



Department
of Health &
Social Care



Test and Trace

**Weekly statistics for NHS Test and Trace
(England) and coronavirus testing (UK):
13 August – 19 August**

Main points

Since NHS Test and Trace launched (28th May – 19th August):

- 6,115 new people tested¹ positive for Coronavirus (COVID-19) in England in between 13 August and 19 August. This is a decrease of 8% in positive cases compared to the previous week and the first decrease since the start of July. The number of people tested has increased by 2% in the same time period.
- Median turnaround times for pillar 2 (swab testing for the wide population) have continued to increase between 13 August and 19 August compared to the previous week, for all routes except Satellite Testing Centres which decreased from 76 hours to 65 hours.
- 7,941 people were transferred to the contact tracing system between 13 August and 19 August. This is an increase of 65% compared to the previous week. This is partially due to a temporary infrastructure issue which resulted in a delay between some people testing positive and being transferred to NHS Test and Trace.
- Of those transferred to the contact tracing system between 13 August and 19 August, 72.6% were reached and asked to provide information about their contacts, compared to 79.0% in the previous week.
- 24,197 people were identified as coming into close contact with someone who has tested positive between 13 August and 19 August. Of these, 75.5% were reached and asked to self-isolate, compared to 71.6% in the previous week.

For Coronavirus (COVID-19) testing in the UK:

- 1,197,705 tests were processed in the UK, across all pillars, between the week from 13 August to 19 August, this is approximately consistent with the previous week.
- Testing capacity between 13 August and 19 August was at 2,289,657 tests per week, a decrease of 3% since the previous week.

¹ For information on how people newly tested and newly testing positive is measured see the [NHS Test and Trace statistics methodology](#).

Introduction

The Department for Health and Social Care publishes weekly statistics on NHS Test and Trace (England) and Coronavirus (COVID-19) testing in the UK, across all four testing pillars. The purpose of this publication is to provide a weekly update on the implementation and performance of NHS Test and Trace in England and Testing in the UK.

For NHS Test and Trace (England), this includes:

Testing

- People tested for coronavirus (COVID-19), England
- People testing positive for coronavirus (COVID-19), England
- Time taken for test results to become available, England

Contact Tracing

- People transferred to the contact tracing system, and the time taken for them to be reached, England
- Close contacts identified for complex and non-complex cases, and the time taken for them to be reached, England

For Coronavirus (COVID-19) testing in the UK, this includes:

- Lab testing capacity, UK
- Number of tests sent out, UK
- Number of tests processed, UK

Data collected for NHS Test and Trace is primarily for operational purposes and was not designed to track the spread of the virus. Studies into the spread of the virus in the UK are carried out by the Office for National Statistics (ONS). A list of data sources relating to the coronavirus pandemic in the UK can be found at [Coronavirus \(COVID-19\) statistics and analysis](#). A breakdown of all available testing and contact tracing data in the UK can be found at [Testing and contact tracing in the UK: summary of data](#)

A full explanation of the data sources and methods used to produce these statistics can be found in the additional methodology documents for [NHS Test and Trace statistics](#) and for [Coronavirus \(COVID-19\) Testing data](#).

Revisions to figures previously published

Figures given in previous releases are routinely revised for people tested for coronavirus, people testing positive for coronavirus, pillar 2 testing turnaround times, contact tracing and cumulative figures for Coronavirus testing in the UK. Figures for pillar 1 testing turnaround times are not routinely revised as only minor changes occur to past weeks post publication. Figures are only revised when substantial changes occur. More detail on routine revisions is given in the quality section.

1. NHS Test and Trace

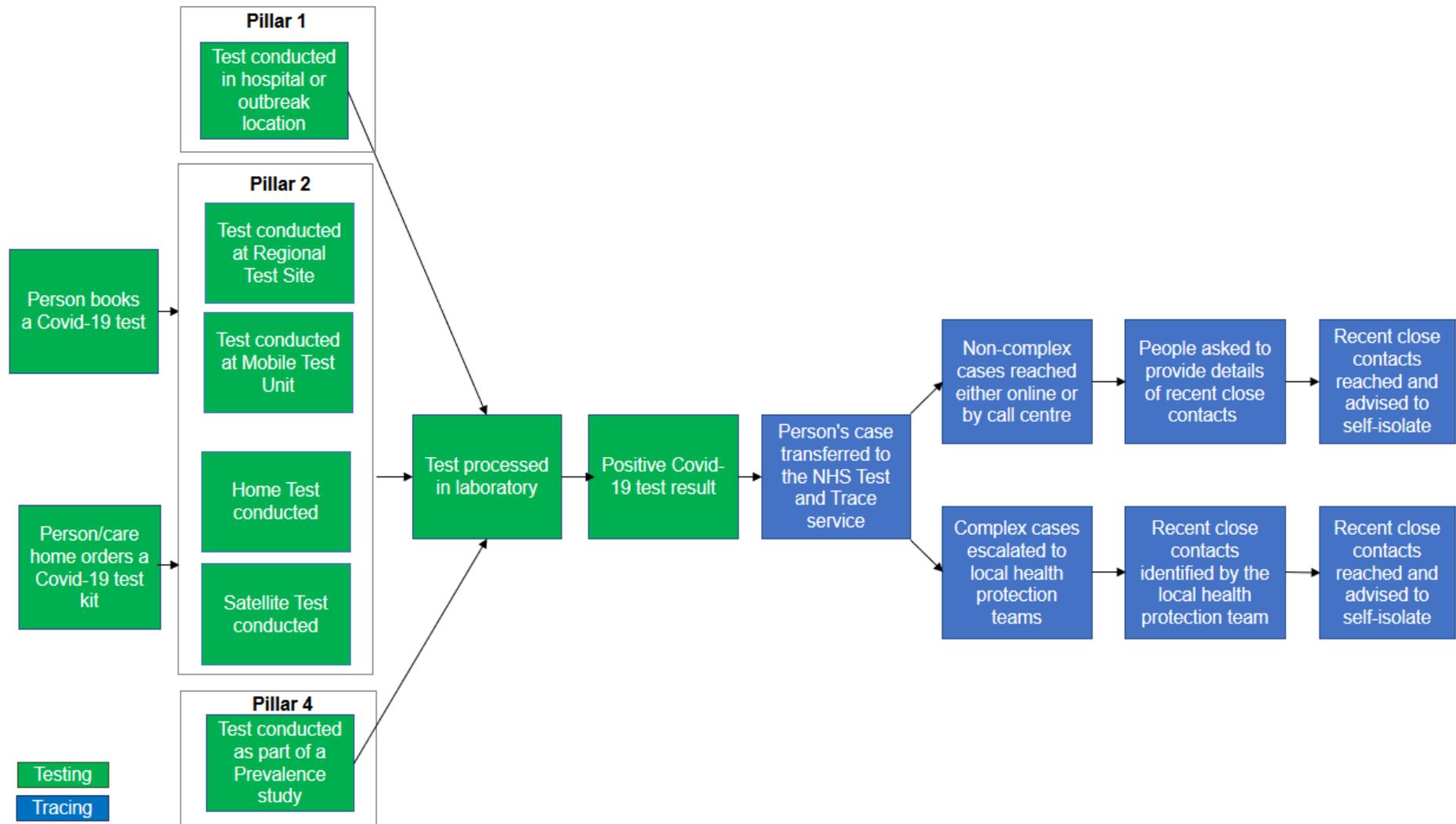
NHS Test and Trace was launched in England on 28th May and ensures that anyone who develops symptoms of coronavirus (COVID-19) can quickly be tested to find out if they have the virus. It then helps trace recent close contacts of anyone who tests positive for coronavirus and, if necessary, notifies them that they must self-isolate at home to help stop the spread of the virus. The flow of how people move through the NHS Test and Trace service is shown in Figure 1. More information about NHS Test and Trace can be found at [NHS Test and Trace: How it Works](#).

Testing in England

NHS Test and Trace starts with an individual taking an antigen test, either in pillar 1 (testing in hospitals and outbreak locations), pillar 2 (national swab testing) or pillar 4 (prevalence studies). Those who go on to test positive will have their case transferred to NHS Test and Trace for contact tracing.

NHS Test and Trace is for England only, therefore the figures in this section are given for England. Figures for UK testing are given in Section 2 and information on contact tracing in Scotland, Wales and Northern Ireland can be found directly from Public Health Scotland, the Welsh government and the Northern Ireland Public Health Agency.

Figure 1: Flowchart showing how people move through the NHS Test and Trace service

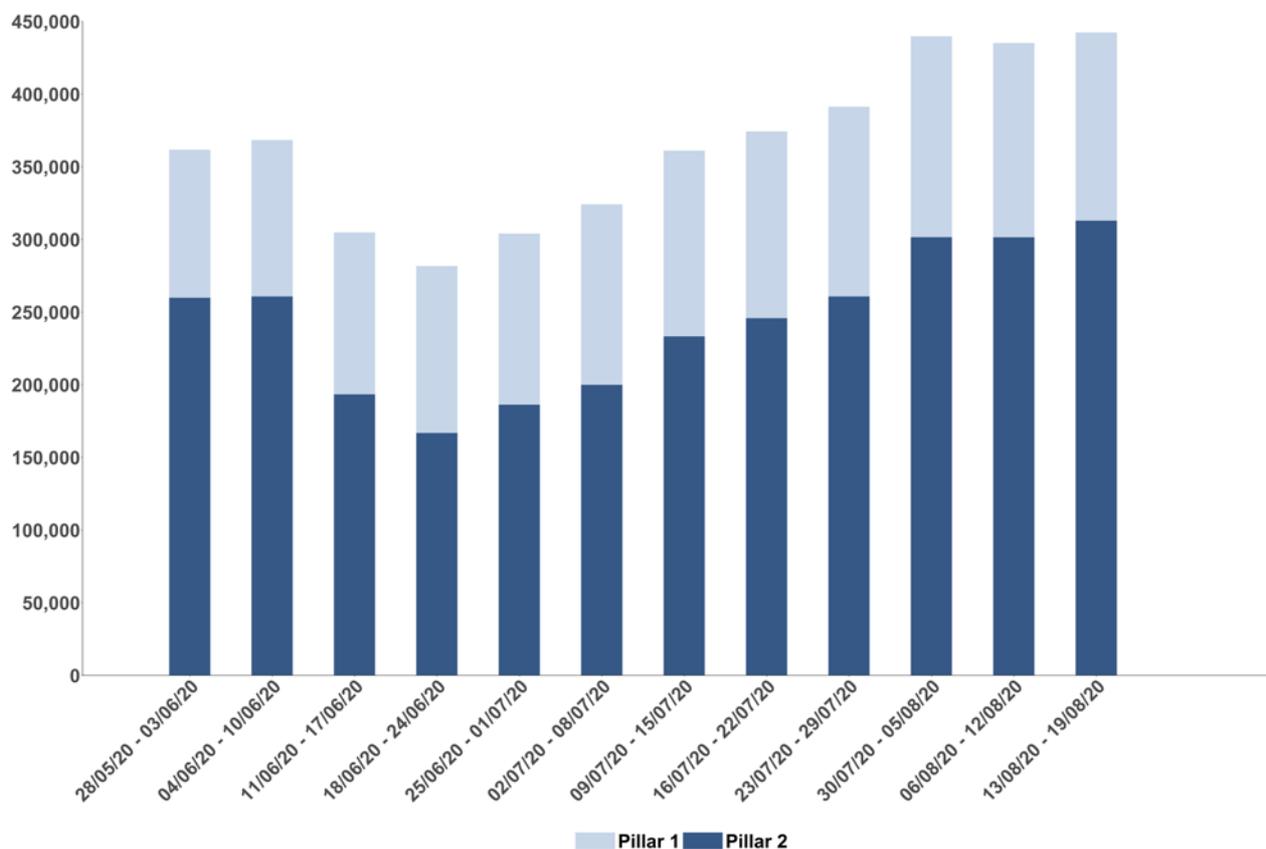


People tested, England

Between 13 August and 19 August, 442,392 people were newly tested for coronavirus (COVID-19), an increase of 2% from the previous week. 6,115 new people had a positive result, a decrease of 8% from the previous week Error! Bookmark not defined.

Since Test and Trace launched at the end of May, 4,389,503 people have been tested, of which 66.6% were tested under pillar 2 (national swab testing) and 33.4% under pillar 1 (testing in hospitals and outbreak locations). The number of people tested increased from mid-June to the beginning of August and has remained approximately constant for the past 3 weeks. The number of people tested under pillar 2 has increased by 4% since the previous week, in comparison to people tested under pillar 1 which has decreased by 3%.

Figure 2: Number of people newly tested for COVID-19 by Pillar, England



The data for the most recent weeks can be found in the Annex, [Table 1](#).

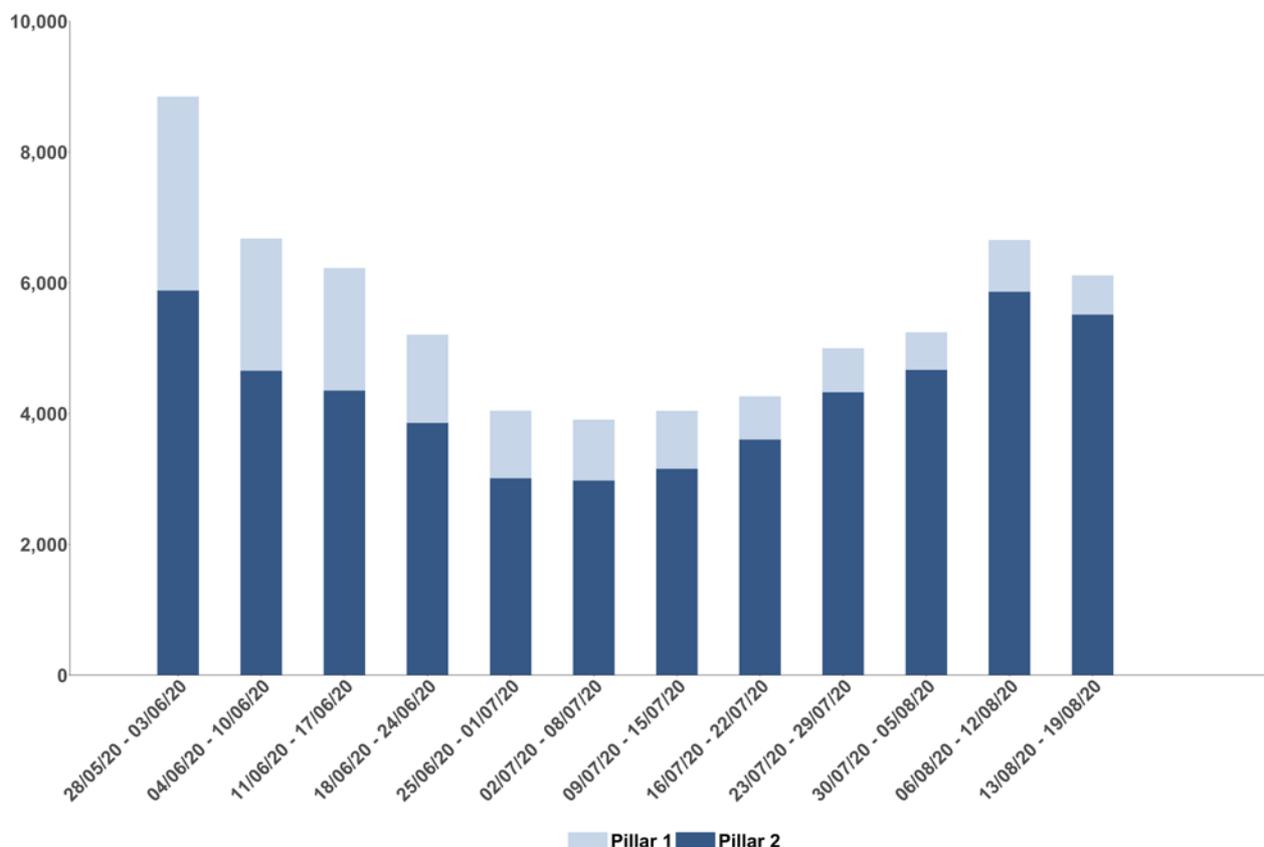
Since Test and Trace launched at the end of May, 66,236 people newly tested positive for COVID-19², 78.3% of these positive cases were tested under pillar 2 in comparison to

² Includes a small number of people who had a test under pillar 4 (serology and swab testing for national surveillance).

21.7% under pillar 1³. Between 13 August and 19 August, the number of people testing positive has fallen by 8% compared to the previous week. This is the first decrease in people testing positive since the beginning of July.

There has been a 24% decrease in the number of positive cases under pillar 1 between 13 August and 19 August, compared to the previous week, and a 6% decrease in the number of positive cases under pillar 2.

Figure 3: Number of people newly testing positive for COVID-19 by pillar, England



The data for the most recent weeks can be found in the Annex, [Table 1](#).

Pillar 1 testing turnaround times, England

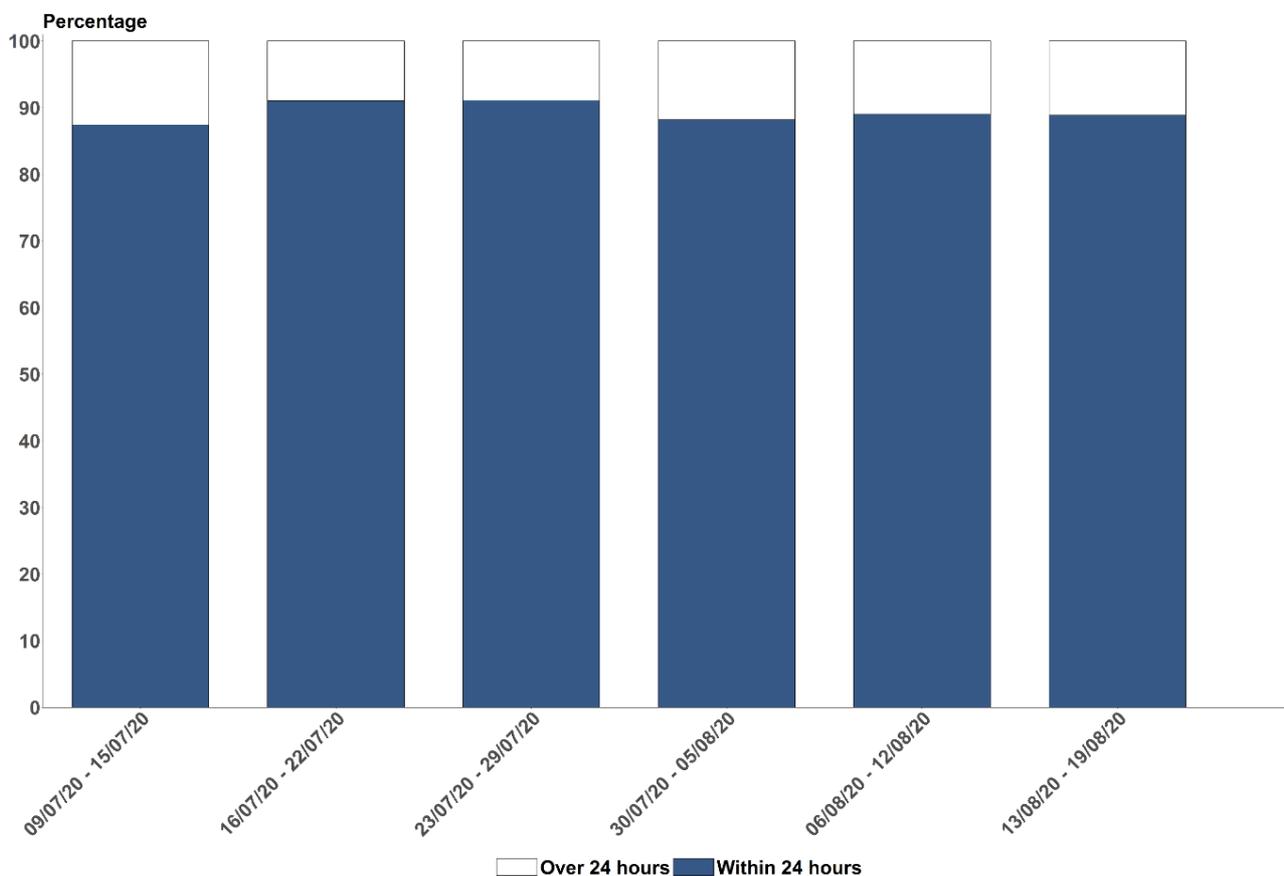
Some pillar 1 tests are conducted in a hospital setting, and it is therefore not practical for those administering the tests to record the exact time that a test was taken. Therefore, the time taken to receive a coronavirus (COVID-19) test result is measured from the time that a test is received by a laboratory for processing to the time when the results are published to the Laboratory Information Management System (LIMS).

³ Note that these figures may not always align with other published figures for people tested and people tested positive for COVID-19 under pillars 1 and 2 due to the timing of data cuts.

The total tests given in figures for pillar 1 turnaround times is not the same as the number of tests processed in pillar 1 as study samples and tests from private laboratories do not report data on turnaround times. This data is only available from 9 July. More details can be found in the [NHS Test and Trace statistics methodology](#).

Almost 9 out of 10 pillar 1 test results were made available within 24 hours of the laboratory receiving the test. This proportion has remained similar since reporting began on 9 July.

Figure 4: Number of pillar 1 test results by whether they were made available within 24 hours of the laboratory receiving the test, England



The data for the most recent weeks can be found in the Annex, [Table 2](#).

Pillar 2 testing turnaround times, England

There are various routes for getting tested within pillar 2 (national swab testing). Data on the time taken to receive a COVID-19 test result for pillar 2 is split up to reflect this, as this impacts on the turnaround times⁴. These routes include:

- **Regional Test Sites**, which includes drive-through testing centres with limited walk-up facilities. This also includes Local Test Sites, which are similar to regional test sites but specifically for walk ups.
- **Mobile Testing Units**, which travel around the UK to increase access to COVID-19 testing. They respond to need, travelling to test people at specific sites including care homes, police stations and prisons.
- **Satellite Test Centres**, which includes test kits provided directly to 'satellite' centres at places like hospitals or care homes that have a particularly urgent or significant need.
- **Home Test Kits**, which are delivered to someone's door so they can test themselves and their family without leaving the house.

Turnaround times are measured and reported in two ways, time taken from booking a test and from taking a test to receiving a test result. More information on these definitions is in the [terminology](#) section. From this week, both measures are reported as the median turnaround time, in addition to the usual turnaround time windows, such as within 24 hours. All these measures are available in full in the accompanying data tables, however only time from taking a test is discussed below.

The total tests reported for pillar 2 turnaround times is not the same as the number of tests processed in pillar 2 as test processed is available for the UK (rather than for England only). In addition, they are reporting on the number of tests at different stages in the process. Further detail is given in the [NHS Test and Trace statistics methodology](#).

After someone takes a test, it is transported to a laboratory for processing. There are normal fluctuations in this operational process which can sometimes cause the time taken to receive a test result to go over 24 hours, but still be turned around the next day. Where appropriate therefore we also provide the number of tests turned around the day after a test was taken.

Satellite tests are predominantly used by care homes who need greater control and flexibility over when test kits are collected. For example, tests may be conducted over multiple days with a collection scheduled a few days later. Home test kits take time to be

⁴ For all measures of time taken to receive a COVID-19 test result, there are a number of tests that were not completed. This covers any test where the results were not communicated, which may be because communication details (for example, phone number or email address) were not provided or were incorrect, or because the test was cancelled or abandoned, or no result was available.

posted to a person and be couriered back to the lab. Consequently, a low proportion of Home and Satellite test results will be available within 24 hours of the test being taken.

The median time taken to receive a test result after taking a test decreased across all routes in the first month of Test and Trace but has since been increasing.

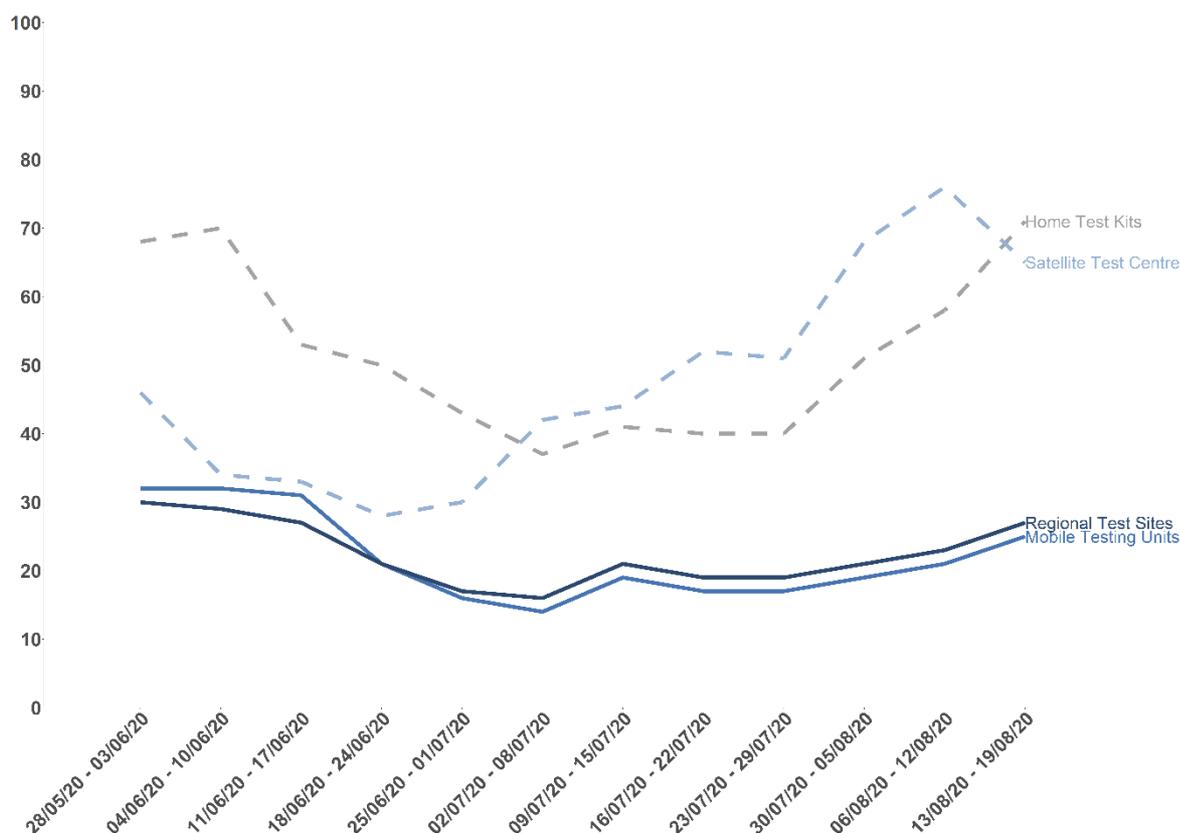
In the first month of Test and Trace, all routes saw a substantial initial reduction in the median time taken to receive a test result. However, since the start of July, the median time taken to receive a test result has seen an overall increase across all routes. During the same period the number of test results sent out has increased by 55% from 428,745 to 664,356.

Between 13 August and 19 August, all routes saw an increase in median time taken from taking a test to receiving the results compared to the previous week, apart from tests taken at Satellite Test Centres.

Home Testing Kits saw the biggest increase in the median time during this period from 58 hours to 71 hours. The median times for in person routes also increased; Regional Test Sites increased from 23 hours to 27 hours and Mobile Testing Units increased from 21 hours to 25 hours. For Satellite Test Centres the median time decreased from 76 hours to 65 hours.

Within the same time period there was also an increase in the number of test results sent out across all routes; increasing by 4% for Home Test Kits, 12% for Regional Test Sites, 16% for Mobile Testing Units, and 12% for Satellite Test Centres.

Figure 5: Median time from taking a test to receiving test results by route, England



The data for the most recent weeks can be found in the Annex, [Table 3](#).

Between 13 and 19 August the percentage of test results received within 24 hours for in person tests has decreased compared to the previous week. In the same time period, the number of test results received within 48 hours for Home Test Kits and Satellite Test Centres increased.

In the most recent week, for in person tests (Mobile Testing Units and Regional Test Centres), 40.7% were received within 24 hours compared to 60.6% in the previous week. 19.5% of test results were received within 48 hours for Home Test Kits and Satellite Test Centres, an increase from 14.5% over the same time period.

For all routes combined⁵, 20.0% of tests from all test sites were received within 24 hours of a test being taken compared to 28.5% in the previous week. If we consider the day the test was taken, 83.8% of in-person tests results were received the next day after the test was taken and 42.9% for all routes combined.

Table 1: Percentage of results received within 24 hours (in-person tests) or within 48 hours (home/satellite tests), by route⁶, England

	06 August – 12 August: Percentage of tests	13 August – 19 August: Percentage of tests	Total since Test and Trace launched. 28 May – 19 August: Percentage of tests
Regional Test Sites within 24 hours	57.8%	36.5%	59.7%
Mobile testing Units within 24 hours	65.3%	47.6%	60.7%
Satellite Test Centres within 48 hours	7.1%	19.3%	41.0%
Home Testing Kits within 48 hours	28.4%	19.9%	45.1%

The data for the total number of tests across the most recent weeks can be found in the Annex, [Table 4](#).

Contact Tracing in England

Once a person has a confirmed positive test result for coronavirus⁵, this person is transferred to NHS Test and Trace and a case is opened for them. The number of positive cases transferred to the contact tracing system may not always align with the number of people testing positive for COVID-19. There are several reasons for this which are outlined in the [information for users](#) document.

Positive cases transferred to NHS Test and Trace are handled in different ways depending on their complexity. Positive cases linked to potential outbreaks in specific settings are handled by PHE Local Health Protection Teams, these are termed complex cases, whereas those managed more generally by online and call centre capacity are termed non-complex cases. Further information is available in the [NHS Test and Trace statistics methodology](#).

Due to a temporary infrastructure issue, there was a delay between some people testing positive for COVID-19 and being transferred to NHS Test and Trace. Consequently, some people who tested positive before this week's reporting period were only transferred to contact tracing in this week's reporting period (13 – 19 August).

Positive cases transferred to NHS Test and Trace

The number of people transferred to the contact tracing system in the latest week has increased by 65% compared to the previous week.

Between 13 August and 19 August, 7,941 people were transferred to the contact tracing system. This is an increase of 65% compared to the week before. This is partially due to a temporary infrastructure issue resulting in a delay between some people testing positive and being transferred to NHS Test and Trace. As a result, some people testing positive before this week's reporting period were only transferred to NHS Test and Trace in this week's reporting period (13 – 19 August).

The number of people transferred has returned to a similar level to when Test and Trace launched at the end of May despite an overall reduction in people testing positive for coronavirus (COVID-19).

⁵ All positive test results under pillar 1 and pillar 2 should be transferred. In addition, all positive swab test results as part of prevalence studies (pillar 4) are also transferred to Test and Trace. People tested under pillar 3 (serology testing to show if people have antibodies from having had COVID-19) do not have their cases transferred to NHS Test and Trace.

Between 13 August and 19 August, almost 3 in every 4 people transferred to the contact tracing system were reached and asked to provide information about their contacts.

Out of the 7,941 people transferred to the contact tracing system in the latest week, 5,767 (72.6%) were reached, 2,091 (26.3%) were not reached and 83 (1.0%) had no communication details. The proportion of people not reached has increased in the latest week.

In the latest week, 531 people, who were reached and asked to provide details of close contacts, were classified as complex cases whereas 5,236 people were classified as non-complex. For more information on the different categories of cases and the outcomes of contact tracing see the [terminology](#) section.

Figure 6: Number of people transferred to the contact tracing system and number of people transferred who were reached and asked to provide details of recent close contacts (includes complex and non-complex cases), England

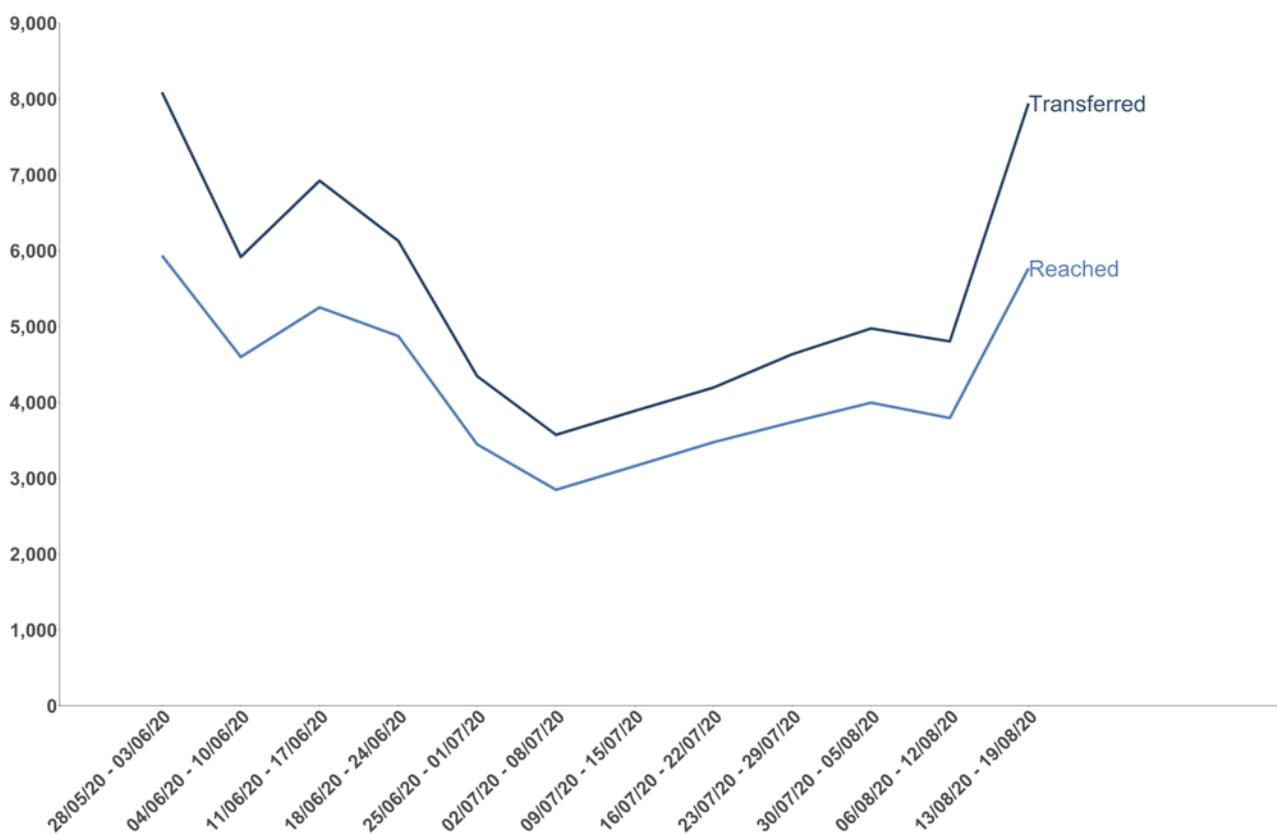


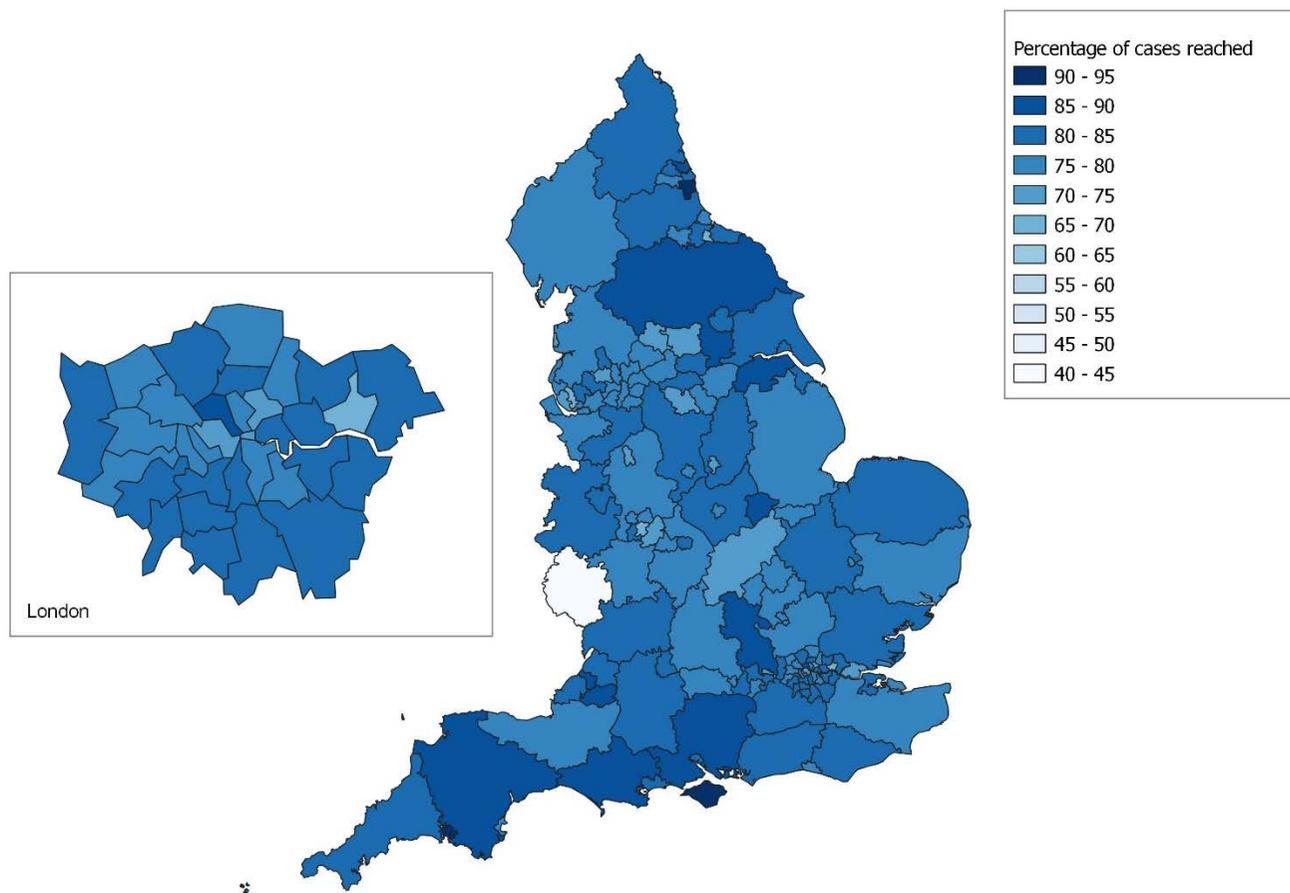
Table 2: People transferred to the contact tracing system (includes complex and non-complex cases) by whether they were reached and asked to provide contact details, England⁶.

	06 August – 12 August: Number of people (Percentage)	13 August – 19 August: Number of people (Percentage)	Since Test and Trace launched. 28 May – 19 August: Number of people (Percentage)
People who were reached and asked to provide details of recent close contacts	3,793 (79.0%)	5,767 (72.6%)	50,876 (77.8%)
People classified as non-complex	3,481	5,236	43,746
People classified as complex	312	531	7,130
People who were not reached	955 (19.9%)	2,091 (26.3%)	12,851 (19.7%)
People whose communication details were not provided	55 (1.1%)	83 (1.0%)	1,671 (2.6%)
Total	4,803	7,941	65,398

⁶ If NHS test and trace is not able to reach an individual testing positive or if no communication details are available, then it is not always possible to know if the case is complex or non-complex. Therefore, these breakdowns are not available.

Proportion of people transferred to the contact tracing system who were reached by upper tier local authority (UTLA)

Figure 7: Percentage of cases reached and asked to provide details of recent close contacts by UTLA since Test and Trace began.



This data is available to download as a csv on the weekly publication collection page⁷.

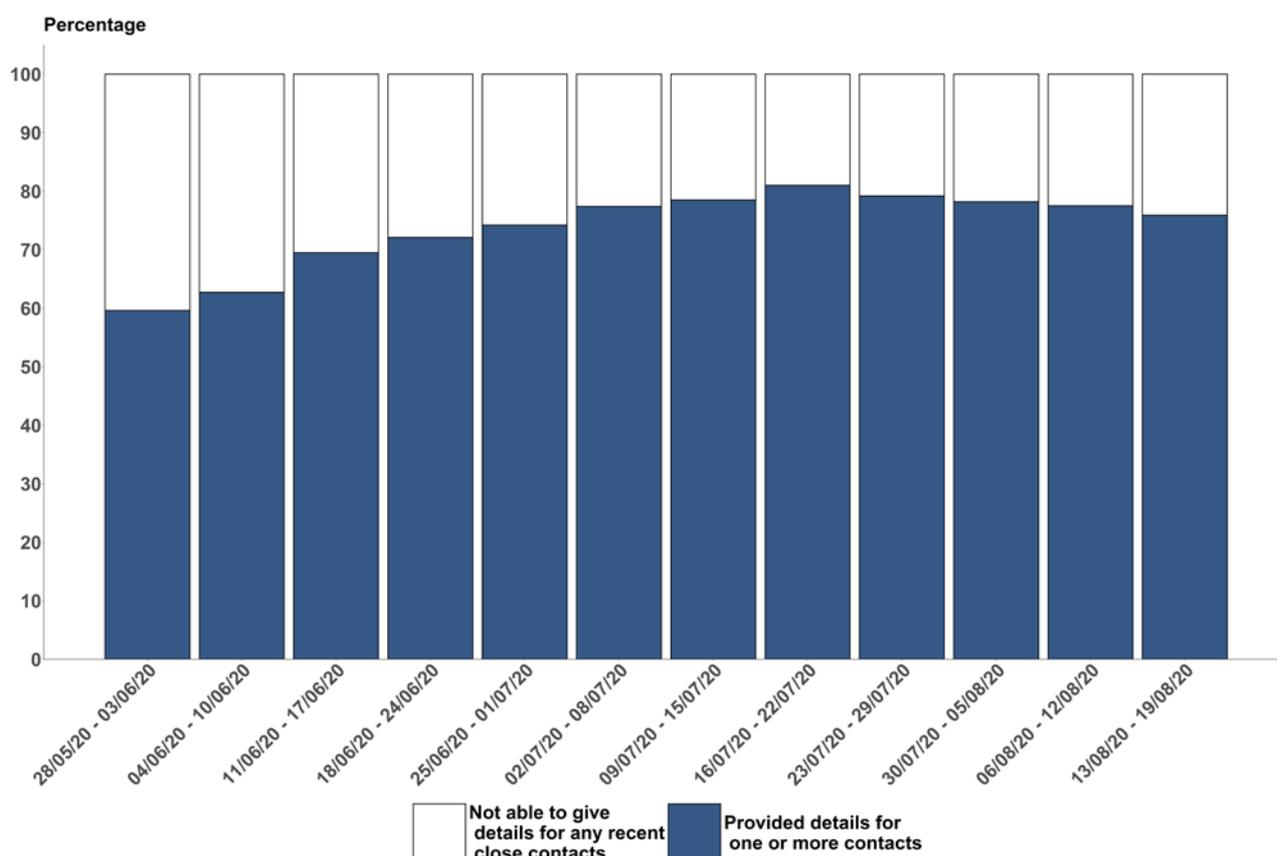
⁷ The regional data uses a different data cut to the main publication therefore cumulative totals will not exactly match.

In the latest week more than 3 in every 4 people who were reached and asked to provide information about their contacts, provided one or more close contacts.

Out of the 5,767 people reached between 13 August and 19 August, 4,378 (75.9%) provided details of one or more close contacts. There has been a gradual increase in the proportion of people providing details for one or more close contacts since Test and Trace launched but has decreased slightly over the past 5 weeks.

The number who were not able to give any recent close contacts refers to people who were successfully reached by NHS Test and Trace, but either had no recent close contacts or could not provide details of close recent contacts to pass on for further contact tracing (for example, recent close contact with strangers on the bus).

Figure 8: Proportion of people transferred to the contact tracing system (includes complex and non-complex cases) who were reached and asked to provide details of recent close contacts by whether they provided details for contacts or not, England

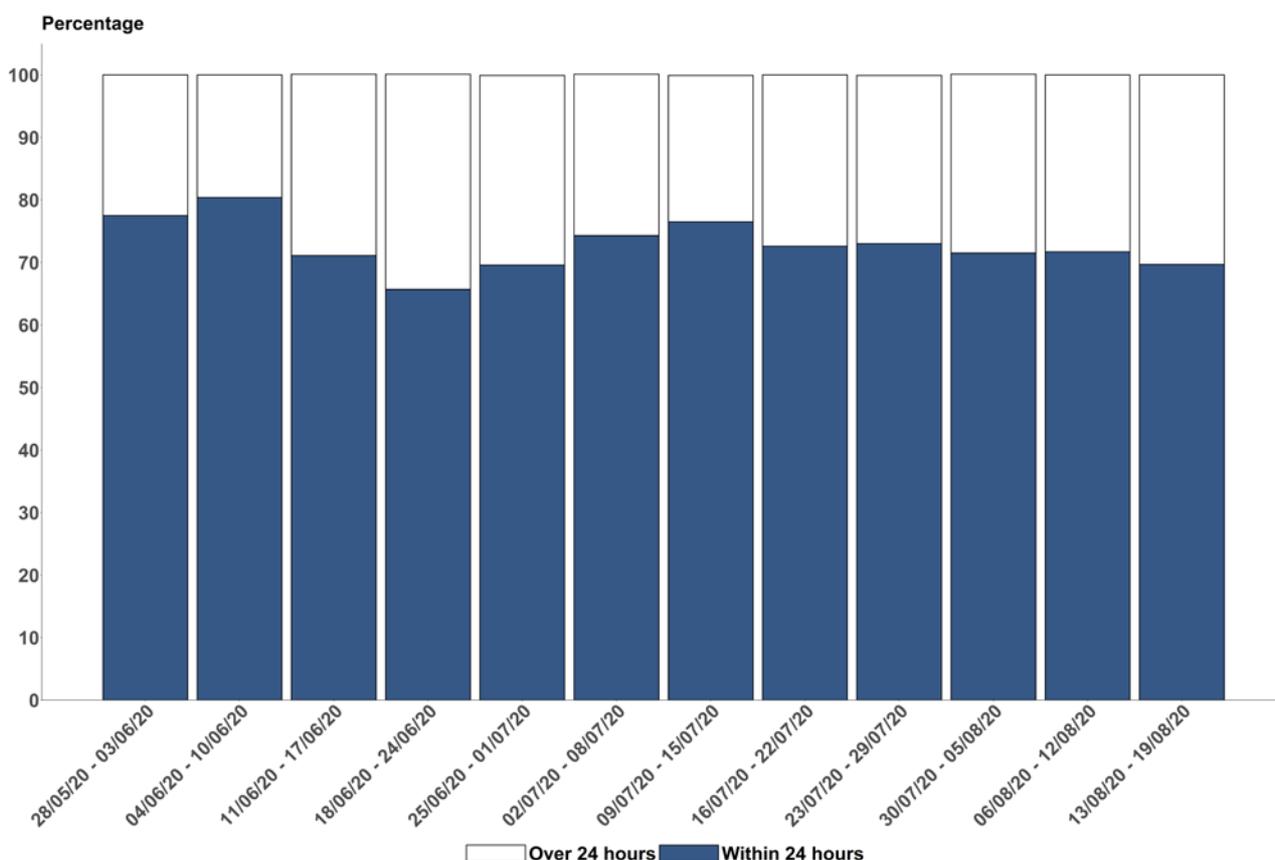


The data for the most recent weeks can be found in the Annex, [Table 5](#).

For non-complex cases, most people continued to be successfully reached and asked to provide details about recent close contacts within 24 hours of their case being transferred to contact tracing.

Between 13 August and 19 August, 69.7% of people (3,652) were reached within 24 hours in comparison to 71.7% in the previous week. This proportion has been declining gradually over the past 4 weeks. Since Test and Trace launched on 28 May, 72.6% of people (31,740) have been reached within 24 hours.

Figure 9: Proportion of people who were reached and asked to provide details about recent close contacts by time taken to reach them, England, this excludes complex cases



The data for the most recent weeks can be found in the Annex, [Table 6](#).

Close contacts identified by NHS Test and Trace

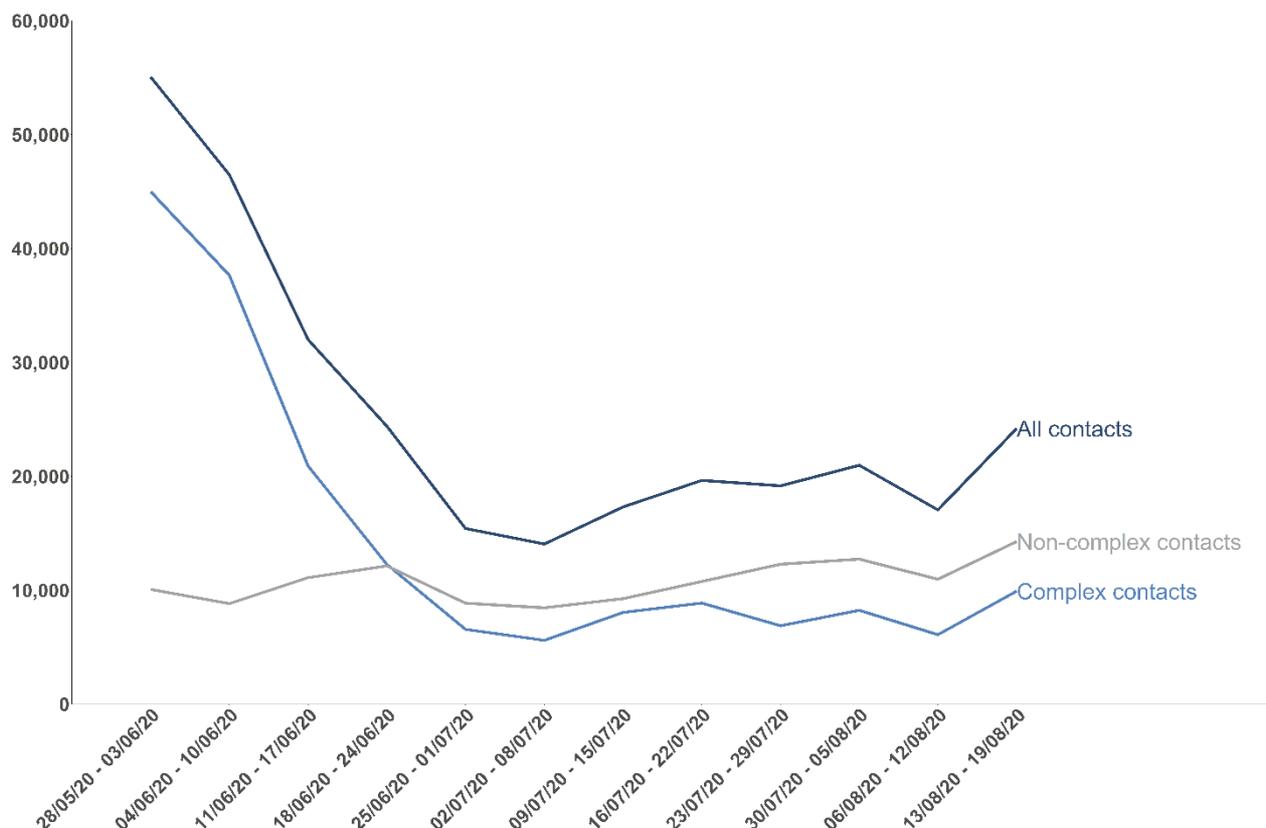
The number of recent close contacts identified in the latest week has increased by 42% since the previous week but has decreased by 56% since the start of contact tracing.

Between 13 August and 19 August, 24,197 people were identified as recent close contacts, of which 14,271 were non-complex and 9,926 were complex. This has decreased by 56% since the start of contact tracing, comprised of a 78% decrease in the number of complex close contacts identified and a 42% increase in the number of non-complex contacts.

The increase since the previous week is partially due to a temporary infrastructure issue which resulted in a delay between some people testing positive and being transferred to NHS Test and Trace. Consequently, some people who tested positive before this weeks' reporting period were only transferred to contact tracing and had their contacts identified in the latest week (13 August – 19 August).

As non-complex cases have a higher proportion of contacts who are unable to be reached, this has contributed to the reduction in the overall percentage of contacts who were reached and asked to self-isolate since Test and Trace launched, from 91.1% to 75.5% in the latest week.

Figure 10: Number of people identified as recent close contacts, England



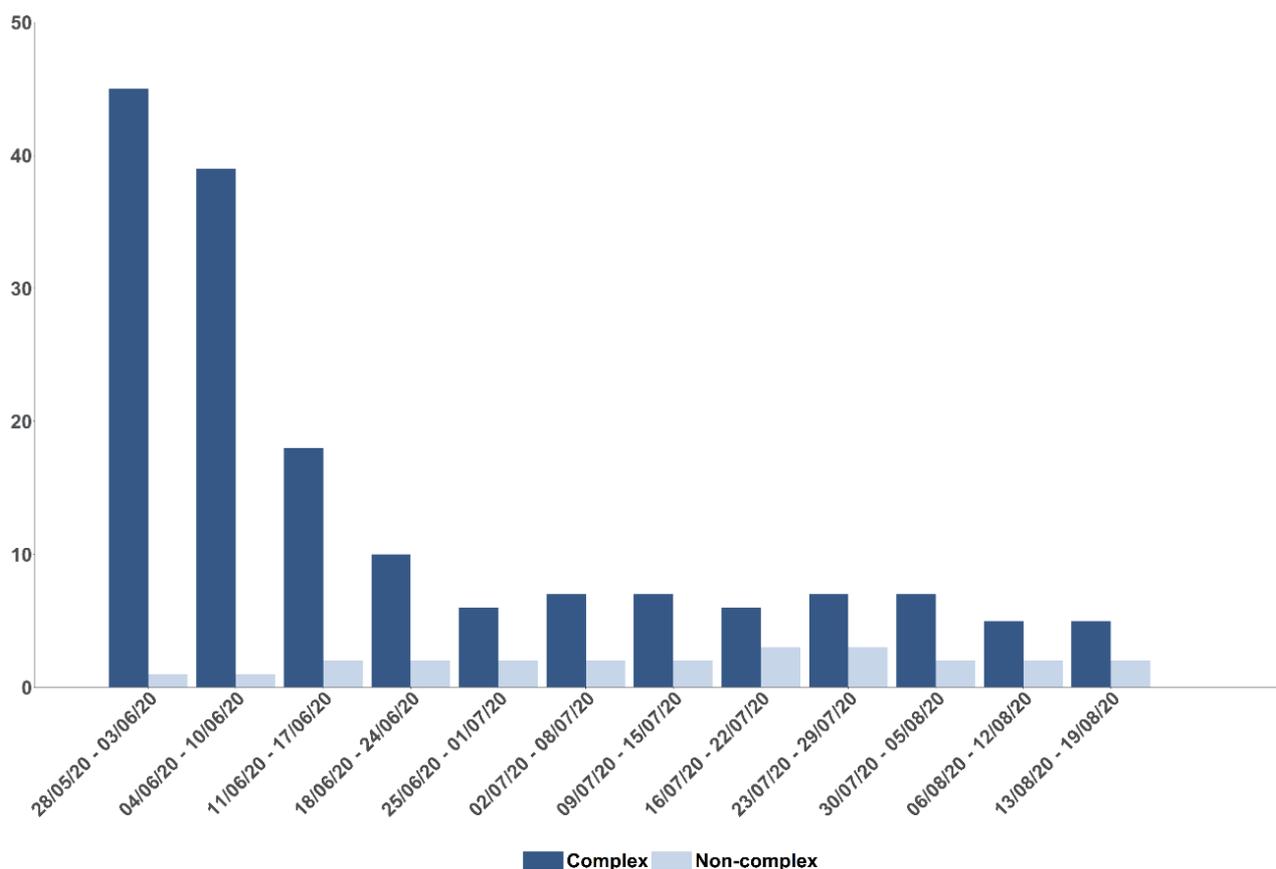
The data for the most recent weeks can be found in the Annex, [Table 7](#).

Median number of contacts recorded per case has decreased rapidly for complex contacts but remained similar for non-complex contacts.

For positive cases the median number of complex contacts provided per case has decreased from 45 when test and trace launched to 5 in the latest week. This is mainly due to an initial improvement in the risk assessment for who constitutes a contact in a complex setting. The number of contacts reduced after taking into account factors such as direct contact and the use of PPE, instead of recording all in each complex setting.

This is in comparison to non-complex contacts where the median has remained between 1 and 3 across the 12-week period.

Figure 11: Median number of contacts recorded per case



The data for the median number of contacts can be found in the Annex, [Table 8](#).

The percentage of non-complex contacts who were reached and asked to self-isolate has increased from 52.5% to 61.6% since the start of Test and Trace.

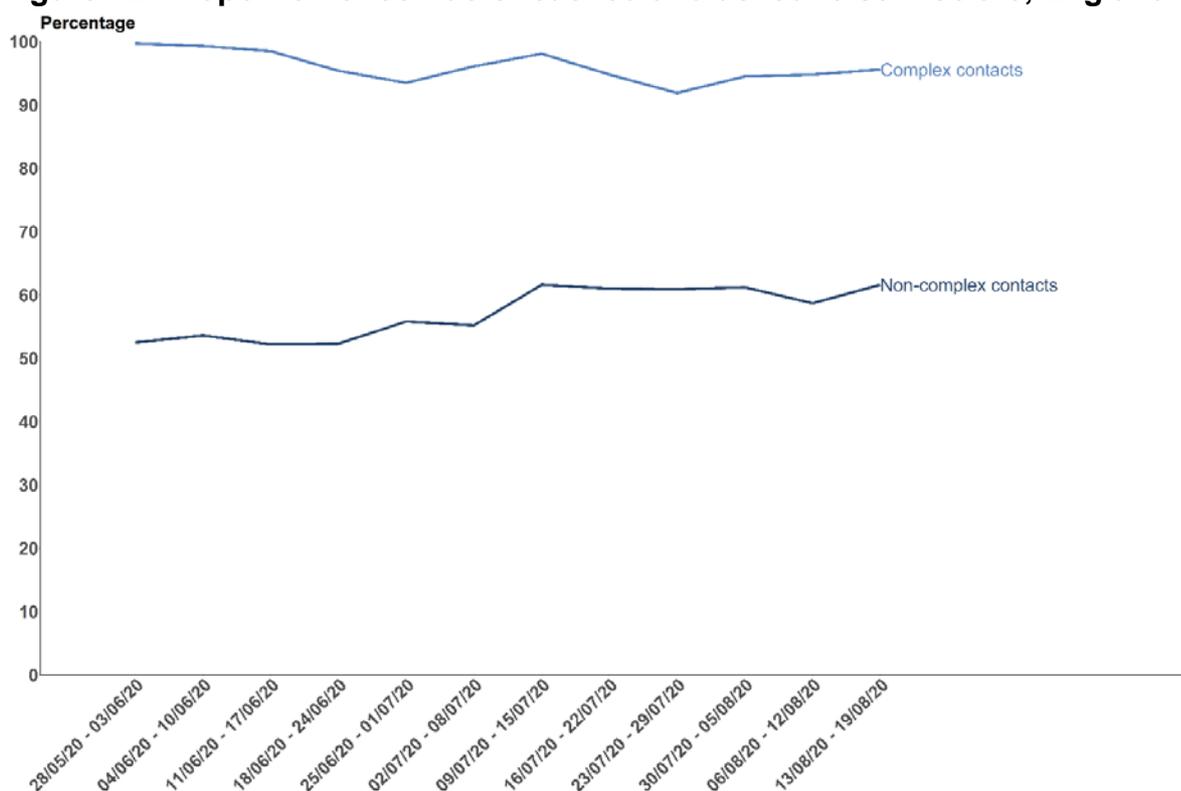
Between 13 August and 19 August, 14,271 non-complex close contacts were identified of which 8,786 (61.6%) were reached and asked to self-isolate. This percentage has seen an increase since the start of contact tracing and has increased slightly from 58.7% in the previous week.

In the latest week, 2,964 (20.8%) people were not reached and 2,521 (17.7%) people had no communication details. For more information on the different outcomes of contact tracing see the [terminology](#) section.

Almost all complex contacts continue to be reached and asked to self-isolate.

Between 13 August and 19 August, 9,926 complex close contacts were identified of which 9,488 (95.6%) were reached and asked to self-isolate and 438 (4.4%) were not reached. The proportion of complex close contacts successfully reached has remained similar to the previous week where 94.8% were reached. Since Test and Trace launched 97.6% of all complex contacts have been successfully reached.

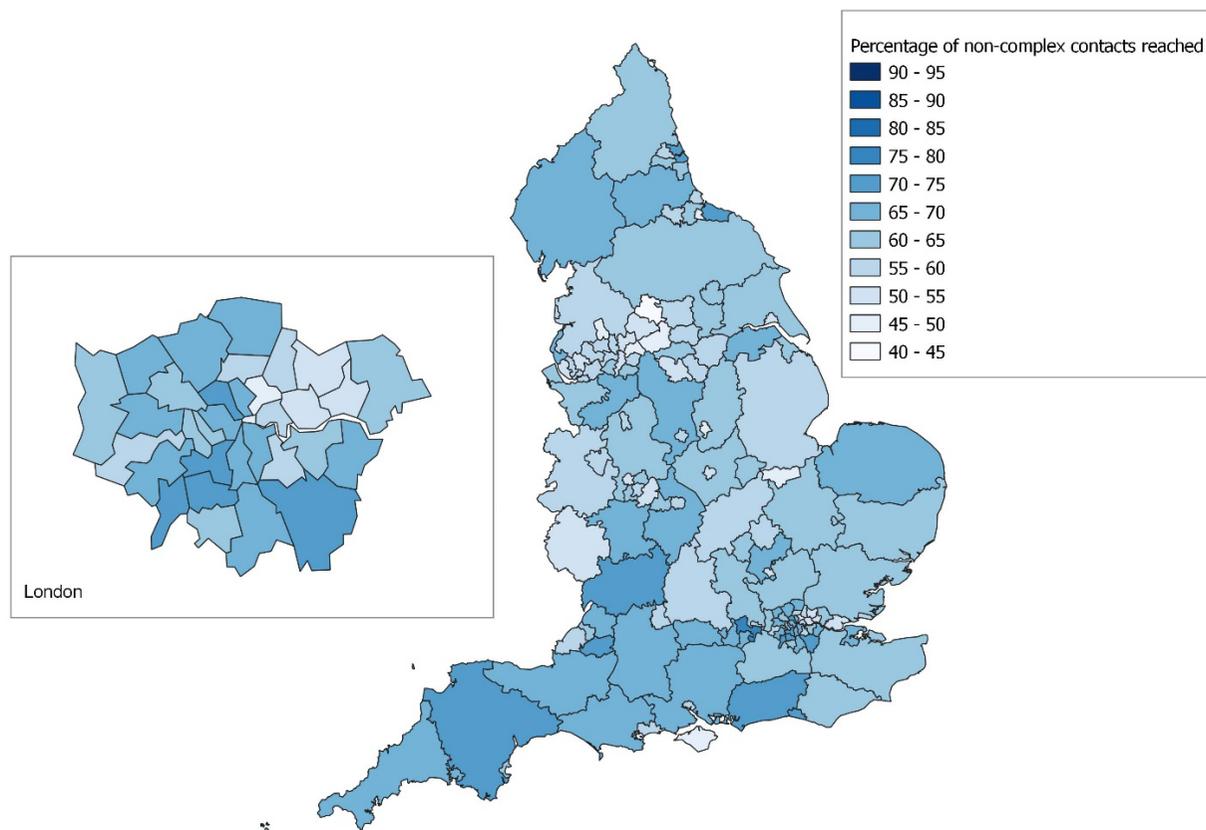
Figure 12: Proportion of contacts reached and asked to self-isolate, England



The data for the most recent weeks can be found in the Annex, [Table 6](#).

Proportion of non-complex close contacts identified who were reached and asked to self-isolate by upper tier local authority

Figure 13: Percentage of non-complex contacts reached and asked to provide details of recent close contacts by UTLA since Test and Trace began.



This data is available to download as a csv on the weekly publication collection page.⁸

⁸ The regional data uses a different data cut to the main publication therefore cumulative totals will not exactly match.

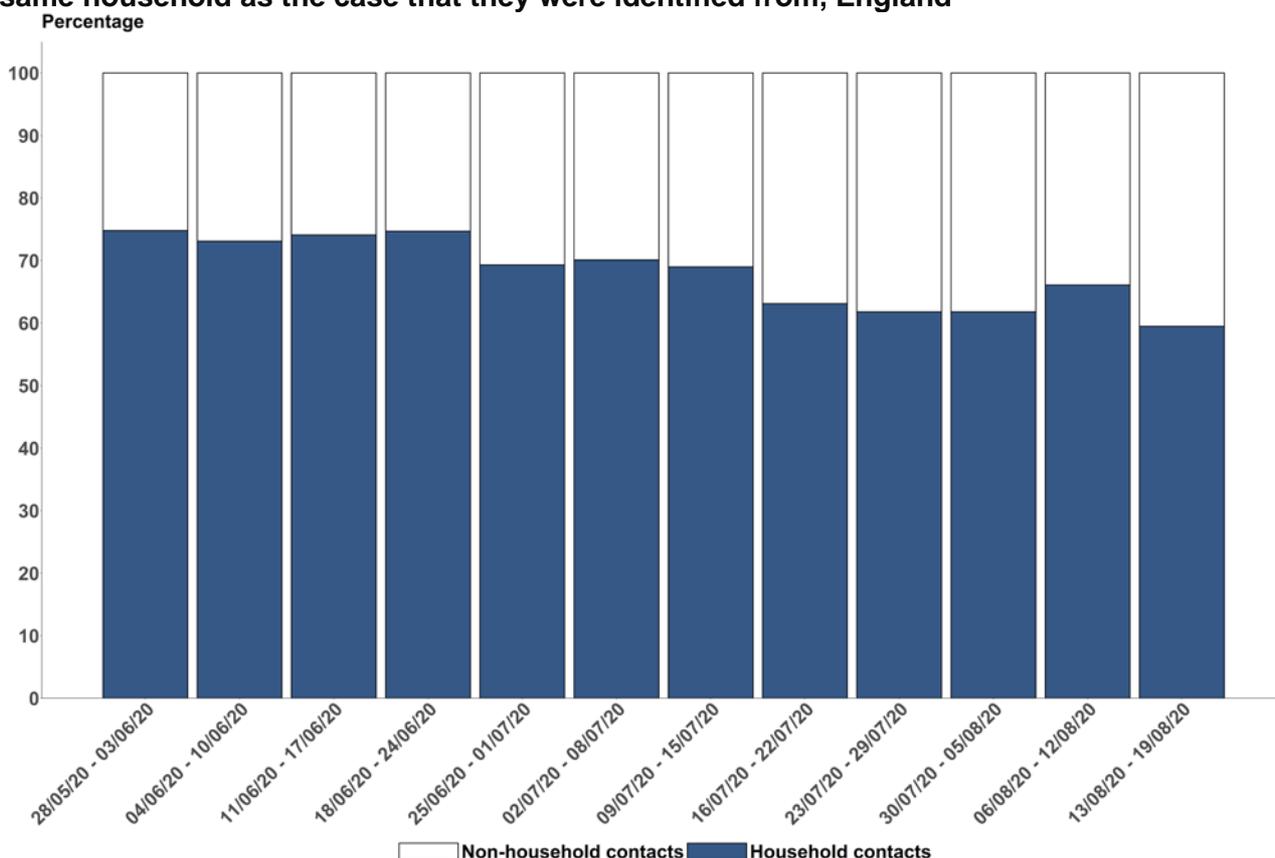
In the most recent week around 3 out of 5 non-complex contacts were from the same household as the case they were identified from.

The proportion of non-complex close contacts from the same household as the case they were identified from has been steadily declining since Test and Trace launched. Between 13 August and 19 August, 59.5% of non-complex contacts were household contacts.

In the same period, 58.9% of these household contacts were successfully reached and asked to self-isolate. This is in comparison to 65.6% for non-complex contacts who were from a different household to the case from which they were identified.

It is likely that cases often advise their household members to self-isolate in advance of these contacts being directly contacted by contact tracers. This results in these contacts not being recorded as reached and asked to self-isolate, which may be a contributing factor to a lower proportion of household contacts being reached in comparison to non-household contacts.

Figure 14: Proportion of recent close non-complex contacts by whether they were from the same household as the case that they were identified from, England



The data for the most recent weeks can be found in the Annex, [Table 9](#).

For non-complex contacts who were advised to self-isolate, more than 4 out of 5 of them were reached within 24 hours of being identified⁹.

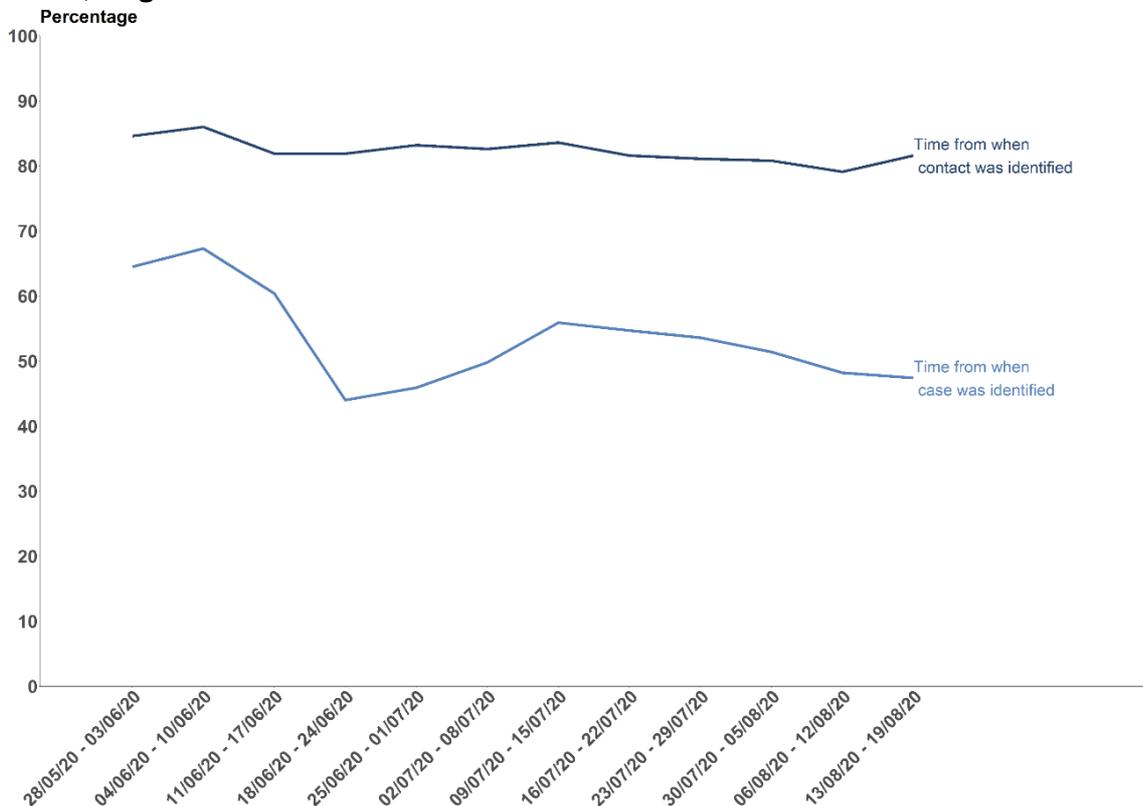
Between 13 August and 19 August, 81.6% of non-complex contacts that were advised to self-isolate were reached within 24 hours of being identified. This has fallen slightly over the past 5 weeks, since 9 July. Since Test and Trace launched 82.1% of all non-complex contacts were reached and advised to self-isolate within 24 hours.

For non-complex contacts who were advised to self-isolate, 47.4% were reached within 24 hours of the case that reported them being transferred to the contact tracing system.

Between 13 August and 19 August, 4,069 (47.4%) non-complex contacts were reached and advised to self-isolate within 24 hours of the case that reported them being transferred to the contact tracing system. This has also decreased slightly over the past 5 weeks.

This measure gives a sense of the end-to-end journey time through the test and trace system from when an individual testing positive was reported to test and trace, to when their close contacts were reached and advised to self-isolate.

Figure 15: Proportion of recent close contacts who were advised to self-isolate within 24 hours, England



The data for the most recent weeks can be found in the Annex, [Table 10 and 11](#).

⁹ Timing data does not include non-complex contacts which were subsequently escalated to complex.

2. Coronavirus (COVID - 19) testing in the UK

Statistics on Coronavirus testing in the UK, across all four testing pillars are also included in this release. This includes details on laboratory testing capacity (lab capacity), number of tests sent out and number of tests processed since the start of testing in the UK.

Definitions of the testing pillars can be found in the [terminology](#) section. Information about the government's testing strategy testing can be found in [Coronavirus \(COVID-19\): scaling up testing programmes](#).

A historic timeseries of weekly lab capacity, tests sent out and tests processed is available on the collection page for this release. Daily figures for tests processed and lab capacity are available on the PHE dashboard

This data was previously published on [daily statistics on coronavirus cases in the UK](#). DHSC are consolidating where COVID-19 testing statistics are published to make it easier to find the latest data. This daily page will no longer be updated after Thursday 20 August, however historic UK testing statistics and the accompanying [COVID-19 testing data methodology note](#) are still available. Statistics on tests and testing capacity will be published weekly in the NHS Test and Trace publication and will also be available on the [Coronavirus in the UK dashboard](#). Statistics on positive cases will continue to be published daily on the dashboard and weekly in the NHS Test and Trace publication.

Testing capacity in the UK, pillars 1 – 4

Coronavirus tests are processed in several separate labs. Projected lab capacity is an estimate of each lab's constrained capacity each day based on the staff, chemical reagents and other resources it has available. These estimates are made locally by the labs themselves. Further information on the methods for determining capacity is available in the [COVID-19 testing data methodology note](#).

Testing capacity between 13 August to 19 August was 2,289,657 tests, a decrease of 3% from the previous week.

Table 3: Weekly lab testing capacity, Pillars 1-4, UK¹⁰

	06 August - 12 August: Lab Capacity	13 August - 19 August: Lab Capacity
Pillar 1	579,418	570,957
Pillar 2	880,000	866,000
Pillar 3	840,000	840,000
Pillar 4	63,700	12,700
UK Total	2,363,118	2,289,657

Number of tests sent out in the UK, pillar 2 and pillar 4

Tests can be administered in different ways – tests taken at a hospital, mobile testing unit, regional testing sites or tests sent out to individuals at home or satellite locations. Tests sent out are only available as part of pillar 2 (antigen testing) and pillar 4 (antigen and antibody testing). Not all tests sent out will be returned.

It is not currently possible to compare the total number of tests sent out with the total number of tests processed in pillar 2 and pillar 4, as given in Table 7. This is because tests sent out includes only tests sent to individuals at home or to satellite testing locations, while tests processed includes all tests that have remained within the control of the programme (and were counted at the time at which processed in labs) and those that have been sent out and subsequently returned to be processed in a lab. Further information is available in the [COVID-19 testing data methodology note](#).

829,987 tests were sent out across the UK within pillars 2 and 4 between 13 August and 19 August. This has decreased by 5% since the previous week.

Table 4: Number of tests sent out, pillars 2 and 4, UK

	06 August - 12 August: Number of tests	13 August - 19 August: Number of tests	Total since data collection began: Number of tests
Pillar 2	867,040	816,728	7,627,383
Pillar 4	7,114	13,259	1,040,379
UK Total	874,154	829,987	8,667,762

¹⁰ Pillar 3 figures are for England only.

Number of tests processed in the UK, pillars 1 – 4

The number of tests processed counts all tests that have remained within the control of the programme (and were counted at the time at which processed in labs) and those that have been sent out and subsequently returned to be processed in a laboratory. They are counted at the time at which they were processed. This measure shows how many tests have been processed, including both antigen testing (pillar 1, pillar 2 and partial pillar 4) and antibody testing (pillars 3 and 4). Further details are available in the [COVID-19 testing data methodology note](#).

For pillars 1 and 2, the number of tests processed in a laboratory is different to the number of test results received which is reported as part of the Test and Trace testing turnaround times for England. This is because they are reporting on the number of tests at different stages in the process as well as reporting different geographies (UK and England) and because some tests are excluded from the turnaround time counts.

Between 13 August and 19 August, 1,197,705 tests were processed in total across pillars 1 – 4, a decrease of 1% since the previous week.

Table 5: Number of tests processed, pillars 1-4, UK¹⁰

	06 August- 12 August: Number of tests	13 August - 19 August: Number of tests	Total since data collection began: Number of tests
Pillar 1	367,389	365,574	5,306,149
Pillar 2	687,416	760,604	6,966,008
Pillar 3	32,233	32,097	1,482,697
Pillar 4	117,080	39,430	1,233,280
UK Total	1,204,118	1,197,705	14,988,134

Terminology

Testing

- **Pillar 1 testing:** swab (antigen) testing in Public Health England (PHE) labs, NHS hospitals for those with a clinical need, and health and care workers.
- **Pillar 2 testing:** swab (antigen) testing for the wider population, through commercial partnerships¹¹, carried out through several different routes:
 - **Regional Test Sites**, which includes drive-through testing centres with limited walk-up facilities. This also includes Local Test Sites, which are similar to regional test sites but specifically for walk ups.
 - **Mobile Testing Units**, which travel around the UK to increase access to COVID-19 testing. They respond to need, travelling to test people at specific sites including care homes, police stations and prisons.
 - **Satellite Test Centres**, which includes test kits provided directly to ‘satellite’ centres at places like hospitals or care homes that have a particularly urgent or significant need.
 - **Home Test Kits**, which are delivered to someone’s door so they can test themselves and their family without leaving the house.
- **Pillar 3 testing:** serology testing to show if people have antibodies from having had coronavirus.
- **Pillar 4 testing:** blood and swab testing for national surveillance support by PHE, ONS and research, academic and scientific partners to learn more about the prevalence and spread of the virus and for other testing research purposes.
- **People tested:** refers to people who have newly been tested for COVID-19 and does not re-count people who have been tested more than once in either pillar 1 or pillar 2.
- **People testing positive:** refers only to people who have newly tested positive for COVID-19 and does not include people who have had more than one positive test.

For pillar 2, there are two measures of the time taken to receive a coronavirus (COVID-19) test result:

- **The time taken to receive a COVID-19 test result from time of booking** is measured from the time that a person books an appointment on the website to the time when the person receives a notification of their test result via an email or an SMS. This data is only available for Regional Test Sites and Mobile Testing Units, as test booking and registration processes for Home Testing and Satellite Test Centres are currently undertaken on different systems.

¹¹ See more detail in [Scaling up our testing programmes](#)

- **The time taken to receive a COVID-19 test result from time of test** is measured from the time a person completes a test registration (or the time a person indicates their test was taken for Home Testing kits) until the time that they receive a notification of the result of their test via an email or an SMS.

Tracing

NHS Test and Trace has two ways of handling cases depending on their complexity:

- **Complex cases and contacts** - PHE Local Health Protection Teams manage cases linked to outbreaks, examples include someone who works or has recently visited:
 - a health or care setting, such as a hospital or care home
 - a prison or other secure setting
 - a school for people with special needs
 - critical national infrastructure or areas vital for national security
- **Non-complex cases and contacts** - Wider online and other call centre capacity for less complex cases.

When a case is transferred to NHS Test and Trace contact tracers will attempt to contact the individual which results in one of the following three outcomes:

- **Reached and provided information about recent close contacts** – contact tracers successfully reached the individual and asked them to provide details for recent close contacts
- **No communication details provided** - people who had no communication details provided are those who were transferred to NHS Test and Trace but did not have any associated contact details (e.g. phone number or email address).
- **Not reached** - The number of people who were not reached includes those people who the service has been unable to reach because there has been no response to text, email and call reminders. It also includes people who were reached but declined to give details of close contacts. There may also be a small number of people who have not been reached but where contact tracers are still in the process of trying to make contact.

Measuring the data

How the data were collected

UK level testing data is collated centrally by DHSC from multiple sources across the different nations and pillars. Further details can be found in the [COVID-19 testing data methodology note](#).

Testing data for pillars 1 and 2 for England are provided by PHE, NHS and commercial partners. Contact tracing data are collected from management information from the NHS Test and Trace service. Details about the data sources used can be found in the [NHS Test and Trace statistics methodology](#) document.

Future development

We have integrated these data with those from other parts of NHS Test and Trace, particularly testing, to provide an end-to-end view of the service that follows the user journey. So far, UK level testing data, testing data for pillars 1 and 2 in England and their turnaround times have been added. Further breakdowns for contact tracing continue to be incorporated, including complex and non-complex breakdowns, geographical breakdowns and household information.

To support user needs and data transparency, additional releases have been published alongside the weekly Test and Trace publication including care home statistics up to 8 July, people tested for coronavirus (COVID-19) between 30 January and 27 May and weekly UK testing statistics since the start of testing. NHS Test and Trace continues to provide information for local authorities and their partners so that they have the information they need to help contain any outbreaks.

In time, NHS Test and Trace intends to publish detailed data from across the program to support secondary analysis, for example in academic institutions. Over the coming months, we intend to make the following available:

Expected from August 2020	Expected from September 2020
<ul style="list-style-type: none">Characteristics for those tested under pillars 1 and 2	<ul style="list-style-type: none">Details of close contacts who go on to test positiveHigh Level UK test and trace figures

The UK Statistical Authority has published a [rapid review](#) of the Test and Trace statistics. This includes recommendations on how the publication should develop in order to adhere fully to the Code of Practice. These recommendations continue to influence the development of the publication in the coming weeks and months.

Strengths and limitations

Given the importance of this service and the commitment of NHS Test and Trace to be open and transparent with the public it serves, these data are being released at the earliest possible opportunity. However, new IT systems and statistical outputs often take a period of time to bed in. These data should therefore be treated with caution as the system and understanding of the data develops.

Quality

These statistics have been put together by NHS Test and Trace and DHSC with advice from the Office for National Statistics.

Revisions to figures previous published

Figures for people tested and people testing positive for coronavirus (COVID-19) in previous releases have been revised. These revisions are because:

- There are sometimes delays in laboratories submitting data to PHE.
- Quality checks are conducted on the data to refine figures over time.

Figures for pillar 2 testing turnaround times in previous releases have been revised. These revisions are because:

- There has been a change in methodology for how the location of home tests and satellite tests is assigned. The new methodology uses the individuals home address instead of the address of the laboratory. This has resulted in an increase in the number of tests in England as a large number of tests from England were being processed in laboratories outside of England.
- The figures presented are based on a data-cut several days after the end of the reporting period. Some tests may continue to be being processed after this period and therefore data may need to be revised over time.

Figures for contact tracing in previous releases have been revised. These revisions are because:

- The figures presented are based on a data cut several days after the end of the reporting period, to give time for cases reported towards the end of the 7-day period to have an outcome. Some cases may continue to be in progress after this period, and therefore data may need to be revised over time.
- Typically, one week after initial publication the number of cases reached and consequently the number of contacts identified is expected to increase. Similarly, the number of cases and contacts reached within 72 hours is likely to increase.

Cumulative figures for coronavirus (COVID-19) testing in the UK have been revised. These revisions are because:

- For tests processed and tests sent out, weekly totals reflect the sum of actual daily counts reported for the previous week. Each week there may be corrections to previously reported figures, for example, where labs (or studies under pillar 4) returned the results late or duplicates were identified and removed. These corrections are reflected in the cumulative figures. This means that previously published weekly counts will not necessarily sum to the latest cumulative figure. It

also means that the latest cumulative count may not match the previous week's cumulative count plus this week's weekly count.

- Historic data for tests sent out in pillar 2 has been revised due to more accurate data collection and reporting processes being adopted. Tests which were sent out on behalf of another channel were identified and consequently more tests have been sent to NHS Trusts and care homes than originally reported.

More information on quality and how this publication adheres to the Code of Practice for statistics is available in the [Statement of Compliance](#).

Feedback

For questions about the release please refer to the [Information for Users document](#) initially. For feedback and any further questions, please contact statistics@dhsc.gov.uk.

Annex A: Tables

Annex Table 1: People newly tested for COVID-19 under pillars 1 and 2, England.

	06 August – 12 August: Number of people (Percentage)	13 August – 19 August: Number of people (Percentage)	Since Test and Trace launched. 28 May – 19 August: Number of people (Percentage)
Pillar 1 Tested Positive	133,690 794	129,524 602	1,466,385 14,382
Pillar 2 Tested Positive	301,469 5,862	312,868 5,513	2,923,118 51,854
Total Tested Positive	435,159 6,656	442,392 6,115	4,389,503 66,236

Annex Table 2: Time taken from receipt of the test by a laboratory to the time the result is published, pillar 1, England.

	06 August – 12 August: Number of tests (Percentage)	13 August – 19 August: Number of tests (Percentage)	9 July – 19 August: Number of tests (Percentage)
Total tests conducted in pillar 1	302,606	302,788	1,712,089
Number of tests completed within 24 hours turnaround	269,315 (89.0%)	269,216 (88.9%)	1,528,438 (89.3%)
Number of tests exceeding 24 hours turnaround	33,291 (11.0%)	33,572 (11.1%)	183,651 (10.7%)

Annex Table 3: Median time from taking a test to receiving test results, pillar 2 by route, England.

	06 August - 12 August: Median time (hours)	13 August - 19 August: Median time (hours)	Total since Test and Trace launched. 28 May - 19 August: Median time (hours)
Regional Test Sites	23	27	22
Mobile Testing Units	21	25	21
Satellite Test Centres	76	65	53
Home Testing Kits	58	71	50

Annex Table 4: Total number of test results sent out in pillar 2¹², by route, England.

	06 August – 12 August: Number of tests	13 August – 19 August: Number of tests	Total since Test and Trace launched. 28 May – 19 August: Number of tests
Regional Test Sites	170,882	190,535	1,395,325
Mobile Testing Units	99,521	115,251	844,151
Satellite Test Centres	213,780	240,447	1,451,347
Home Testing Kits	114,002	118,123	1,043,853

Annex Table 5: People transferred to the contact tracing system who were reached and asked to provide details of recent close contacts, by whether they provided details for contacts or not, England. Includes both complex and non-complex cases.

	06 August – 12 August: Number of people (Percentage)	13 August – 19 August: Number of people (Percentage)	Since Test and Trace launched. 28 May – 19 August: Number of people (Percentage)
People who provided details of one or more close contacts	2,940 (77.5%)	4,378 (75.9%)	37,039 (72.8%)
People who were not able to give any recent close contacts	853 (22.5%)	1,389 (24.1%)	13,837 (27.2%)
Total	3,793	5,767	50,876

¹² Please note the number of tests sent out is not the same as the number of people tested, because people may be tested more than once.

Annex Table 6: People who were reached and asked to provide details about recent close contacts by time taken from case being transferred, England. Excludes complex cases.

	06 August – 12 August: Number of people (Percentage)	13 August – 19 August: Number of people (Percentage)	Since Test and Trace launched. 28 May – 19 August: Number of people (Percentage)
Within 24 hours	2,495 (71.7%)	3,652 (69.7%)	31,740 (72.6%)
Between 24 and 48 hours	679 (19.5%)	1,041 (19.9%)	8,214 (18.8%)
Between 48 and 72 hours	121 (3.5%)	298 (5.7%)	1,938 (4.4%)
After 72 hours	186 (5.3%)	245 (4.7%)	1,854 (4.2%)
Total	3,481	5,236	43,746

Annex Table 7: Number of people identified as recent close contacts by whether they were reached and asked to self-isolate, England. Includes both complex and non-complex contacts.

	06 August – 12 August: Number of people (Percentage)	13 August – 19 August: Number of people (Percentage)	Since Test and Trace launched. 28 May – 19 August: Number of people (Percentage)
Total number of close contacts identified	17,052	24,197	305,725
Close contacts reached and asked to self-isolate	12,209 (71.6%)	18,274 (75.5%)	246,262 (80.6%)
Close contacts not reached	4,843 (28.4%)	5,923 (24.5%)	59,463 (19.4%)
Total number of non-complex close contacts	10,960	14,271	129,706
Close contacts reached and asked to self-isolate	6,435 (58.7%)	8,786 (61.6%)	74,523 (57.5%)
Close contacts not reached	2,528 (23.1%)	2,964 (20.8%)	28,372 (21.9%)
Communication details not provided	1,997 (18.2%)	2,521 (17.7%)	26,811 (20.7%)
Total number of complex close contacts	6,092	9,926	176,019
Close contacts reached and asked to self-isolate	5,774 (94.8%)	9,488 (95.6%)	171,739 (97.6%)
Close contacts not reached	318 (5.2%)	438 (4.4%)	4,280 (2.4%)

Annex table 8: Median number of contacts provided per case, by complex and non-complex contacts, England.

	Median number of non-complex contacts provided per case	Median number of complex contacts provided per case	Median number of contacts provided per case
28/05/20 - 03/06/20	1	45	2
04/06/20 - 10/06/20	1	39	2
11/06/20 - 17/06/20	2	18	2
18/06/20 - 24/06/20	2	10	2
25/06/20 - 01/07/20	2	6	2
02/07/20 - 08/07/20	2	7	3
09/07/20 - 15/07/20	2	7	3
16/07/20 - 22/07/20	3	6	3
23/07/20 - 29/07/20	3	7	3
30/07/20 - 05/08/20	2	7	3
06/08/20 - 12/08/20	2	5	3
13/08/20 - 19/08/20	2	5	2
Total since Test and Trace launched	2	15	2

Annex Table 9: Number of recent close non-complex contacts by whether they were from the same household as the case that they were identified from, England.

	06 August – 12 August: Number of people (Percentage)	13 August – 19 August: Number of people (Percentage)	Since Test and Trace launched. 28 May – 19 August: Number of people (Percentage)
Total number non-complex household contacts	7,241	8,497	87,714
Close contacts reached and asked to self-isolate	4,069 (56.2%)	5,001 (58.9%)	47,569 (54.2%)
Close contacts not reached	3,172 (43.8%)	3,496 (41.1%)	40,145 (45.8%)
Total number non-complex not household contacts	3,719	5,774	41,992
Close contacts reached and asked to self-isolate	2,366 (63.6%)	3,785 (65.6%)	26,954 (64.2%)
Close contacts not reached	1,353 (36.4%)	1,989 (34.4%)	15,038 (35.8%)

Annex Table 10: People identified as recent close contacts who were advised to self-isolate by time taken to reach them England. This excludes complex contacts.

	06 August – 12 August: Number of people (Percentage)	13 August – 19 August: Number of people (Percentage)	Since Test and Trace launched. 28 May – 19 August: Number of people (Percentage)
Within 24 hours	5,087 (79.1%)	7,168 (81.6%)	61,135 (82.1%)
Between 24 and 48 hours	1,049 (16.3%)	1,271 (14.5%)	10,340 (13.9%)
Between 48 and 72 hours	223 (3.5%)	253 (2.9%)	2,037 (2.7%)
After 72 hours	75 (1.2%)	93 (1.1%)	939 (1.3%)
Total	6,434	8,785	74,451

Annex Table 11: Number of close contacts who were advised to self-isolate by time taken from the case that reports them being transferred to the contact tracing system England. This excludes complex contacts¹³.

	06 August – 12 August: Number of people (Percentage)	13 August – 19 August: Number of people (Percentage)	Since Test and Trace launched. 28 May – 19 August: Number of people (Percentage)
Within 24 hours	3,102 (48.2%)	4,069 (47.4%)	39,188 (53.1%)
Between 24 and 48 hours	2,021 (31.4%)	2,423 (28.3%)	21,090 (28.6%)
Between 48 and 72 hours	759 (11.8%)	1,106 (12.9%)	7,860 (10.6%)
After 72 hours	549 (8.5%)	978 (11.4%)	5,707 (7.7%)
Total	6,431	8,576	73,845

¹³ This information is only available for non-complex contacts, although there are a small number of non-complex contacts where the time that their positive case was transferred is not available.