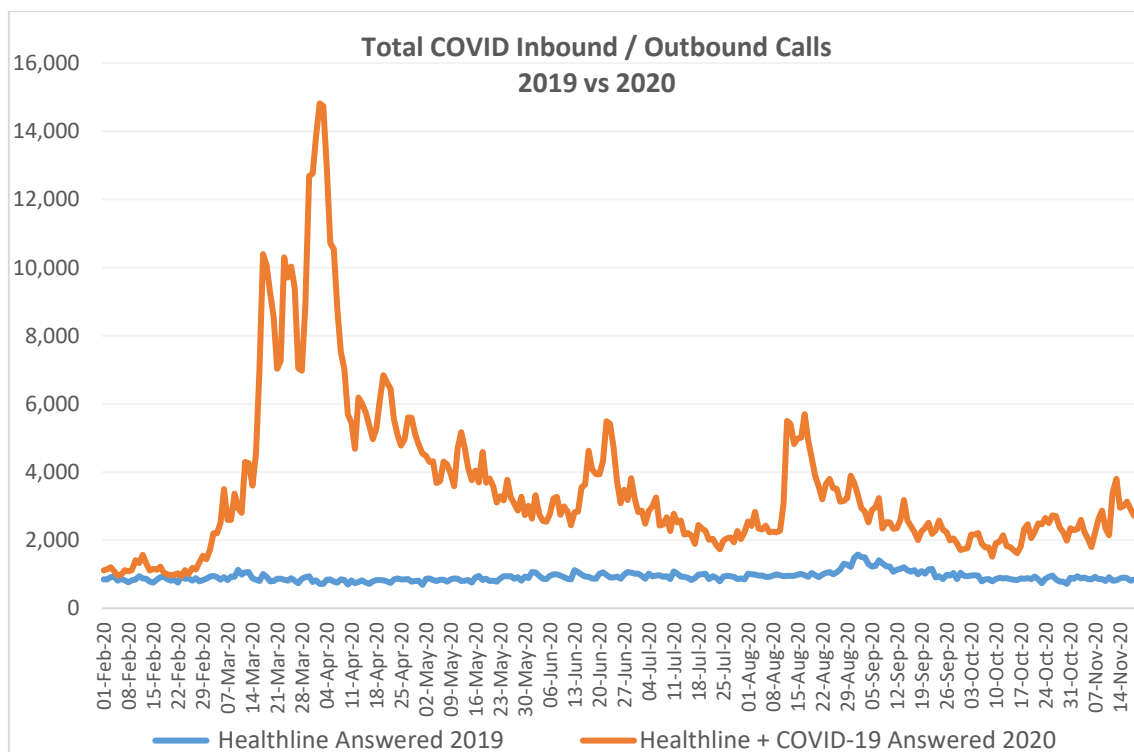
## Healthline

- On 18 November 2020 there were 2,719 contacts in Healthline compared to 839 on the same day last year.
- Demand on 1737 Need to talk? and other mental health services was 608 contacts (lower than forecasted).

The main themes yesterday were:

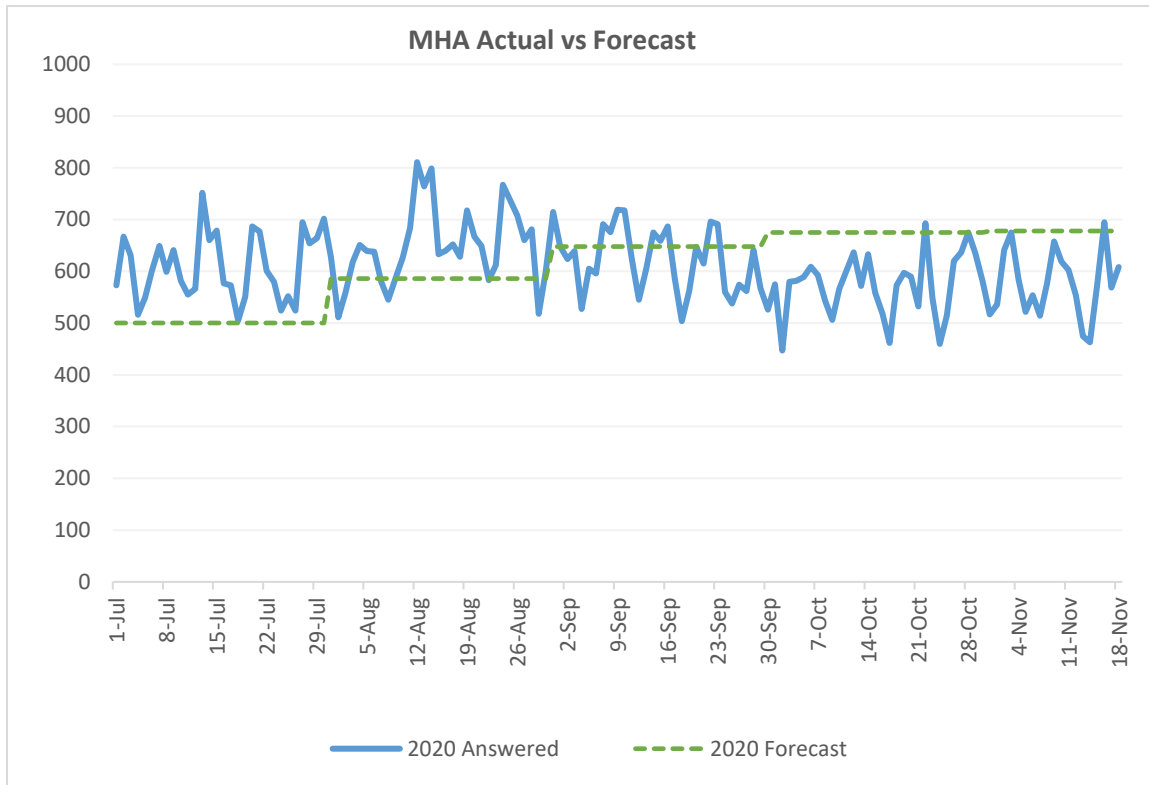
- The biggest driver of volume was increased levels of calls from people that have covid symptoms – it would appear that following the events of the last few weeks we are seeing a lower threshold from the wider community when reaching out for advice and information on symptoms.
- Continue to receive calls from people who had been casual contacts of the various exposure events.
- Questions from employers regarding symptomatic employees.

**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**



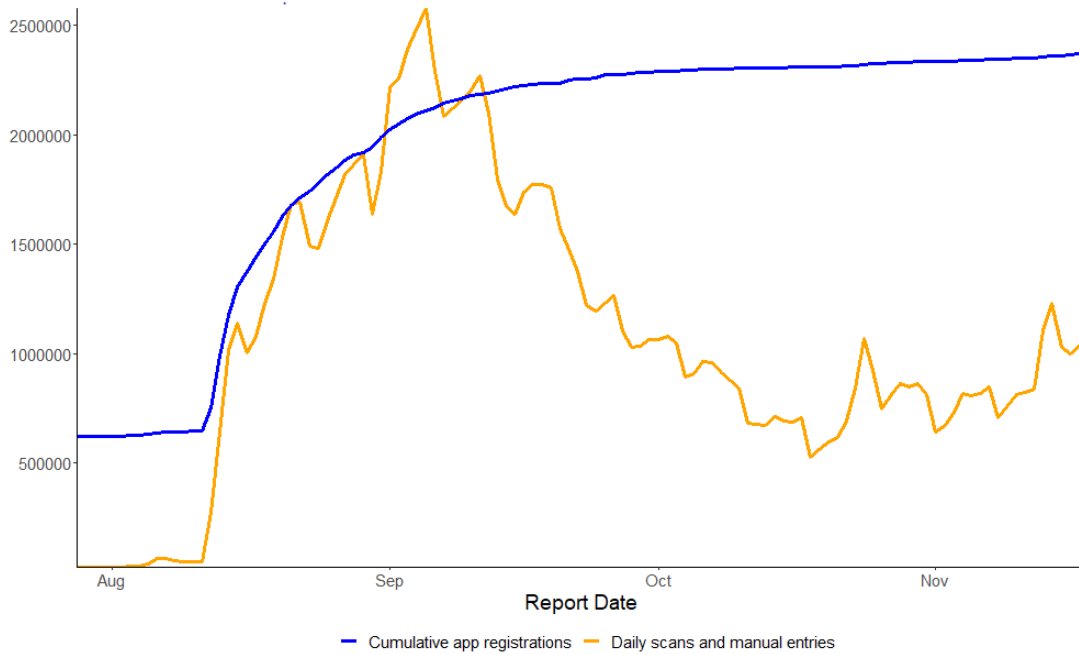
**Healthline Mental Health Response**

**Figure 2: Healthline Mental Health Response**

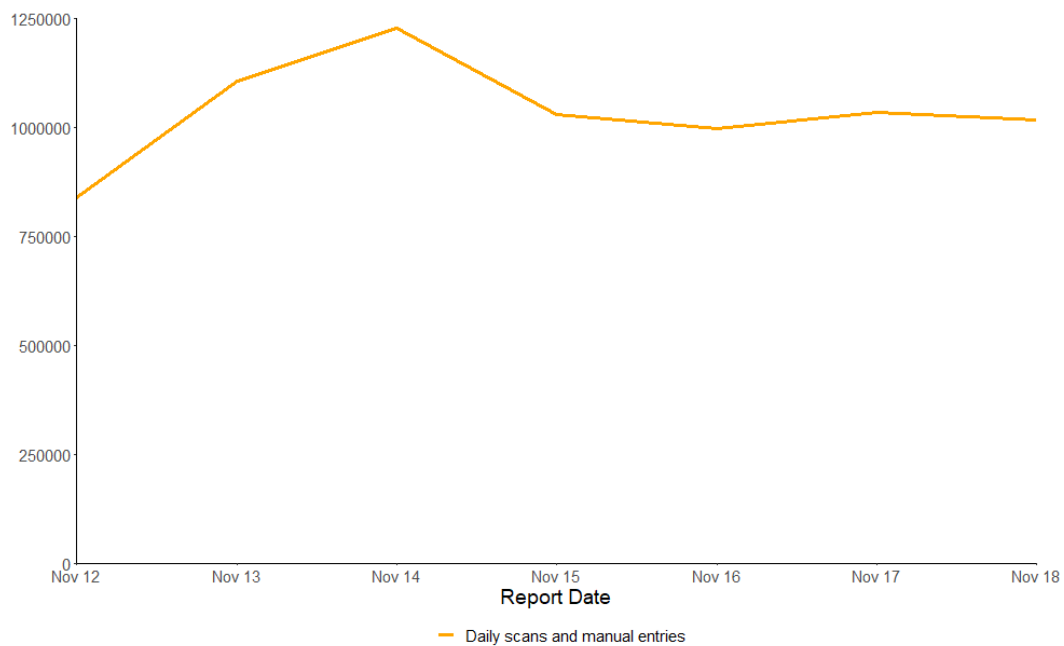


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 18 November 2020**



**Figure 4: COVID-19 Tracer App daily scans/manual entries for the past week as at 1600 18 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 19 November 2020**

Grouping	Reason for test:	12 Nov	13 Nov	14 Nov	15 Nov	16 Nov	17 Nov	18 Nov	Weekly Total
Border workers	Air Crew	28	62	69	24	51	25	121	380
	Airport Staff	158	204	199	80	153	234	171	1199
	Maritime Crew	4	18	37	0	0	195	0	254
	MIF Staff	540	371	491	209	313	432	262	2618
	MIQ Staff	30	43	48	24	6	30	33	214
	Port Staff-Port of Tauranga Ltd	51	19	20	6	1	12	59	168
	Port Staff – Port of Auckland	97	80	83	4	5	5	5	279
	Port Staff-Remainder	71	85	5	1	7	147	31	347
Community	CTCs And Pop-Ups	2919	2990	5794	2788	3628	3717	3724	25560
	GPs and Other Primary Health	2042	1909	2887	1232	1245	2869	3639	15823
Travellers	Staying At MIF	1268	524	880	914	731	719	607	5643
	Staying At MIQ	19	18	12	16	6	7	13	91
Total		7227	6323	10525	5298	6146	8392	8665	52576

## Day 3 and Day 12 testing

**Table 4: MIQ/MIF guest testing as at 1000 19 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
5/11/2020	1114	408	633	1	0
6/11/2020	989	454	480	1	0
7/11/2020	640	343	239	6	0
8/11/2020	759	124	603	1	1
9/11/2020	1062	525	497	3	0
10/11/2020	511	206	247	1	0
11/11/2020	1090	369	632	2	2
12/11/2020	1276	555	646	1	2
13/11/2020	610	267	246	0	1
14/11/2020	824	432	288	3	0
15/11/2020	1147	427	652	4	0
16/11/2020	742	483	182	4	0
17/11/2020	690	236	372	0	1
18/11/2020	826	475	241	7	0

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 19 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	45	<b>190</b>
<b>Clinical</b>	5	6	8	<b>19</b>
<b>Management Plan Change</b>	2			<b>2</b>
<b>No Consent</b>	17	4	33	<b>54</b>
<b>Other**</b>	4	67	53	<b>124</b>
<b>Total</b>	<b>108</b>	<b>142</b>	<b>139</b>	<b>389</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from **04 November to 18 November**.

DHB of domicile	Prioritised ethnicity MPAO					Total
	Māori	Pacific	Asian	Other	Unknown	
Auckland	539	766	3058	4712	995	10070
Bay of Plenty	308	33	151	1005	21	1518
Canterbury	306	137	563	3512	188	4706
Capital and Coast	339	229	437	2422	88	3515
Counties Manukau	880	1669	2009	2335	151	7044
Hawke's Bay	122	46	45	455	17	685
Hutt Valley	171	102	155	760	15	1203
Lakes	197	15	52	345	12	621
MidCentral	160	37	79	713	24	1013
Nelson Marlborough	104	36	46	915	21	1122
Northland	204	13	39	476	25	757
South Canterbury	15	3	17	176	9	220
Southern	151	57	190	1612	34	2044
Tairāwhiti	100	6	31	125	2	264
Taranaki	72	4	25	441	9	551
Waikato	528	79	336	1644	58	2645
Wairarapa	41	9	5	229	4	288
Waitematā	601	549	2245	5095	78	8568
West Coast	13	1	4	51	2	71
Whanganui	37	4	13	157	5	216
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>4888</b>	<b>3795</b>	<b>9500</b>	<b>27180</b>	<b>1758</b>	<b>47121</b>

**Table 7: Rate per 1000 people tested for COVID-19 from 04 November to 18 November.**

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	12.4	13.7	16.3	18.0	18.4
Bay of Plenty	5.2	7.4	7.7	6.4	6.3
Canterbury	5.8	9.7	9.3	7.9	8.2
Capital and Coast	9.3	10.3	8.7	11.4	10.9
Counties Manukau	9.9	13.9	13.3	11.2	12.4
Hawke's Bay	2.8	7.2	4.9	4.2	4.1
Hutt Valley	6.6	8.7	8.3	8.1	8.0
Lakes	5.1	5.9	5.3	5.8	5.6
MidCentral	4.4	6.7	5.1	5.8	5.6
Nelson Marlborough	6.5	14.6	6.2	7.3	7.4
Northland	3.4	3.5	4.7	4.4	4.2
South Canterbury	2.8	6.1	7.2	3.4	3.7
Southern	4.5	8.3	7.4	6.0	6.1
Tairāwhiti	4.0	5.4	26.6	5.7	5.4
Taranaki	3.1	2.9	4.0	4.9	4.6
Waikato	5.5	5.9	7.6	6.1	6.3
Wairarapa	5.1	10.8	4.0	6.4	6.3
Waitematā	9.6	12.3	15.6	13.3	13.5
West Coast	3.4	4.0	4.3	1.9	2.2
Whanganui	2.1	2.6	4.4	3.6	3.3
<b>Total</b>	<b>5.6</b>	<b>8.0</b>	<b>8.5</b>	<b>7.1</b>	<b>7.1</b>

# ***Daily COVID-19 Situation UPDATE***

## ***Key Facts and Figures***

As at 1030

20 NOVEMBER 2020

### ***Statistics at a Glance***

Total Active Cases in New Zealand (Community and MIQ)

**40**

***In the Community***  
***(since 11 August –***  
***see Table 1)***

New Cases since 0900  
Yesterday

**0**

Total Recovered

**190**

Total Deceased

**3**

Active Community Cases

**4**

Total Cases Since 11 August

**197**

***Imported cases in***  
***Managed Isolation***  
***and Quarantine***

New Cases since 0900  
Yesterday

**3**

Total Recovered

**295**

Active MIF/MIQ Cases

**36**

Total Imported MIQ Cases

**331**

***Laboratory***  
***Testing***

Total Tests in Last 24 Hours

**9,292**

Total Tests over  
Last Seven Days

**54,641**

Total Laboratory Tests

**1,217,383**



## Community Case by Outbreak

Table 1: Community Case by Outbreak as at 0900 20 November 2020

Outbreak	New cases (since 0900 16/11)	Total cases	Active cases remaining
Maritime Incident	0	4	0
Auckland August	0	179	0
Christchurch Returnees	0	6	0
Rydges Hotel (MIF)	0	1	0
International Mariners (Sudima)	0	2	0
November Quarantine Cluster	0	5	4
<b>Total</b>	<b>0</b>	<b>197</b>	<b>4</b>

## New Zealand COVID-19 Summary

Table 2: New Zealand COVID-19 Summary as at 0900 20 November 2020

Case status	Active	Recovered	Deceased	Total
<b>Confirmed</b>	40 (3)*	1597	20	1657 (3)
<b>Probable</b>	0	351	5	356
<b>Total</b>	40 (3)*	1948	25	2013 (3)

\*3 new imported cases

# Contents

<b>Community Case by Outbreak.....</b>	<b>2</b>
<b>New Zealand COVID-19 Summary .....</b>	<b>2</b>
<b>Cases in the Community.....</b>	<b>4</b>
<i>November Quarantine Cluster.....</i>	<i>4</i>
<b>Imported Cases in Managed Isolation .....</b>	<b>8</b>
<b>Community Behaviour Indicators .....</b>	<b>9</b>
<i>Healthline.....</i>	<i>9</i>
<i>COVID-19 App Scans .....</i>	<i>11</i>
<b>Precautionary Testing .....</b>	<b>12</b>
<i>Border and Arrival Lab Testing .....</i>	<i>12</i>
<i>Day 3 and Day 12 testing .....</i>	<i>12</i>
<i>DHB Testing by Ethnicity .....</i>	<i>14</i>

## Cases in the Community

- There has been no new community case since 15 November 2020.
- The total number of active cases in the community is four.
- There is one case under investigation that is linked to Case B. **There is a possibility this is a historical case. See Case F for further information.**

## November Quarantine Cluster

- Five cases have been identified in the November Quarantine Cluster:
  - Case A worked at the Jet Park MIQ;
  - Case B was a close contact of Case A;
  - Case C is a close contact of Case B;
  - Case D is genomically linked to Case A and was previously the subject of the Auckland November Incident; and
  - Case E is a close contact of Case D.

### Case A

- On 05 November, Case A developed symptoms and tested positive. Their last routine test on 03 November was negative, but when rerun, returned an extremely weak positive.
- All occupants at Case A's accommodation returned negative test results.
- The source of the NZDF worker is almost certainly at JetPark. The case has been genomically linked to a family at Jet Park, however, it is one mutation apart suggesting a missing infectious source.
- There may be an intermediary case involved; however, the investigation has revealed no evidence to support this (e.g. an intermediary case has not been identified). ARPHS is awaiting confirmation from ESR about whether the other border cases in JetPark at the time have all been sequenced in order to rule this hypothesis out with a high degree of certainty.
- **s 9(2)(a)**
- 23 of 24 close contacts tested negative at initial testing (positive test is Case B).
- All 23 close contacts returned negative day 12 tests.
- All occupants at Case A's apartment (Waldorf Apartments) have returned negative day 12 tests.
- Case A was deemed recovered and released from isolation on 16 November.

### Case B

- Case B was a close contact of Case A during a **s 9(2)(a)** meeting on 04 November. They flew from Auckland to Wellington on 05 November and developed symptoms on 06 November.
- Several exposure events have been identified for Case B in Auckland and Wellington.
- Case B is in quarantine at the Grand Mercure Hotel in Wellington.
- Case B's genomic sequencing matched with Case A.
- 56 of 57 close contacts were negative at initial testing (positive result is Case C).
- **As at 0930 19 November, 51 of 56 close contacts have returned a negative day 12 test (51 negative, 5 no result).**

### **Case C**

- On 11 November, a close contact of Case B (Case C) tested positive after developing symptoms on 10 November. Case C had been self-isolating since the evening of 07 November and returned a negative result at day 3 testing.
- Case C is in quarantine at the Grand Mercure Hotel.
- Genomic sequencing indicates the same lineage as Case A.
- Case C's close contacts have all received negative initial and day 5 test results.

### **Case D**

- Case D was identified on the morning of 12 November. On Monday 09 November, the case became symptomatic and had a phone consultation and test in the late evening on 10 November.
- Case D's genomic sequencing indicates the B.1.3.6 lineage, with an identical match to November Quarantine Cluster Case A.
- Case A's genome had a single mutation from their source within Jet Park, and Case D shares this mutation. This proves that the chain of transmission to Case D definitely involves Case A.
- The case has moved to Jet Park.
- One pop-up testing station in the CBD in vicinity of High Street will remain open for the remainder of the week. CTCs and GP Clinics around the greater Auckland area continue to provide testing services and report steady volumes. Public messaging continues to advise people to be tested at their nearest facility.
- The Source Attribution Investigation continues in an effort to identify the epidemiological link between cases A and D. This investigation is being led by ARPHS with assistance from NZ Police, providing investigative and intelligence resources.
- Five of six close contacts tested negative at initial testing (one positive test - Case E).
- **As at 20 November, two of six close contacts have received negative follow-up tests (three pending).**

### **Case E**

- Case E is a close contact of Case D and lives in the same building.
- Genomic sequencing indicated the same lineage as Case D with one additional mutation. This indicated that Case E is a secondary case from Case D and not a source of infection of Case D.
- They have been in quarantine at Jet Park since 12 November.
- Case interview and scoping, identification of close contacts and consideration of testing continues.
- 11 close contacts have returned negative initial test results.

### ***Case F (under investigation – not yet confirmed)***


- Case F is a close contact of Case B. They have been in self-isolation since 07 and were transferred to the Grand Mercure Hotel on 11 November due to experiencing onset of symptoms.
- Case F tested negative at initial swab (9 November), day 5 testing (14 November) and on 16 November.
- Case F was tested on 18 November which returned a positive result with a Ct value of 30.2. Case F was retested on 19 November which returned a negative.
- Case F is still under investigation. RPH is awaiting serology and genomic sequencing to confirm whether Case F is an active case, and whether they are linked to Case B.
- There is a possibility that Case F is a historic case. s 9(2)(a) Further investigations are ongoing.
- The close contacts of Case F returned negative tests on 19 November and are continuing to self-isolate.

### ***International Mariners (Sudima Staff Members)***

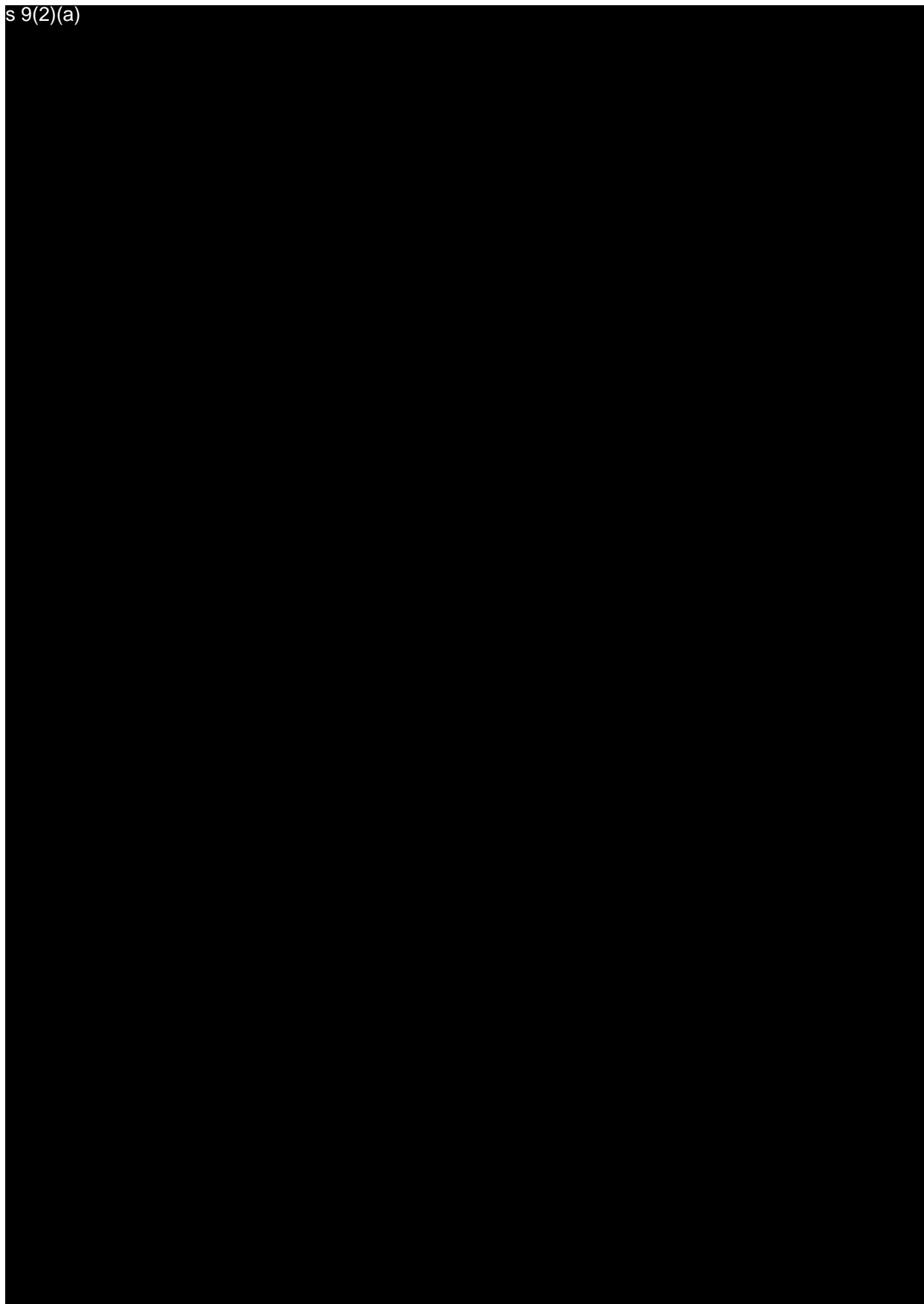
- There are no active cases associated with this event, which will close on 12 December.

## ***Community Case Contact Testing***

s 9(2)(a)

A horizontal black bar redacting a line of text.

s 9(2)(a)

A large rectangular black box redacting the majority of the page content.

# Imported Cases in Managed Isolation

**Table 5: Total cases and active cases identified at the border as at 0900 20 November 2020**

Total confirmed cases identified at the border	Active Cases in MIQ facilities
331	36

- **Three** new cases have been detected at the border.
  - Case 1 arrived from Romania (via Qatar and Brisbane) on 03 November. They are already at Jet Park due to being a contact of three confirmed cases. They tested negative on 09 and 12 November. They tested positive during day 12 testing.
  - Case 2 arrived from Dubai on 15 November EK448 from Dubai. They tested positive during day 3 routine testing and are being transferred to Jet Park.
  - Case 3 arrived from Qatar via Brisbane on 17 November. They tested positive during day 3 routine testing and are being transferred to Jet Park.

# Community Behaviour Indicators

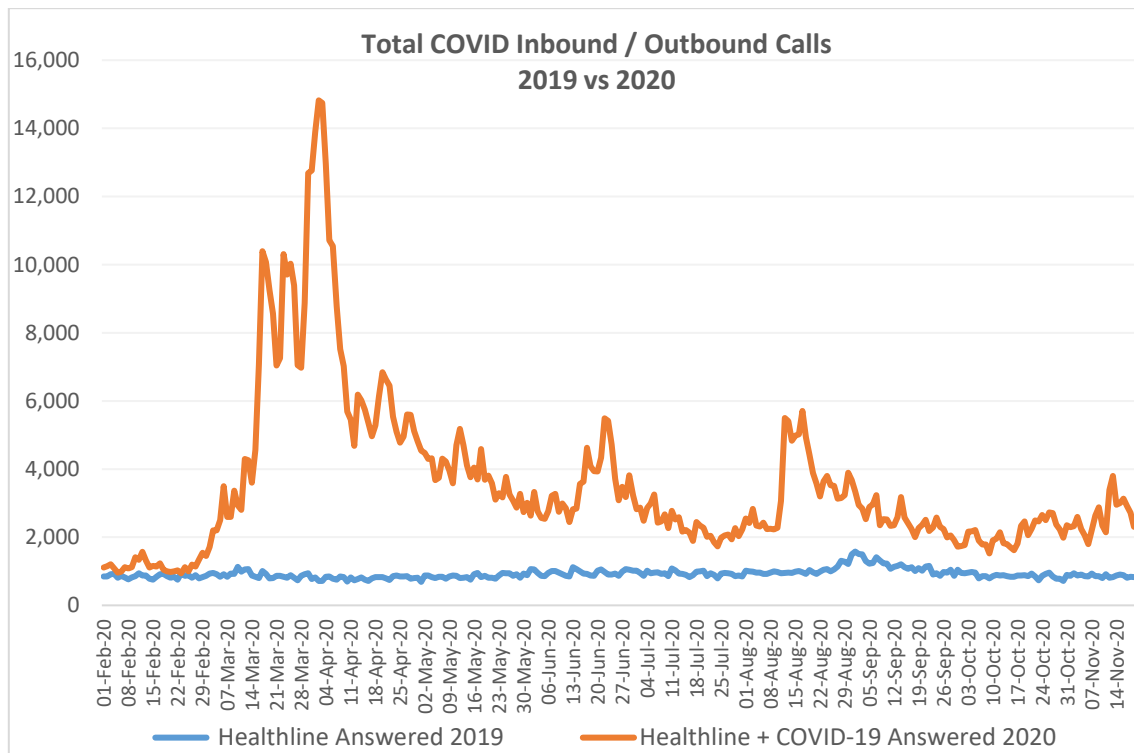
## Healthline

- On 19 November 2020 there were 2,300 contacts in Healthline compared to 1,060 on the same day last year.
- Demand on 1737 Need to talk? and other mental health services was 522 contacts (lower than forecasted).

The main themes yesterday were:

- The volume yesterday dropped and was the lowest we have had in the last 10 days
- The biggest driver of volume was increased levels of calls from people that have covid symptoms – it would appear that following the events of the last few weeks we are seeing a lower threshold from the wider community when reaching out for advice and information on symptoms.
- Continue to receive calls from people who had been casual contacts of the various exposure events.
- Questions from employers regarding symptomatic employees and wearing masks

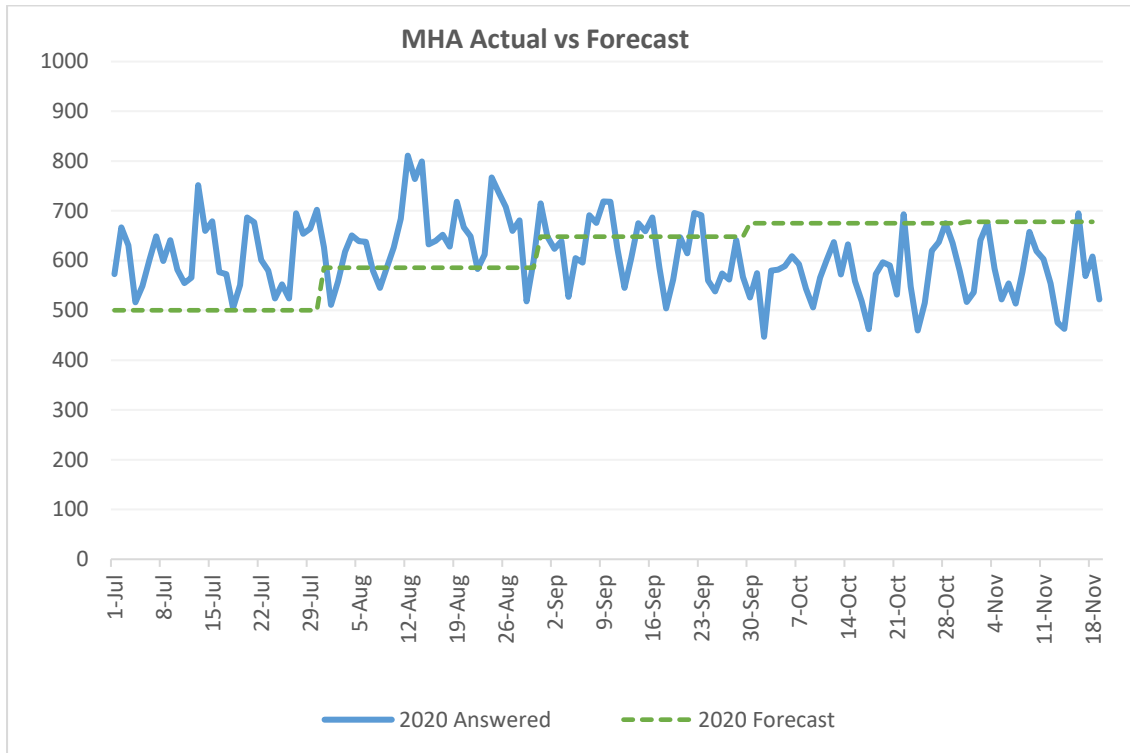
**Figure 1: Healthline COVID-19 Call Volumes - Comparison to Last Year**





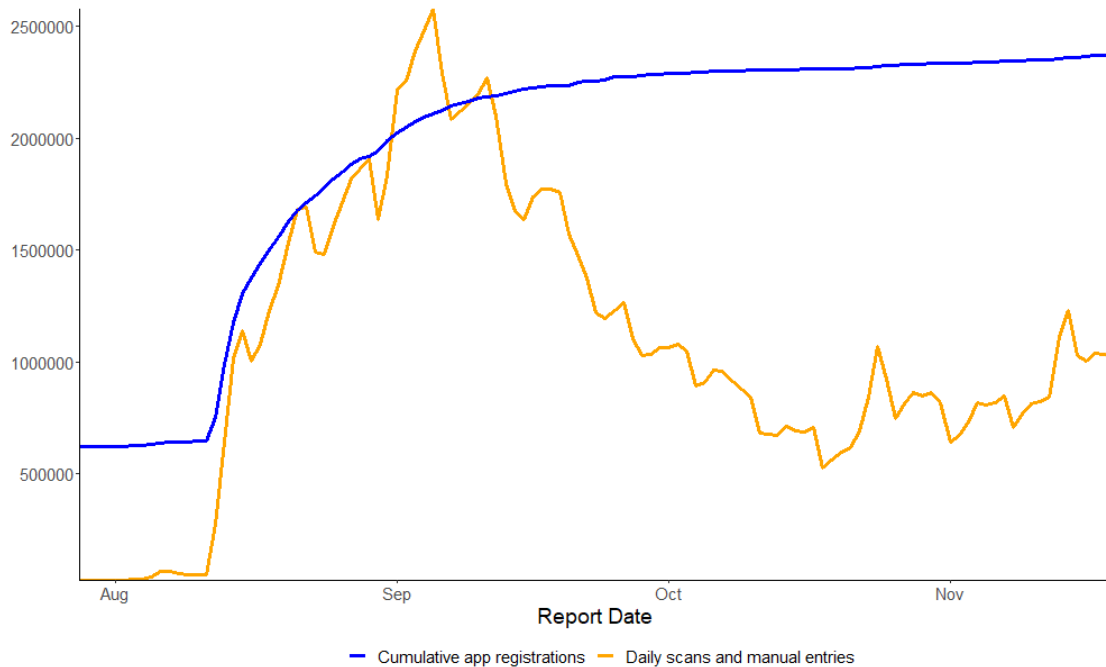
**Healthline Mental Health Response**

**Figure 2: Healthline Mental Health Response**

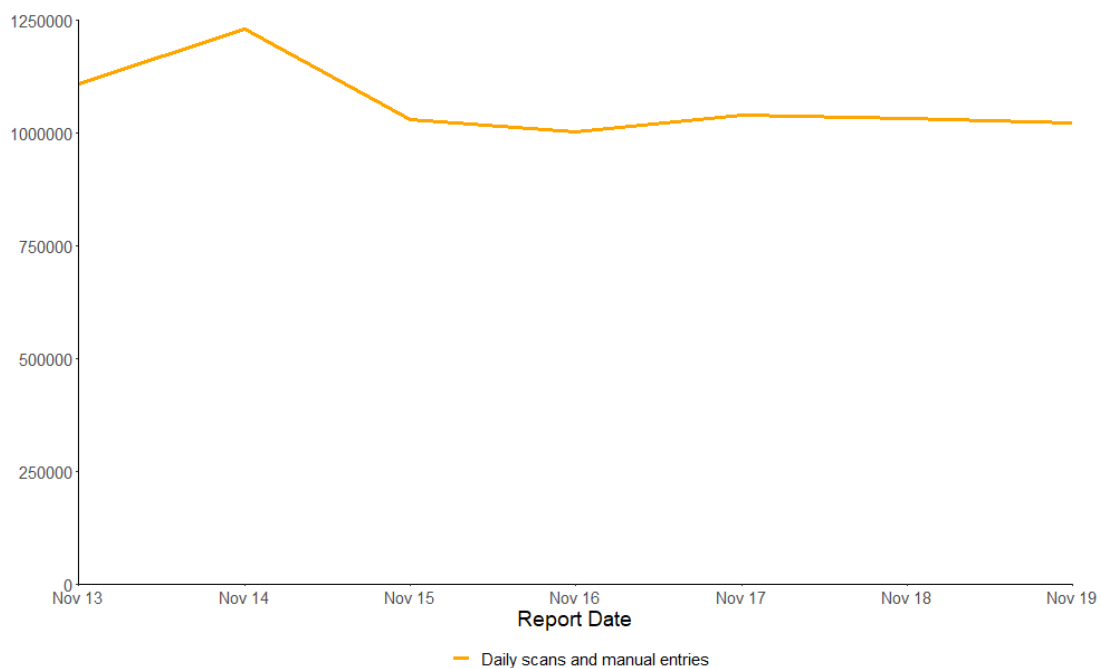


## COVID-19 App Scans

**Figure 3: COVID-19 Tracer App cumulative registered users and daily scans/manual entries as at 1600 19 November 2020**



**Figure 4: COVID-19 Tracer App daily scans/manual entries for the past week as at 1600 19 November 2020**



# Precautionary Testing

## Border and Arrival Lab Testing

**Table 3: Border Testing and MIF/MIQ Guest Testing as at 1000 20 November 2020**

Grouping	Reason for test:	13 Nov	14 Nov	15 Nov	16 Nov	17 Nov	18 Nov	19 Nov	Weekly Total
Border workers	Air Crew	62	69	24	51	25	121	29	381
	Airport Staff	204	199	80	153	234	171	177	1218
	Maritime Crew	18	37	0	0	195	0	8	258
	MIF Staff	371	491	209	313	432	262	515	2593
	MIQ Staff	43	48	24	6	30	33	23	207
	Port Staff-Port of Tauranga Ltd	19	20	6	1	12	59	45	162
	Port Staff – Port of Auckland	80	83	4	5	5	5	180	362
	Port Staff-Remainder	85	5	1	7	147	31	79	355
Community	CTCs And Pop-Ups	3030	5877	2861	3814	3814	4302	4037	27735
	GPs and Other Primary Health	1869	2804	1159	1059	2772	3061	3527	16251
Travellers	Staying At MIF	524	880	914	731	719	607	663	5038
	Staying At MIQ	18	12	16	6	7	13	9	81
Total		6323	10525	5298	6146	8392	8665	9292	54641

## Day 3 and Day 12 testing

**Table 4: MIQ/MIF guest testing as at 1000 20 November 2020**

Test Report Date	Tested	Tested Day 3	Tested Day 12	Tested Positive Day 3	Tested Positive Day 12
6/11/2020	989	454	480	1	0
7/11/2020	640	343	239	6	0
8/11/2020	759	124	603	1	1
9/11/2020	1062	525	497	3	0
10/11/2020	511	206	247	1	0
11/11/2020	1090	369	632	2	2
12/11/2020	1276	555	646	1	2
13/11/2020	610	267	246	0	1
14/11/2020	824	432	288	3	0
15/11/2020	1147	427	652	4	0
16/11/2020	742	483	182	4	0
17/11/2020	690	236	372	0	1
18/11/2020	826	475	241	7	0
19/11/2020	652	253	314	1	0

**Table 5: Reasons for not having a Day 3 and/or Day 12 test as at 1000 20 November 2020**

Reason for no test	September	October	November	Total
<b>Child*</b>	80	65	47	192
<b>Clinical</b>	5	6	8	19
<b>Management Plan Change</b>	2			2
<b>No Consent</b>	17	4	34	55
<b>Other**</b>	4	67	63	134
<b>Total</b>	<b>108</b>	<b>142</b>	<b>152</b>	<b>402</b>

\*'Child' usually refers to children under the age of 6 months.

\*\*'Other' reasons include testing being done a day or so earlier due to contact tracing or symptomatic cases.

## DHB Testing by Ethnicity

Table 6: Number of people tested for COVID-19 from **05 November to 19 November**.

DHB of domicile	Prioritised ethnicity MPAO					
	Māori	Pacific	Asian	Other	Unknown	Total
Auckland	590	830	3224	5002	976	10622
Bay of Plenty	311	35	151	1000	20	1517
Canterbury	284	131	551	3244	182	4392
Capital and Coast	342	228	446	2467	92	3575
Counties Manukau	938	1755	2189	2517	155	7554
Hawke's Bay	141	51	49	479	22	742
Hutt Valley	183	105	158	784	16	1246
Lakes	191	15	54	331	13	604
MidCentral	157	32	79	732	21	1021
Nelson Marlborough	102	39	45	901	18	1105
Northland	229	15	43	516	24	827
South Canterbury	16	2	18	180	7	223
Southern	150	55	186	1621	34	2046
Tairāwhiti	108	8	31	129	3	279
Taranaki	81	4	24	450	8	567
Waikato	547	84	350	1658	68	2707
Wairarapa	39	9	3	228	4	283
Waitematā	658	586	2378	5378	78	9078
West Coast	14	1	4	55	2	76
Whanganui	42	4	15	172	6	239
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>5133</b>	<b>4003</b>	<b>10005</b>	<b>27886</b>	<b>1754</b>	<b>48781</b>

**Table 7: Rate per 1000 people tested for COVID-19 from 05 November to 19 November.**

	Prioritised ethnicity MPAO				
DHB of domicile	Māori	Pacific	Asian	Other	Total
Auckland	13.56	14.8	17.23	19.13	<b>19.38</b>
Bay of Plenty	5.2	7.87	7.7	6.36	<b>6.29</b>
Canterbury	5.42	9.24	9.07	7.27	<b>7.66</b>
Capital and Coast	9.36	10.28	8.88	11.6	<b>11.11</b>
Counties Manukau	10.54	14.61	14.48	12.03	<b>13.26</b>
Hawke's Bay	3.26	7.95	5.35	4.43	<b>4.45</b>
Hutt Valley	7.02	8.99	8.42	8.32	<b>8.26</b>
Lakes	4.96	5.87	5.55	5.52	<b>5.45</b>
MidCentral	4.31	5.77	5.1	5.91	<b>5.63</b>
Nelson Marlborough	6.36	15.78	6.06	7.16	<b>7.28</b>
Northland	3.76	3.99	5.2	4.73	<b>4.55</b>
South Canterbury	3.01	4.1	7.61	3.48	<b>3.73</b>
Southern	4.47	7.99	7.21	6.06	<b>6.13</b>
Tairāwhiti	4.36	7.16	26.56	5.84	<b>5.67</b>
Taranaki	3.47	2.87	3.85	5.01	<b>4.69</b>
Waikato	5.67	6.3	7.93	6.16	<b>6.4</b>
Wairarapa	4.89	10.83	2.41	6.39	<b>6.19</b>
Waitematā	10.51	13.14	16.54	14.06	<b>14.33</b>
West Coast	3.61	3.96	4.32	2.04	<b>2.37</b>
Whanganui	2.42	2.63	5.12	4	<b>3.69</b>
<b>Total</b>	<b>6.6</b>	<b>12.5</b>	<b>13.1</b>	<b>9</b>	<b>9.8</b>