



Coronavirus **COVID-19**



Rialtas na hÉireann
Government of Ireland





National Public Health Emergency Team (NPHET) Report

19th May – 26th July

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Introduction

This report covers close contacts of cases of COVID-19 identified for the period from 19th May to the 26th of July.

Day 0 testing of all close contacts commenced on 19th May. Day 7 testing commenced on 28th May (for those whose last date of exposure was 21st May). Data are provisional. Analysis is based on the following data extracts as of 10pm, 27th July:

- CovidCare Tracker (CCT) Extracts – Patient and Contacts
- Swiftqueue Referrals Extract
- Laboratory Results Extract

Clarifications:

Day 0 testing is arranged as soon as a Contact is informed they have been in close contact with a confirmed case.

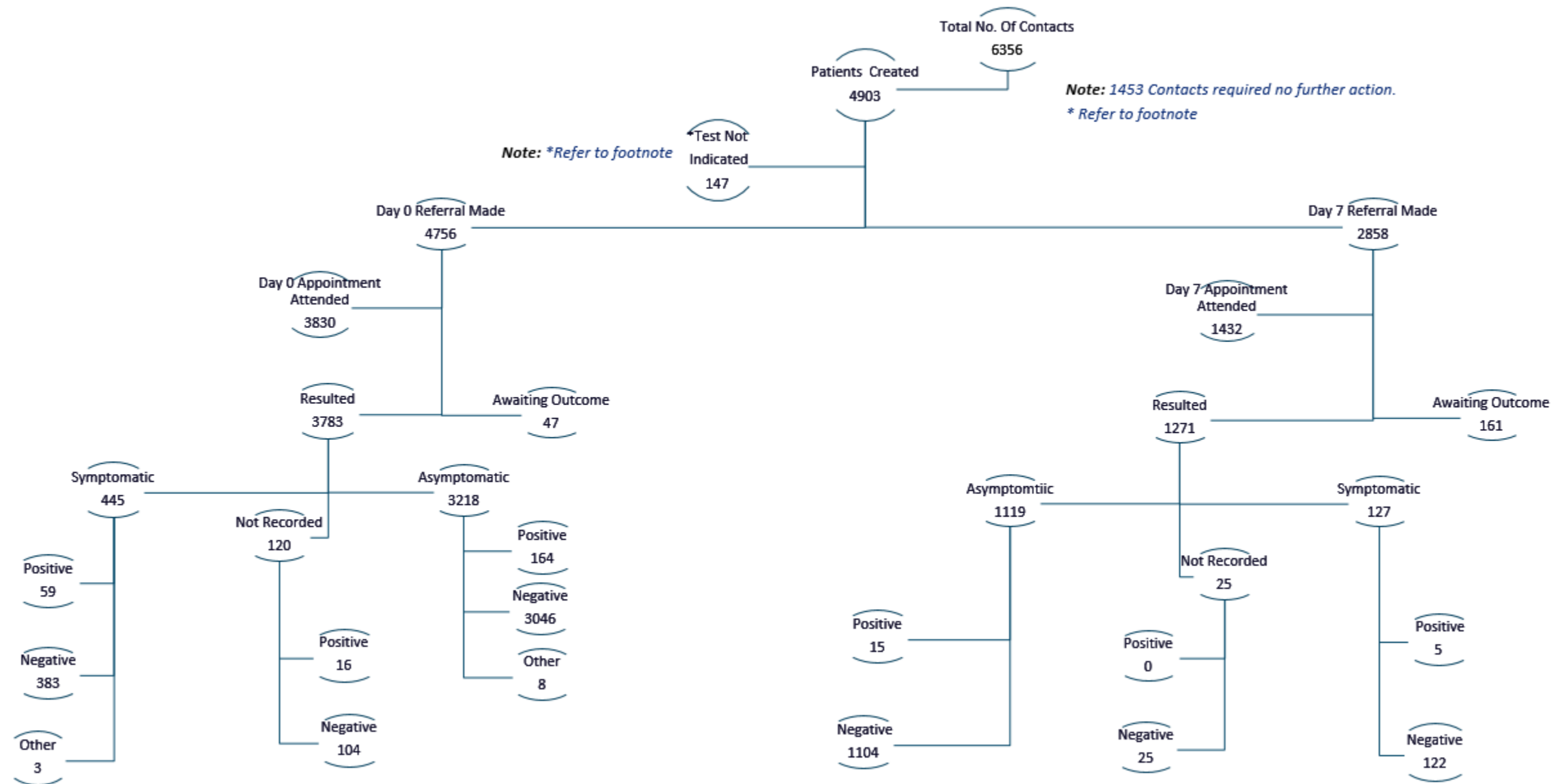
Day 7 testing is arranged on the true seventh day from last contact with the confirmed case where a Day 0 test was earlier than sixth day since last contact with case.

Limitations:

While attempts were made to identify alternative COVID-19 IDs for patients where data was incomplete, it was not possible in all instances.



Contact Tracing Outcomes – Day 0 and Day 7 Testing



***Patients required no further action on the CovidCare Tracker in the following instances:**

- Tested positive in past 84 days.
- Managed off-line by local DPH's e.g. in setting of outbreak.
- Simultaneous contact of multiple cases, already undergoing active surveillance and referred for testing.
- Invalid contact information, case unable to provide further detail

***A test may not be indicated if patient:**

- Has tested positive in the past 84 days
- Is already scheduled for a test as a simultaneous contact of multiple cases

Day 7 testing is not indicated if patient:

- Has a positive Day 0 test *OR* Has had a Day 0 test in last 24 hours.

***Definitions:**

- 'Other' - Test result other than detected or not detected i.e. Invalid, Indeterminate, Inhibitory, Not Tested
- 'Awaiting Outcome' – Result not yet received by laboratory or undergoing analysis.
- 'Day x Appointment Attended' – appointment marked as attended by Swiftqueue Appointment System.



SARS-CoV2 Day 0 Test Results

Day 0 – Reporting Period 19th May to 26th July

Day 0 Test				
Result	Symptomatic No. (%)	Asymptomatic No. (%)	Not recorded No.	Total No. (%)
Positive	59 (13)	164 (5)	16 (13)	239 (6)
Not detected	383 (87)	3046 (95)	104 (86)	3533 (93)
Other	3 (<1)	8 (<1)	0 (0)	11 (<1)
	445 (100)	3218 (100)	120 (100)	3783 (100)

SARS-CoV2 Day 7 Test Results

Day 7 – Reporting Period 19th May to 26th July

Day 7 Test				
Result	Symptomatic No. (%)	Asymptomatic No. (%)	Not recorded No.	Total No. (%)
Positive	5 (4)	15 (1)	0 (0)	20 (2)
Not detected	122 (96)	1104 (99)	25 (100)	1251 (98)
Other	0 (0)	0 (0)	0 (0)	0 (0)
	127 (100)	1119 (100)	25 (100)	1271 (100)

Data are provisional

Other includes invalid/inhibitory/indeterminate

Those who had tested positive within the past three months were not re-tested

Some close contacts are managed off the CCT



Result Changes

There were 1,271 close contacts where the initial day 0 test result was negative, and day 7 test results were available. Of these, 20 (1.6%) converted to positive between day 0 and day 7.

Follow up of those who “Do not attend”

An analysis of those who do not have a test performed is being undertaken. Preliminary information indicates that rates are highest in the very young, and the elderly. Contacts who are unable to attend an appointment are offered the opportunity to reschedule. Consideration needs to be given to the extent of follow-up that is appropriate in these age-groups. A breakdown of attendance by age group is presented below.

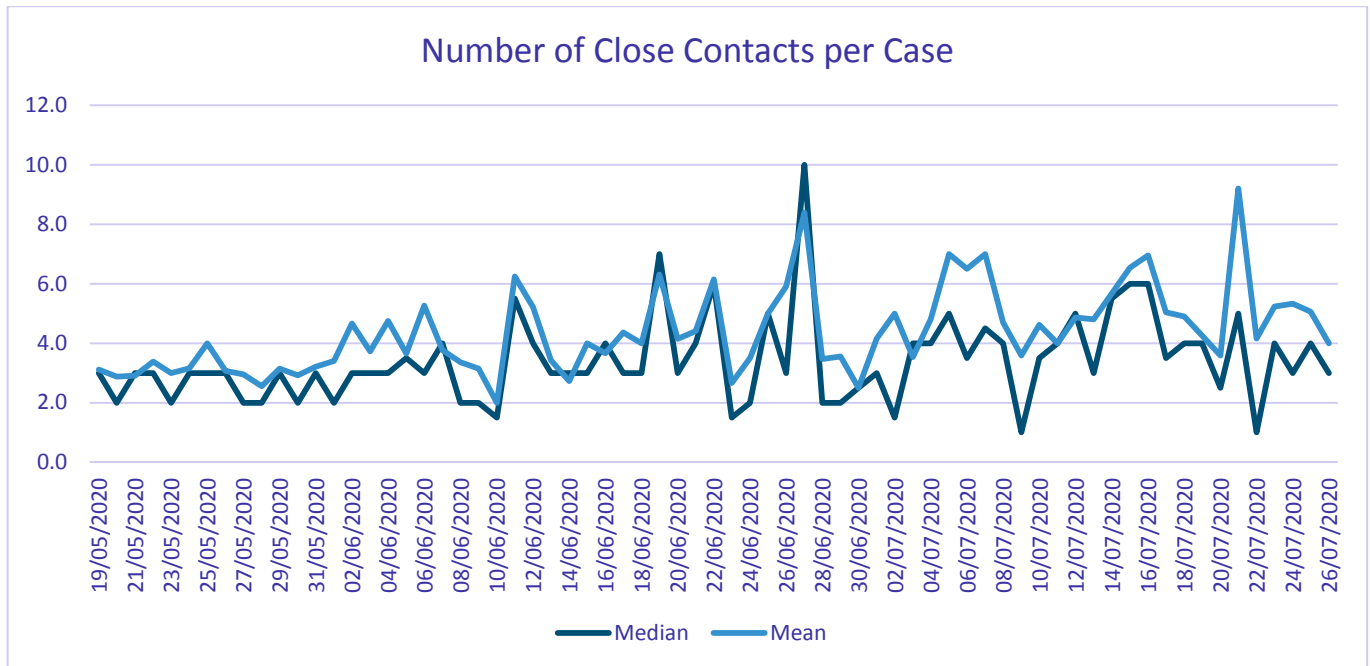
Attendance Rates by Age Group										
Age Group	0 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80+	All
Day 0 Tests Attended	72%	85%	82%	82%	84%	86%	88%	77%	48%	80%
Day 7 Tests Attended	38%	56%	52%	51%	54%	60%	61%	40%	32%	50%

Attendance Rates by Symptom Status			
	Symptomatic	Asymptomatic	Not Recorded
Day 0 Tests Attended	72%	85%	82%
Day 7 Tests Attended	47%	52%	34%



Number of Close Contacts per Case

The mean and median number of close contacts per case recorded on the CCT, since 19th May, and for the last week, is outlined graphically, and in tabular format, respectively, below.



Mean and median close contacts per case – 19th of July to 26th of July

Date	Median	Mean
Monday 20 July 2020	2.5	3.6
Tuesday 21 July 2020	5.0	9.2
Wednesday 22 July 2020	1.0	4.2
Thursday 23 July 2020	4.0	5.2
Friday 24 July 2020	3.0	5.3
Saturday 25 July 2020	4.0	5.1
Sunday 26 July 2020	3.0	4.0



Close and Complex Contact Overview, week 19-26th July

In the week ending July 26th 2020, 610 close contacts were recorded on the Covidcare Tracker. The area of residence, demographic profile, circumstances of contact and symptomatic status of those close contacts are outlined below. Complex contact situations e.g. flights, restaurants, sporting clubs are also outlined. These situations are investigated by staff in Departments of Public Health. Close contacts identified are managed by staff in Departments of Public Health, and by the CMP, thereafter.

Source of Close Contacts

Call to Index Case	600 (98.4%)
COVID Tracker App*	10 (1.6%)

* Contacts identified by the COVID Tracker App were excluded from this analysis if they were also identified by the patient.

Contacts by Region

Region	No. of Close Contacts	No. of Complex Contacts
East	349	56
Midlands	35	7
Mid-West	24	7
Northeast	32	4
Northwest	5	0
South	46	0
Southeast	6	0
West	64	7
Not Recorded	49	19
Total	610	100



Close Contact Demographic Details

Age Group	Female	Male	Not Recorded	Total
<i>0 to 9</i>	47	33	0	80
<i>10 to 19</i>	28	26	1	55
<i>20 to 29</i>	62	54	0	116
<i>30 to 39</i>	60	45	2	107
<i>40 to 49</i>	38	40	1	79
<i>50 to 59</i>	30	24	0	54
<i>60 to 69</i>	13	10	0	23
<i>70 to 79</i>	11	8	0	19
<i>80+</i>	3	0	0	3
<i>Not Recorded</i>	30	35	9	74
Total	322	275	13	610

Close Contacts: circumstances and symptoms

Circumstance	Symptoms			Total
	Symptomatic	Asymptomatic	Not Recorded	
Household	14	200	14	228
Social	21	117	14	152
Work	6	43	5	54
Transport	4	45	25	74
Healthcare Facility: Staff	0	6	0	6
App	0	7	3	10
Other	2	26	2	30
Not recorded	5	39	12	56
Total	52	483	75	610



Complex Contacts – Reason for Complexity

Flight	7
Home Help Services	1
Hospital	7
Member of the Traveller Community	1
Nursing Home	24
Other Residential Care Setting	1
Potential outbreak in another setting	48
Public transport	5
Social Venue	6
Grand Total	100

Data are provisional

Some close contacts are managed off the CCT

Ends.