

**Weekly statistics for NHS Test and Trace
(England) and coronavirus testing (UK):
10 September – 16 September**

Main points

Since NHS Test and Trace launched (28th May – 16th September):

- 19,278 new people tested¹ positive for Coronavirus (COVID-19) in England between 10 September and 16 September, almost three times as many people compared to the end of August. Positive cases have been rising since the start of July and are double the number recorded when Test and Trace launched.
- 587,173 people were newly tested, consistent with the previous week but an increase of 30% compared to the end of August.
- Turnaround times for pillar 2 (swab testing for the wide population) have become longer for in-person tests at Regional and Mobile Testing Sites² compared to the previous week. In the most recent week, 52.9% of in-person tests results were received the next day after the test was taken. Turnaround times for satellite/home tests have become shorter in the latest week.
- The median distance travelled to take a test between 10 September and 16 September, for all in-person routes within pillar 2 testing, was 5.2 miles. For each in-person route individually, the median distance travelled to take a test has increased compared to the previous week.
- 21,268 people were transferred to the contract tracing system between 10 September and 16 September, a notable increase of 37% compared to the previous week. The number of people transferred has been notably increasing since the beginning of August with over four times as many people being transferred in the most recent week compared to the beginning of August.
- Of those transferred to the contact tracing system between 10 September and 16 September, 77.7% were reached and asked to provide information about their contacts. This has declined from 83.9% in the previous week but an increase from 73.4% in the week Test and Trace launched.
- 77,556 people were identified as coming into close contact with someone who had tested positive between 10 September and 16 September. The number of contacts identified increased by 16% compared to the previous week and has more than doubled over the past three weeks. For those where communication details were

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

² Based on the median turnaround time for in-person tests.

available, 84.7% were reached and asked to self-isolate. Taking into account all contacts identified, 74.7% were reached. The percentage reached for both complex and non-complex contacts has stayed roughly the same since mid-July.

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

- Testing capacity across all pillars between 10 September and 16 September was at 2,531,955 tests, similar to the previous week. Testing capacity for pillar 1 and pillar 2 was at 1,663,155 tests, a 16% increase since mid-August. Testing capacity for all swab testing³ was at 1,674,255 tests, a 17% increase since mid-August.
- 1,193,000 tests were sent out across the UK within pillars 2 and 4 in the latest week, continuing the upward trend since mid-August.
- 1,687,674 tests were processed in the UK, across all pillars, in the week from 10 September to 16 September, continuing the upward trend since mid-August and a 20% increase from the previous week. 1,531,950 tests were processed within pillar 1 and pillar 2. 1,602,882 swab tests were processed which is almost three times higher than in mid-June.

Daily figures up to 22 September for swab and antibody testing capacity and test processed have been made available on the Test and Trace collection page.

³ Swab testing is testing to see if someone has COVID-19, see the terminology section for more information.

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
- Distance travelled to take a test in-person, 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 document for [NHS Test and Trace statistics](#).

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.

Note that these routine revisions to data includes the local authority level contact tracing data that is made available on the weekly collection page. As past data is revised, subtracting figures given in the previous week from figures given in the current week will not give the total number of cases for that week.

1. NHS Test and Trace

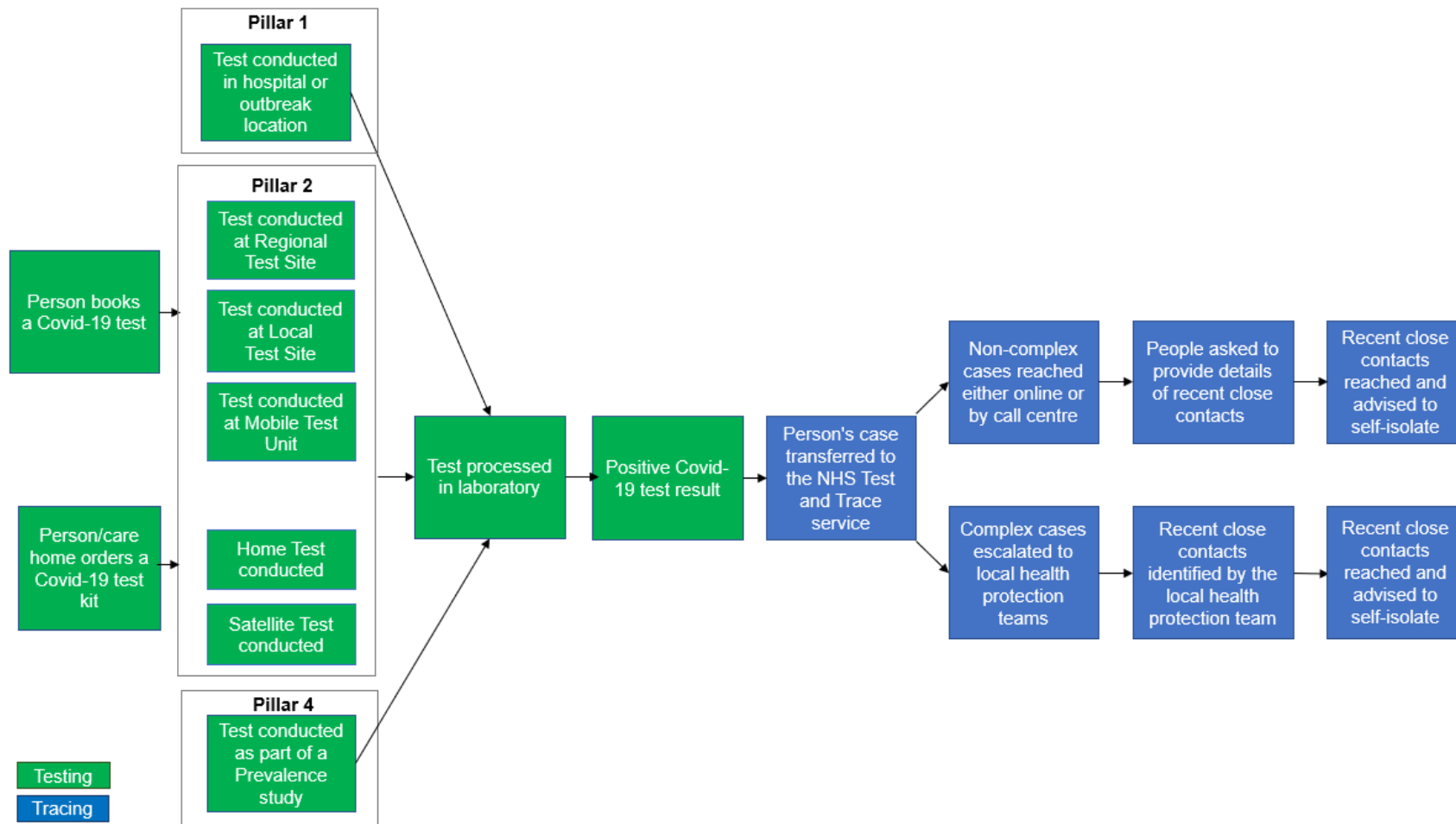
NHS Test and Trace was launched in England on 28th May and ensures that anyone who develops symptoms of coronavirus (COVID-19) can quickly be tested to find out if they have the virus. It then helps trace recent close contacts of anyone who tests positive for coronavirus and, if necessary, notifies them 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](#).

1.1 Testing in England

NHS Test and Trace starts with an individual taking a swab 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 10 September – 16 September, 587,173 people were newly tested for coronavirus (COVID-19), similar to the previous week. Since Test and Trace launched 6,475,762 people have been tested at least once¹.

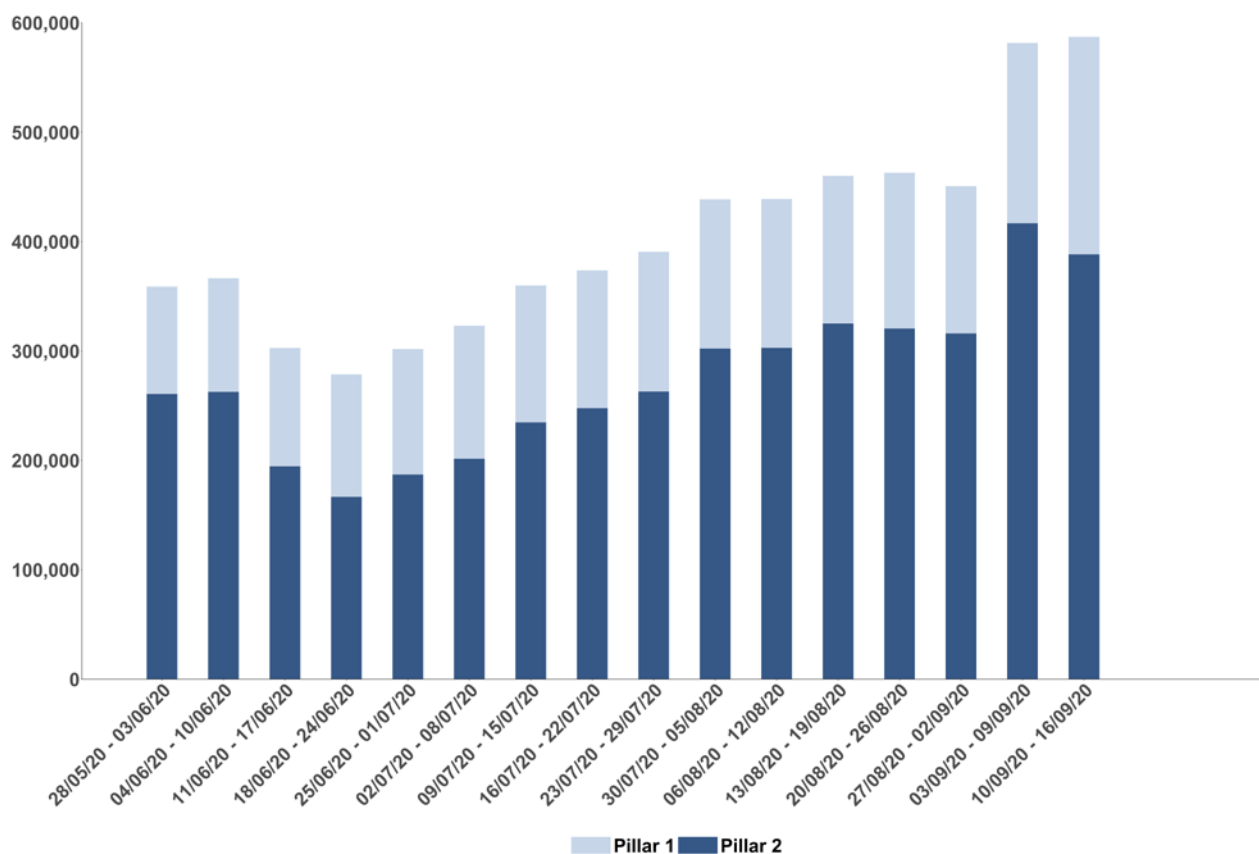
There was a small increase of 1% in the number of people newly tested compared to the previous week. This comprised of a 7% decrease in the number of people tested under pillar 2 and a 21% increase in pillar 1. The number of people tested gradually increased from mid-June to the beginning of August but then leveled off until the end of August. There were over twice as many people were tested in the most recent week compared to mid-June.

The number of people newly tested reports on the number of people who tested positive or negative for the first time in each week. It does not count people who have previously been tested. More information can be found in [NHS Test and Trace statistics methodology](#).

Since Test and Trace launched at the end of May, 6,475,762 people have been tested, of which 67.8% were tested under pillar 2 (national swab testing) and 32.2% under pillar 1 (testing in hospitals and outbreak locations).

A breakdown of the number of people newly tested by age and gender is also available in the weekly collection page.

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](#).

Between 10 September and 16 September, 19,278 new people had a positive result, continuing the upward trend in positive cases seen in recent weeks. Since the end of August there has been a substantial increase of 180% in positive cases compared to the most recent week.

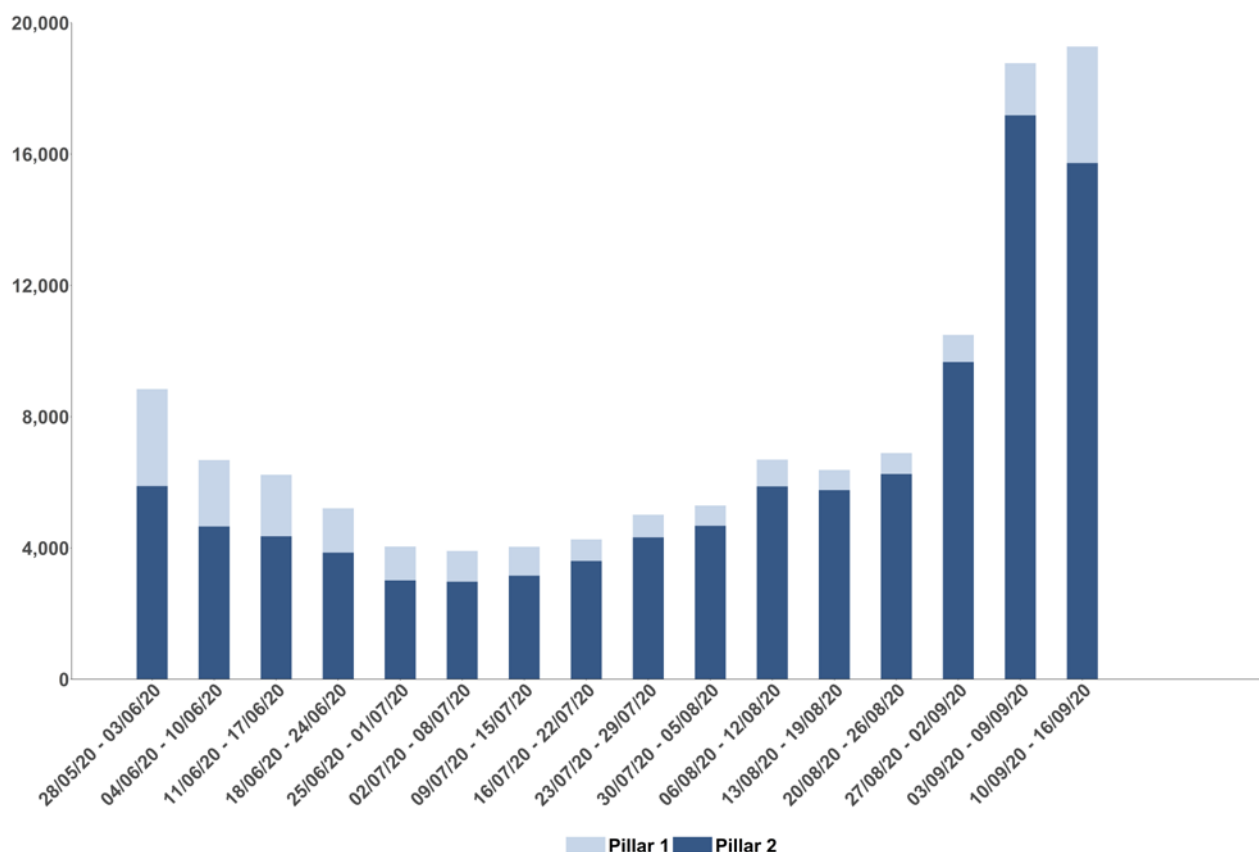
The number of positive cases between 10 September and 16 September saw an increase of 3% compared to the previous week. This slight increase continues the substantial increase in positive cases first seen between the end of August and the beginning of September, where there was an increase of 52% in positive cases.

The number of positive cases declined each week between the end of May and the start of July before starting to continuously increase up to the latest week. The number of positive cases in the most recent week is 118% higher than the 8,842 cases recorded at the end of May when Test and Trace launched.

Since Test and Trace launched, 122,006 people newly tested positive for COVID-19⁴, 82.7% of these positive cases were tested under pillar 2 in comparison to 17.3% under pillar 1⁵. Between 10 September and 16 September, the number of positive cases under pillar 1 is over four times higher compared to the end of August. The number of positive cases under pillar 2 has more than doubled over the same period.

A breakdown of the number of people newly testing positive by age and gender is also available in the weekly collection page.

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

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

⁵ 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.

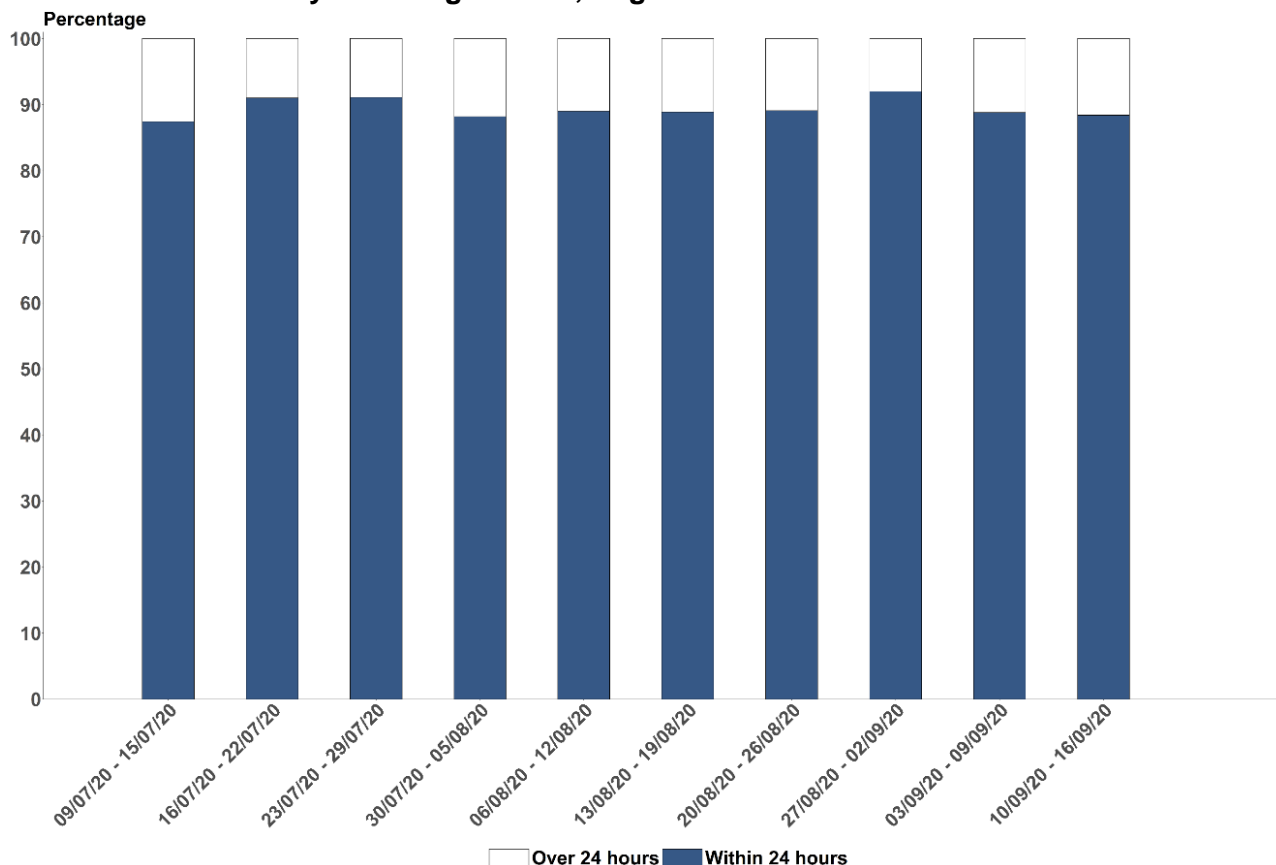
a test is received by a laboratory for processing to the time when the results are published to the Laboratory Information Management System (LIMS).

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.

Between 10 September and 16 September, 88.4% of pillar 1 test results were made available within 24 hours.

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 times⁶. These routes include:

- **Regional Test Sites**, which includes drive-through testing centres.
- **Local Test Sites**⁷, 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. Both measures are now 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

⁶ 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. It also includes some tests which are still being processed.

⁷ Previously Local Test Sites were included together with Regional Test Sites but from 17 September have been split out as a separate group

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 to receive a test result after taking a test in-person has increased overall for in-person tests in the latest week.

In the first month of Test and Trace, there was an initial reduction in the median time taken to receive a test result for in-person tests (Regional Test Sites, Local Test Sites and Mobile Testing Units). This began to gradually trend back up from the start of July until the most recent week.

Between 10 September and 16 September, the median time taken to receive a test result at Regional Test Sites increased to 30 hours from 27 hours in the previous week. Similarly, Mobile Testing Units increased to 31 hours up from 26 hours whereas Local Test Sites decreased slightly to 34 hours from 35 hours during the same period. The total number of test results processed decreased by 19% compared to the previous week.

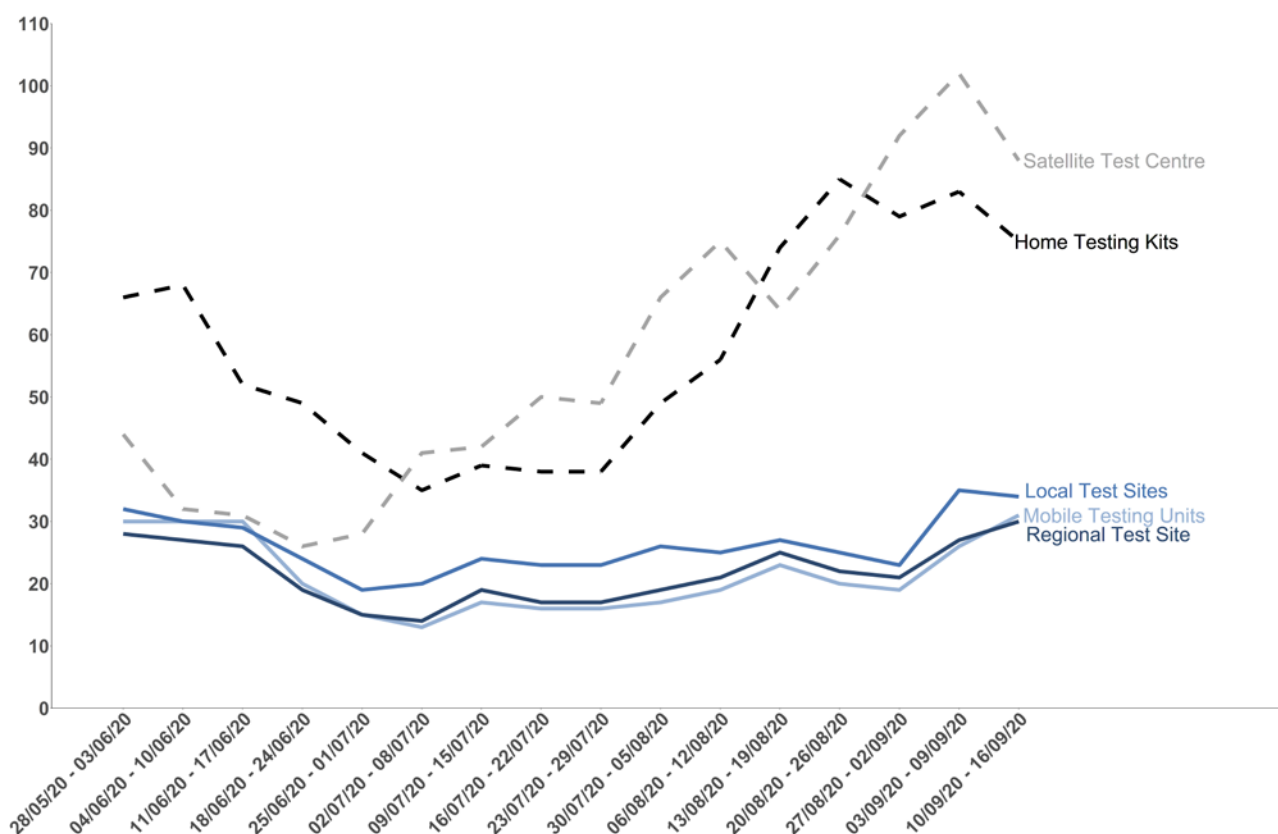
Since the start of July, the median time taken to receive a test result after taking a test has gradually increased for both Home Testing Kits/Satellite Test Centres but has decreased in the latest week.

In the first month of Test and Trace, Home testing Kits and Satellite test Centres saw an initial reduction in the median time taken to receive a test result followed by a notable increase from the end of July until the beginning of September.

However, in the latest week the median time taken to receive a test result from Satellite Test Centres has decreased from 102 hours to 88 hours compared to the previous week. The median time for Home Testing Kits has also decreased from 83 hours to 75 hours compared to the previous week.

In the most recent week, the number of test results processed for these routes is almost three times the amount sent out in the beginning of July.

Figure 5: Median time (hours) 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](#).

The percentage of test results received within 24 hours for in-person tests has continued to decrease since the beginning of August. The number received within 48 hours for Home Testing Kits and Satellite Test Centres has increased slightly compared to the previous week.

In the most recent week, for in-person tests (Local Test Sites, Mobile Testing Units and Regional Test Sites), 28.2% were received within 24 hours compared to 33.3% in the previous week. 7.2% of test results were received within 48 hours for Home Test Kits and Satellite Test Centres, compared to 5.7% in the previous week.

For all routes combined⁵, 10.4% of tests from all test sites were received within 24 hours of a test being taken compared to 14.3% in the previous week. If we consider the day the test was taken, 52.9% of in-person tests results were received the next day after the test was taken and 19.5% for all routes combined.

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

	03 September – 09 September: Number of tests	10 September – 16 September: Number of tests	Since Test and Trace launched. 28 May – 16 September: Number of tests
Regional Test Sites within 24 hours	37.9%	31.8%	62.0%
Local Test Sites within 24 hours	20.4%	19.7%	33.6%
Mobile testing Units within 24 hours	38.4%	37.0%	60.0%
Satellite Test Centres within 48 hours	4.0%	5.4%	26.0%
Home Testing Kits within 48 hours	9.3%	11.3%	35.2%

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

Pillar 2 distance travelled to take a test in-person, England

The distance travelled to take a test is calculated as the direct distance between the approximate centre of a person’s postal district and their chosen test location in straight line. This is reported as the median and associated percentiles for those who successfully booked a test at Regional Test Sites, Local Test Sites and Mobile Testing units in the latest week. More information is available in the [NHS Test and Trace statistics methodology](#).

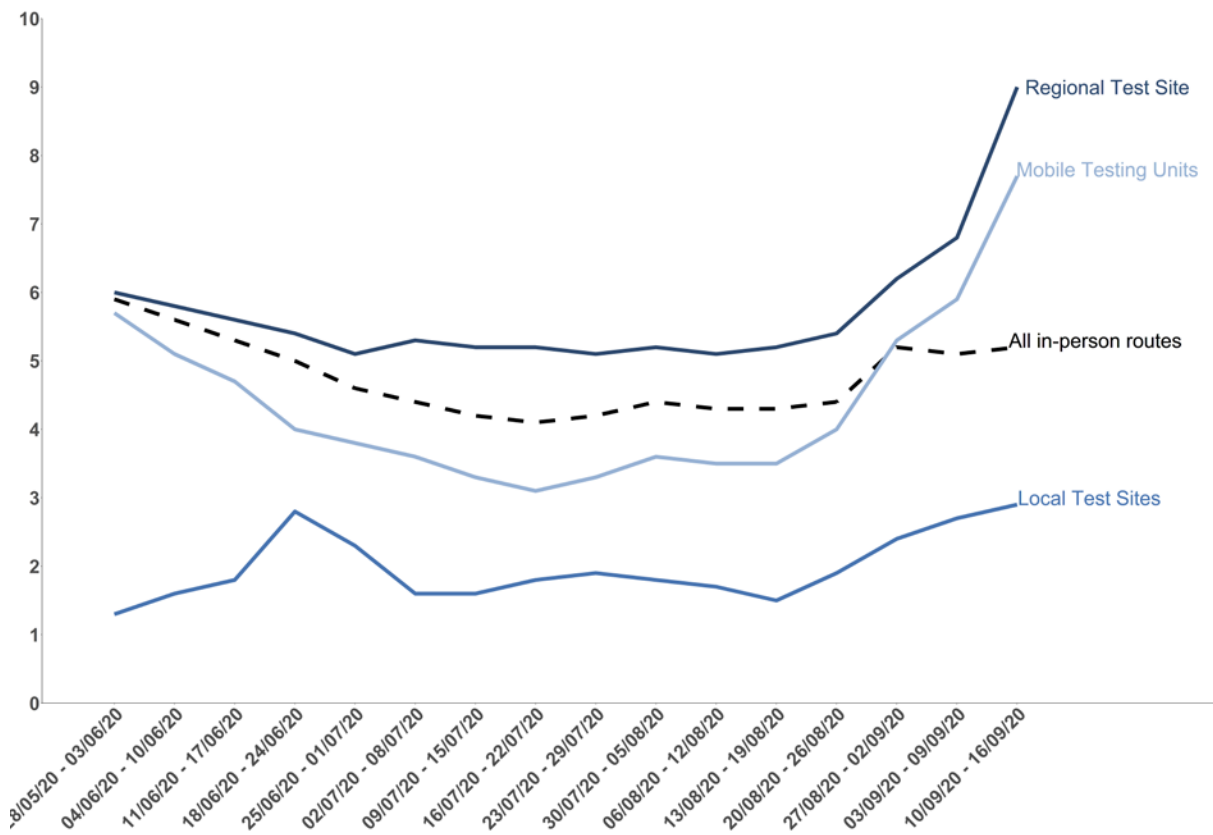
The median distance to testing sites for booked tests at in-person sites has increased overall since mid-August

Since mid-August the distance to testing sites for booked tests has been increasing across in-person routes. Between 10 September and 16 September, the median distance travelled for an in-person test remained similar to the previous week at 5.2 miles with 90% of people who booked a test travelling 23.9 miles or less.

Considering each route individually, in the latest week, the median distance to testing sites for booked tests at Regional Test Sites has increased from 6.8 miles to 9.0 miles and for Mobile Testing Units this increased from 5.9 miles to 7.7 miles. There was only a slight increase in the median distance to testing sites for booked tests at a Local Test Site, up from 2.7 miles to 2.9 miles.

The median distance travelled for a test at a Local Test Site has remained lower than the distance travelled for tests at Regional Test Sites and Mobile Testing Units since Test and Trace began. In the last week, the proportion of in-person tests taken at Local Test Sites has increased to 43% from 28% compared to the previous week. This may partially explain why the overall median has remained similar to the previous week.

Figure 6: Median distance (miles) to testing sites for tests booked at an in-person test site by route, England



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

1.2 Contact Tracing in England

Once a person has a confirmed positive test result for coronavirus⁸, 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](#).

Positive cases transferred to NHS Test and Trace

The number of people transferred to the contact tracing system increased by 37% compared to the previous week, a continuation of the sharp upward trend seen from the beginning of August.

Between 10 September and 16 September, 21,268 people were transferred to the contact tracing system. The number of people transferred has been notably increasing over the last six weeks and in the latest week the number is four times higher than the beginning of August and twice as high compared to when Test and Trace launched at the end of May.

Between 10 September and 16 September, more than 3 in every 4 people transferred to the contact tracing system were reached and asked to provide information about their contacts.

Out of the 21,268 people transferred to the contact tracing system in the latest week, 16,523 (77.7%) were reached, 4,125 (19.4%) were not reached and 620 (2.9%) had no communication details. The proportion of people reached in the latest week has decreased slightly compared with the previous two weeks but has increased compared to the first week of Test and Trace when 73.4% of people were reached.

In the latest week, 752 people, who were reached and asked to provide details of close contacts, were classified as complex cases whereas 15,771 people were classified as

⁸ 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.

non-complex. For more information on the different categories of cases and the outcomes of contact tracing see the [terminology](#) section.

Figure 7: 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

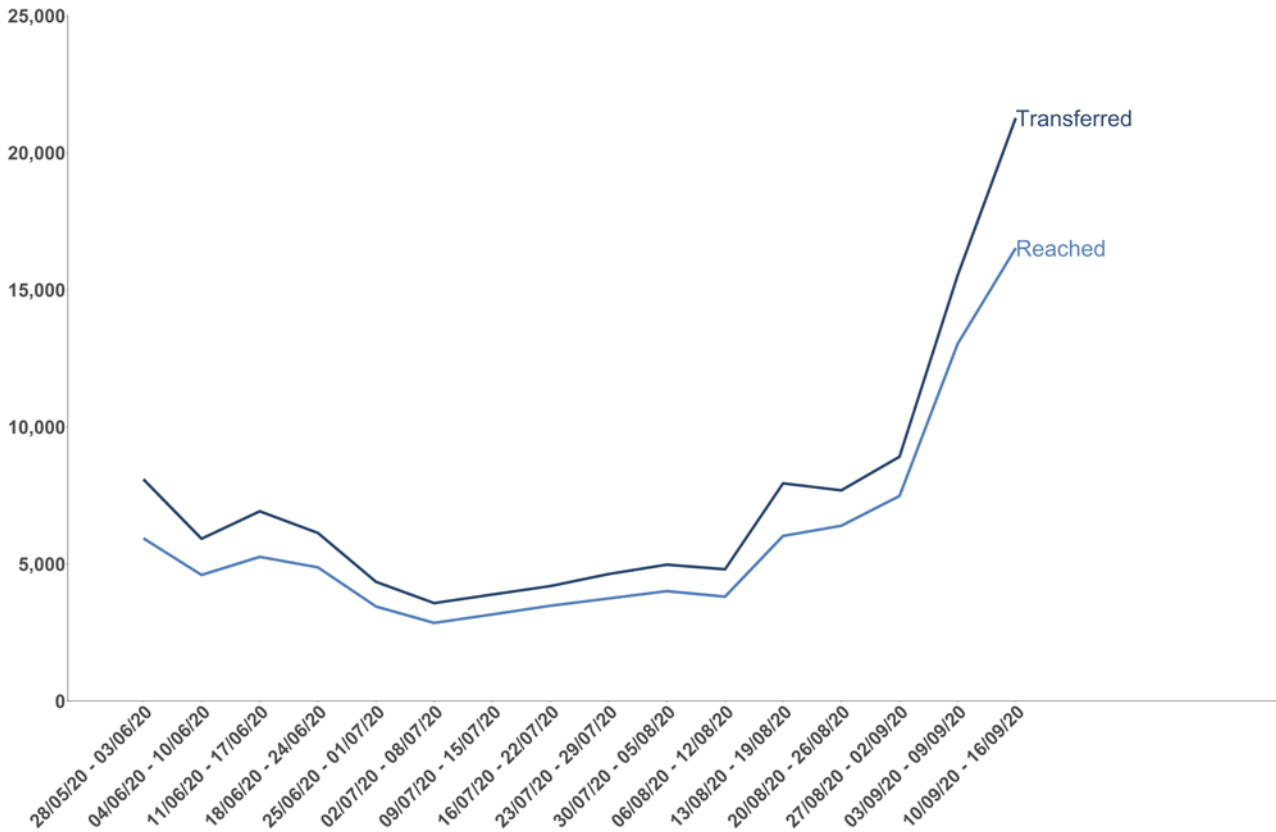


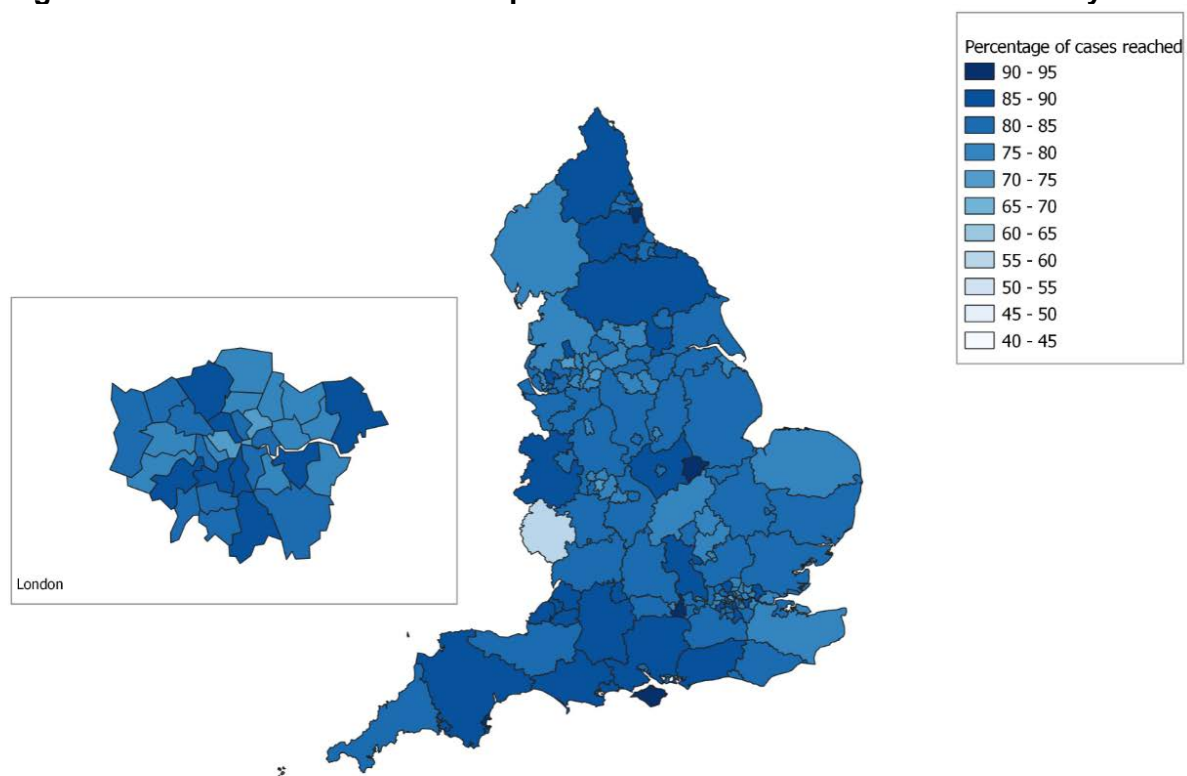
Table 2: People transferred to the contact tracing system (includes complex and non-complex cases) by whether they were reached and asked to provide contact details, England⁹.

	03 September – 09 September: Number of people (percentage)	10 September – 16 September: Number of people (percentage)	Since Test and Trace launched. 28 May – 16 September: Number of people (percentage)
People who were reached and asked to provide details of recent close contacts	13,026 (83.9%)	16,523 (77.7%)	94,585 (79.6%)
People classified as non-complex	12,353	15,771	85,170
People classified as complex	673	752	9,415
People who were not reached	2,229 (14.4%)	4,125 (19.4%)	21,455 (18.1%)
People whose communication details were not provided	271 (1.7%)	620 (2.9%)	2,743 (2.3%)
Total	15,526	21,268	118,783

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



Source: Public Health England; Office for National Statistics licensed under the Open Government Licence v.3.0
Contains OS data © Crown copyright 2020

This data is available to download as a csv on the weekly publication collection page¹⁰.

¹⁰ The regional data uses a different data cut to the main publication therefore cumulative totals will not exactly match. The data is available for the cumulative figures since Test and Trace launched up to the most recent week of reporting. Due to revisions that occur each week one week's cumulative figures cannot be subtracted from a previous week's to obtain weekly data by UTLA.

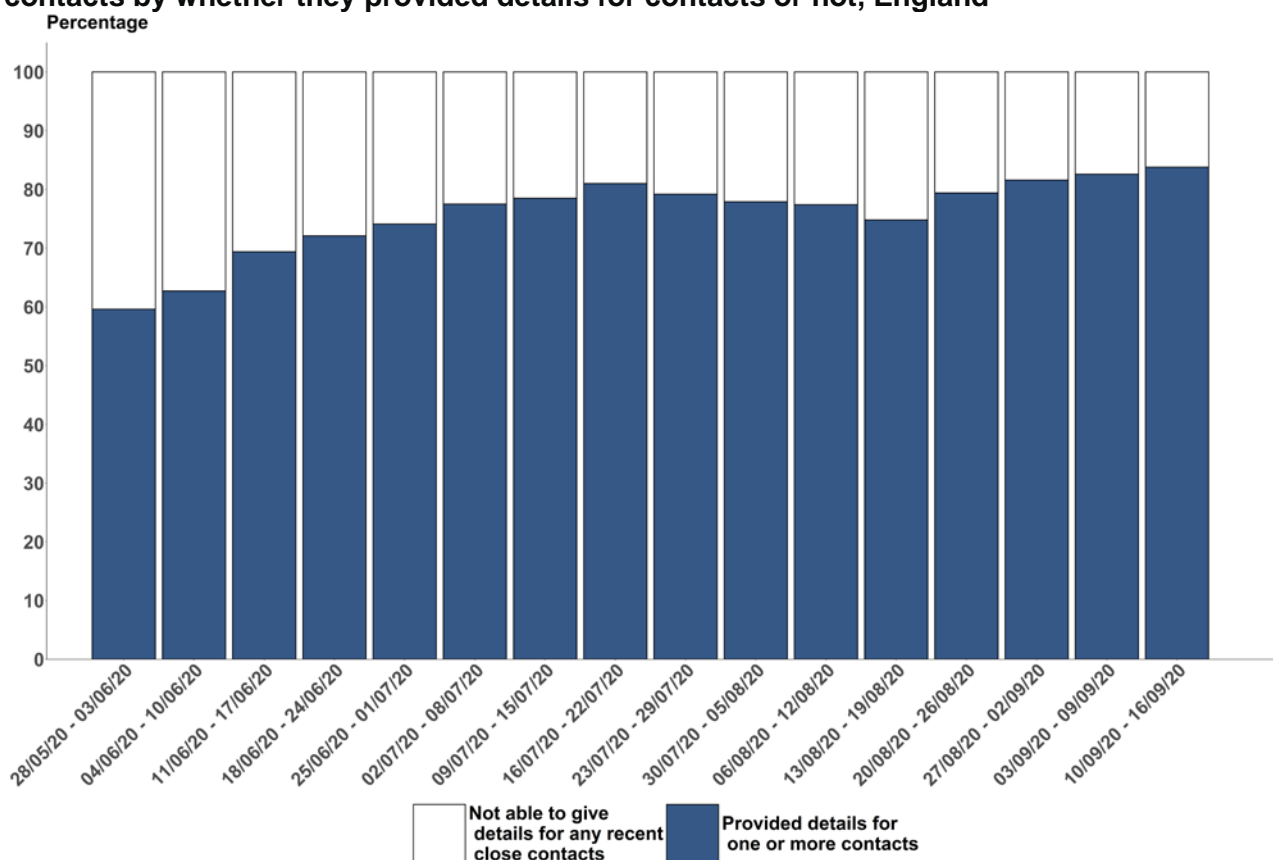
In the latest week more than 4 in every 5 people who were reached and asked to provide information about their contacts, provided one or more close contacts.

Out of the 16,523 people reached between 10 September and 16 September, 13,846 (83.8%) provided details of one or more close contacts. There has been an upward trend in the proportion of people providing one or more contact since mid-August.

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).

In the most recent week, the median number of complex contacts provided per case has increased to 11 compared to 9 in the previous week. For non-complex cases the median was 3 and this has been approximately constant since the start of Test and Trace.

Figure 9: 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

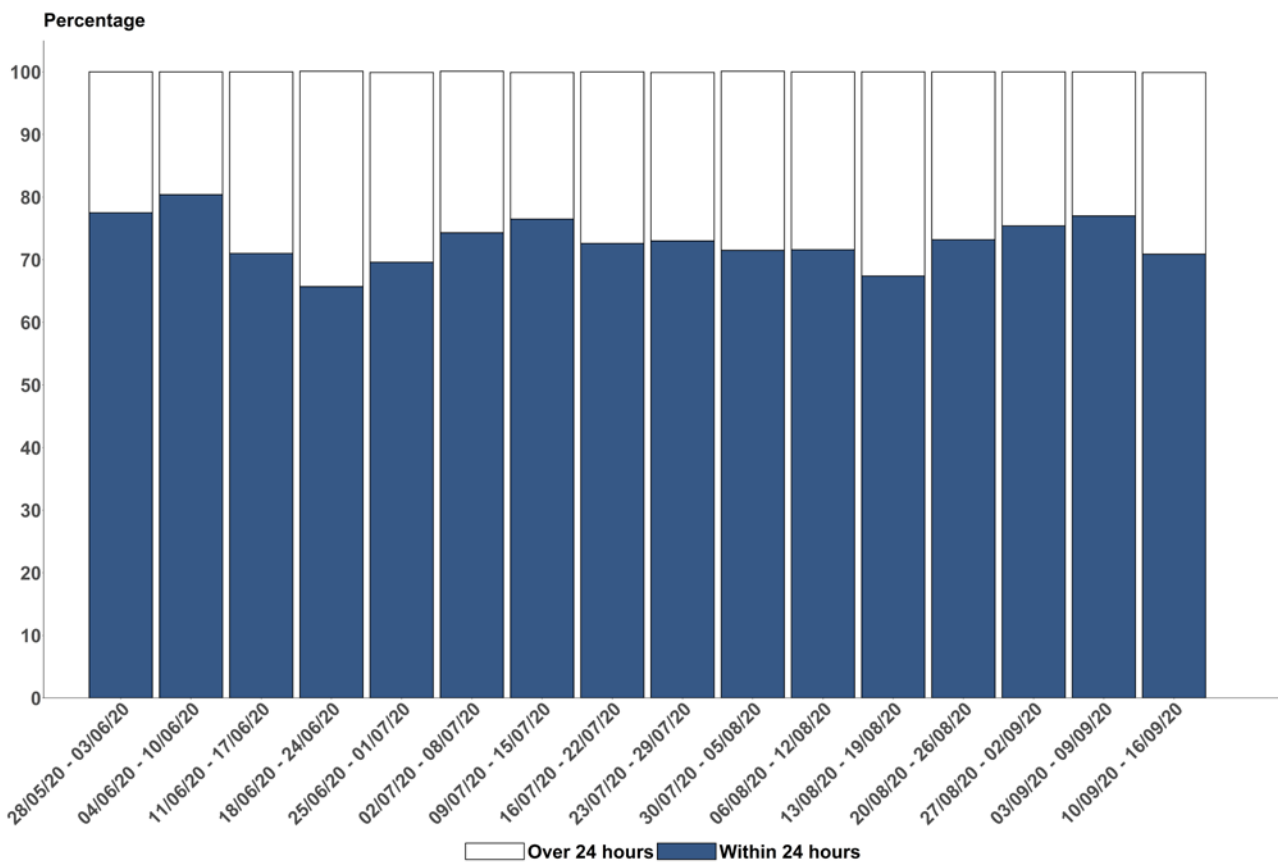


The data for the most recent weeks can be found in the Annex, [Table 6](#).

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 10 September and 16 September, 70.9% of people (11,183) were reached within 24 hours. Since Test and Trace launched on 28 May, 73.0% of people (62,189) have been reached within 24 hours.

Figure 10: 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 7](#).

Close contacts identified by NHS Test and Trace

The number of recent close contacts identified has steeply increased over the past three weeks. The number of contacts identified in the latest week is 16% higher in the most recent week compared to the previous week.

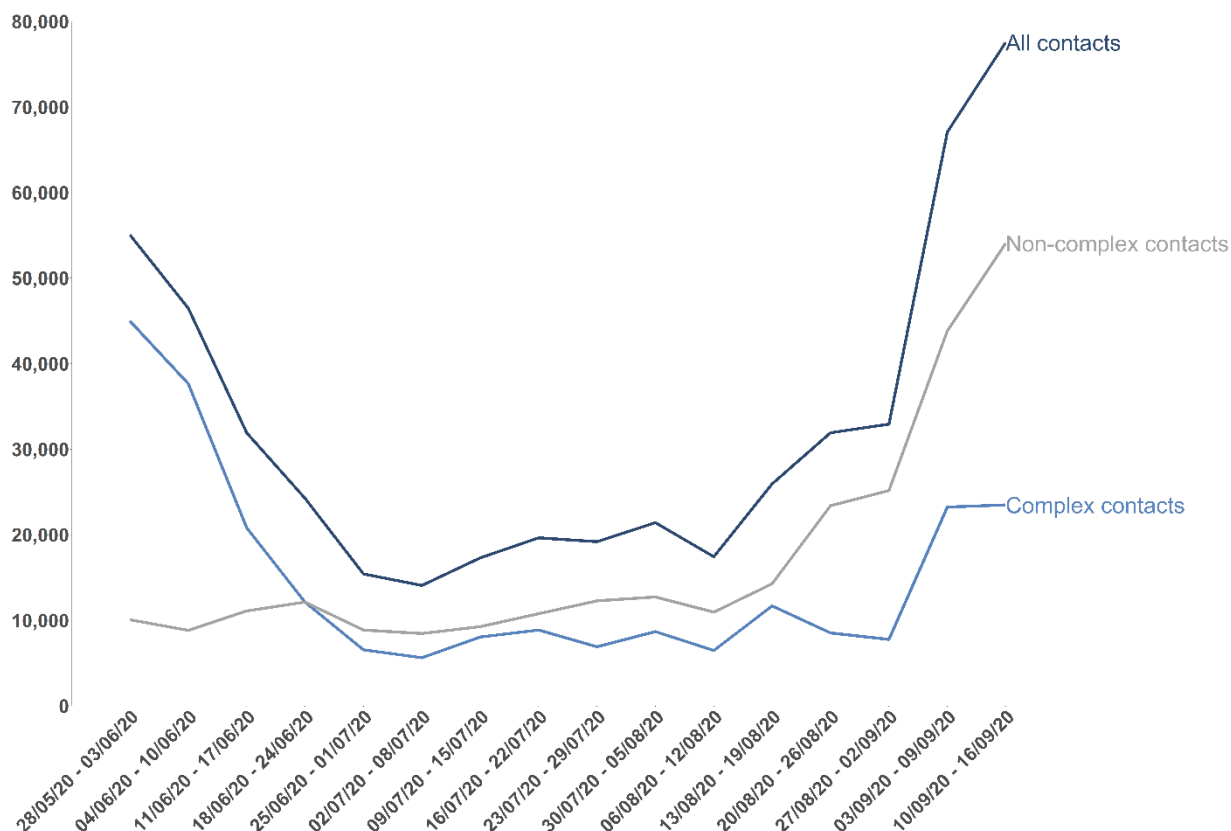
Between 10 September and 16 September, 77,556 people were identified as recent close contacts, of which 54,070 (69.7%) were non-complex and 23,486 (30.3%) were complex. The steep increase seen since the end of August in the number of contacts identified has been driven by both a 115% increase in non-complex contacts and 202% increase in complex contacts identified.

The total number of complex close contacts identified had a steep decline between the start of contact tracing and the end of June in comparison to the number of non-complex contacts which remained broadly consistent over the same time period. At the beginning of May complex contacts were 81.7% of contacts identified compared to only 30.3% in the most recent week.

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 74.7% in the latest week.

Considering only the contacts where communication details were provided, 84.7% were reached and asked to self-isolate in the most recent week. Since Test and Trace launched, this is 86.4%.

Figure 11: Number of people identified as recent close contacts, England



The data for the most recent weeks 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 64.3% since the start of Test and Trace.

Between 10 September and 16 September, 54,070 non-complex close contacts were identified of which 34,775 (64.3%) were reached and asked to self-isolate. This percentage has increased slightly over the past four weeks.

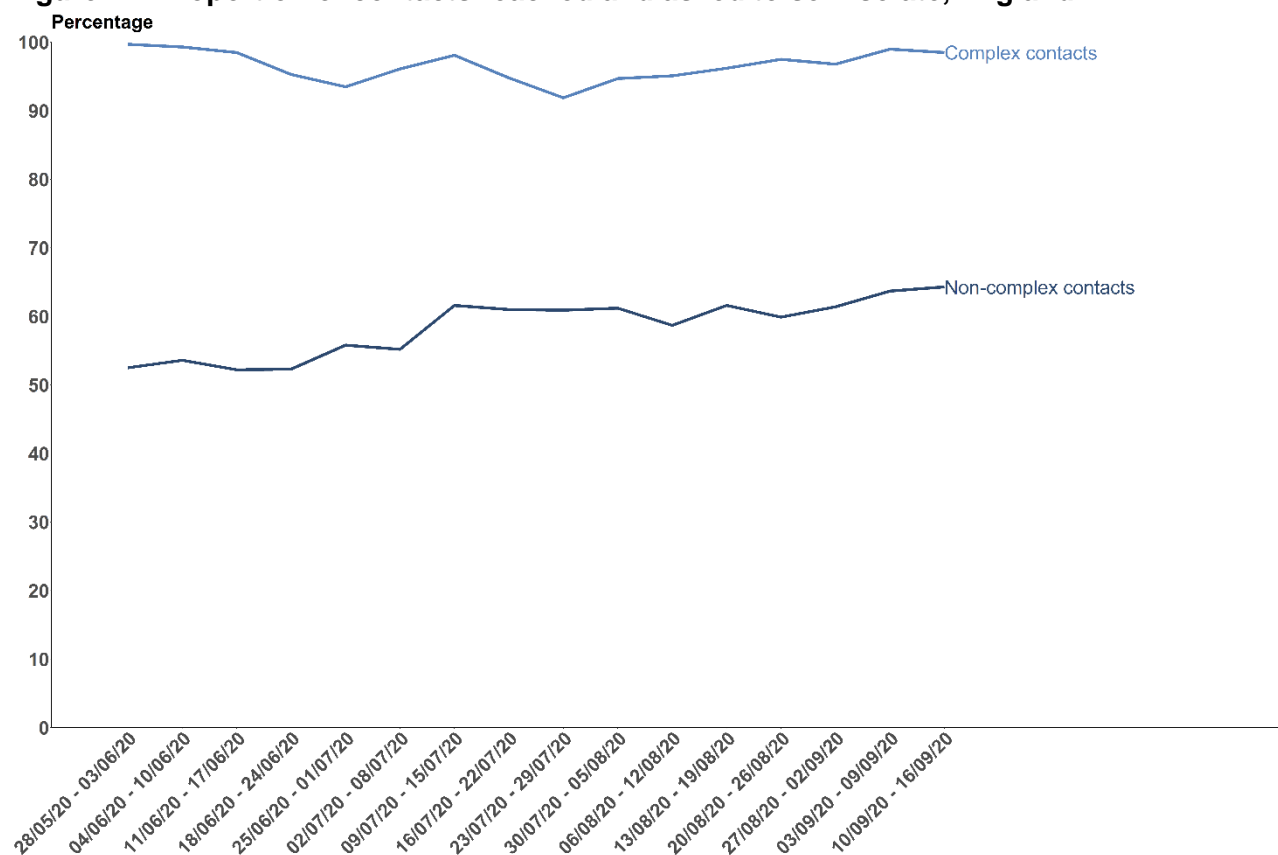
In the latest week, 10,143 (18.8%) non-complex contacts were not reached and 9,152 (16.9%) people had no communication details. For more information on the different outcomes of contact tracing see the [terminology](#) section.

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

Between 10 September and 16 September, 23,486 complex close contacts were identified of which 23,143 (98.5%) were reached and asked to self-isolate and 343 (1.5%) were not reached. The proportion of complex close contacts successfully reached has been

increasing gradually since the end of July. Since Test and Trace launched 97.8% of all complex contacts have been successfully reached.

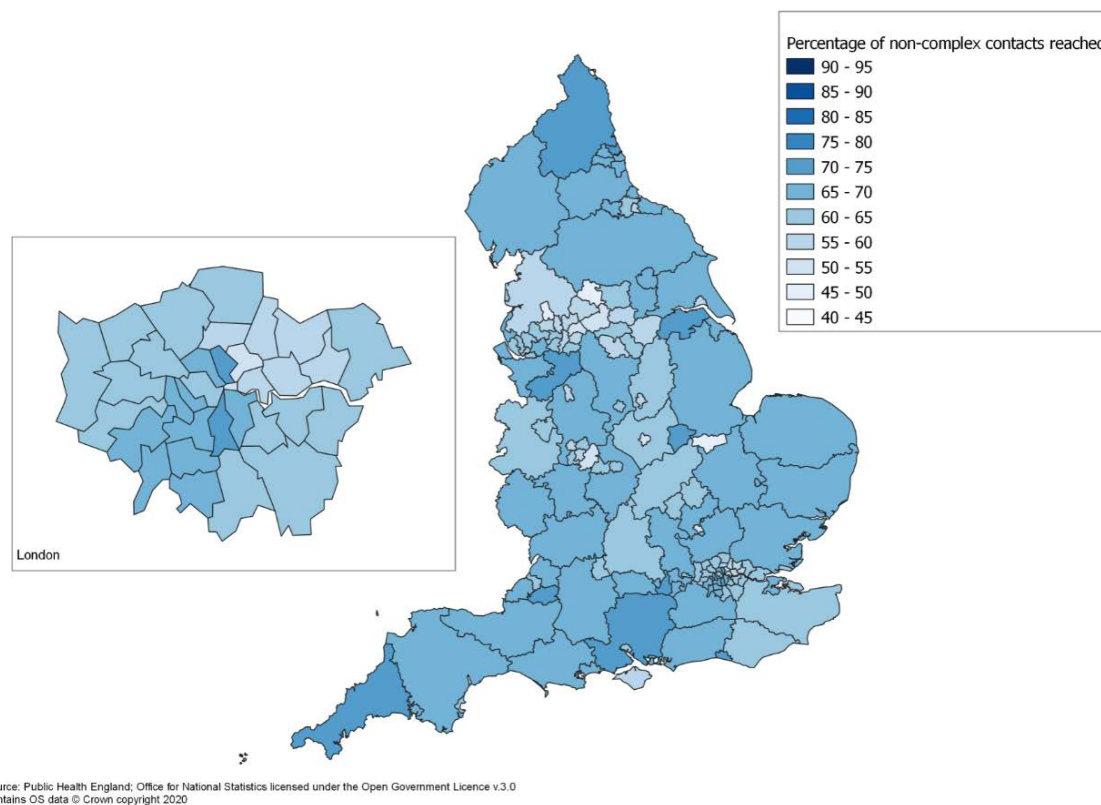
Figure 12: Proportion of contacts reached and asked to self-isolate, England



The data for the most recent weeks can be found in the Annex, [Table 8](#).

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.¹¹

¹¹ The regional data uses a different data cut to the main publication therefore cumulative totals will not exactly match. The data is available for the cumulative figures since Test and Trace launched up to the most recent week of reporting. Due to revisions that occur each week one week's cumulative figures cannot be subtracted from a previous week's to obtain weekly data by UTLA.

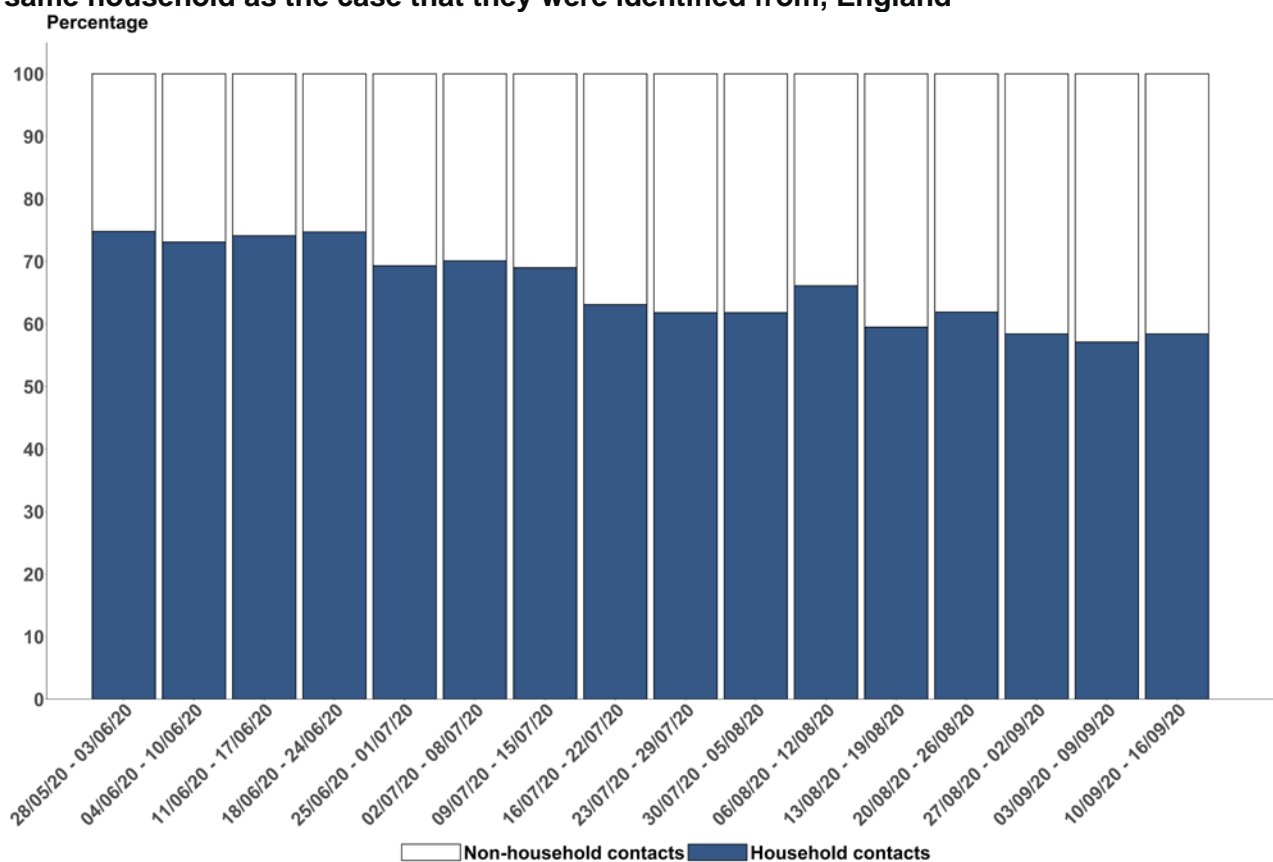
In the most recent week, around 3 out of 5 non-complex contacts were from the same household as the case they were identified from.

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 10 September and 16 September, 58.4% of non-complex contacts were household contacts compared to 74.8% at the start of Test and Trace.

In the latest week, 60.2% of these household contacts were successfully reached and asked to self-isolate. This is in comparison to 70.0% 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 were reached within 24 hours of being identified¹².

Between 10 September and 16 September, 83.1% of non-complex contacts that were advised to self-isolate were reached within 24 hours of being identified. This proportion has remained similar since Test and Trace launched. Overall, since Test and Trace launched, 82.2% of all non-complex contacts have been reached and advised to self-isolate within 24 hours.

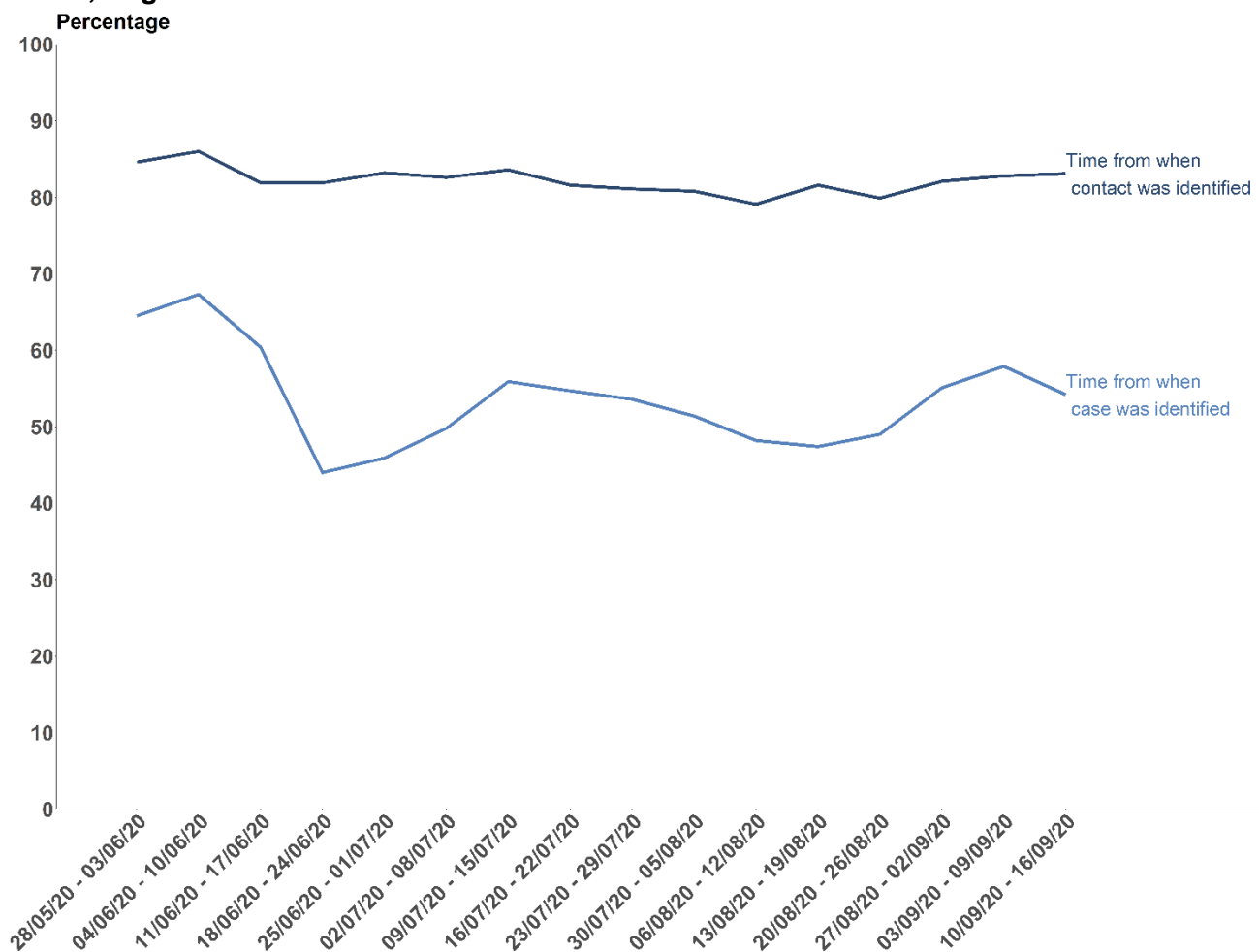
For non-complex contacts who were advised to self-isolate, over 50% were reached within 24 hours of the case that reported them being transferred to the contact tracing system.

Between 10 September and 16 September, 18,768 (54.2%) 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 seen an overall decline from a peak of 67.3% at the beginning of June and a decline since the previous week.

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.

¹² Timing data does not include non-complex contacts which were subsequently escalated to complex.

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](#).

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 and swab and antibody tests 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](#).

This data was previously published on [daily statistics on coronavirus cases in the UK](#) until Thursday 20 August. Although this page is no longer be updated the historic UK testing statistics and the accompanying [COVID-19 testing data methodology note](#) are still available. Statistics on tests processed and testing capacity are published weekly in this publication and daily figures are also 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. A historic timeseries of weekly lab capacity, tests sent out and tests processed is available on the collection page for this release.

2.1 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. Actual capacity is calculated retrospectively after knowing what the exact conditions were on the day and how many tests could have theoretically been processed. The figures in this bulletin refer to projected capacity. Further information on the methods for determining capacity is available in the [NHS Test and Trace statistics methodology](#).

Testing capacity between 10 September to 16 September was 2,531,955 tests, similar to the previous two weeks but continuing the upward trend seen since mid-August. Testing capacity gradually increased from around 45,000 tests at the end of March to over 2,400,000 in mid-July when capacity levelled off until mid-August.

Swab testing capacity continues to increase gradually since mid-August in comparison to antibody testing (serology) capacity which has remained consistent.

Table 3a: Weekly lab testing capacity, Pillars 1-4, UK¹³

	03 September - 09 September: Number of tests	10 September - 16 September: Number of tests
Pillar 1	575,043	574,155
Pillar 2	1,037,500	1,089,000
Pillar 3	840,000	840,000
Pillar 4	72,700	28,800
UK Total	2,525,243	2,531,955

Table 3b: Weekly lab testing capacity, swab and antibody tests, UK

	03 September - 09 September: Number of tests	10 September - 16 September: Number of tests
Swab tests	1,672,543	1,674,255
Antibody tests	852,700	857,700
UK Total	2,525,243	2,531,955

A breakdown of the daily lab capacity for swab and antibody tests, up to the 22nd September is available on the [NHS Test and Trace collection page](#). Further information is available in the [NHS Test and Trace statistics methodology](#).

2.2 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 (swab testing) and pillar 4 (swab 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 5a. 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 [NHS Test and Trace statistics methodology](#).

¹³ Pillar 3 figures are for England only.

1,193,000 tests were sent out across the UK within pillars 2 and 4 between 10 September and 16 September, continuing the upward trend since mid-August. The number of tests sent out has overall seen an upward trend since mid-April when there were less than 1,000 tests sent out compared to over 1 million in the latest week.

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

	03 September - 09 September: Number of tests	10 September - 16 September: Number of tests	Total since data collection began: Number of tests
Pillar 2	1,160,953	1,014,700	11,763,151
Pillar 4	-	178,300	1,453,703
UK Total	1,160,953	1,193,000	13,216,854

2.3 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 swab testing (pillar 1, pillar 2 and partial pillar 4) and antibody testing (pillars 3 and 4). Further details are available in the [NHS Test and Trace statistics methodology](#).

For pillars 1 and 2, the number of tests processed in a laboratory is different to the number of test results processed 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 10 September and 16 September, 1,687,674 tests were processed in total across pillars 1 – 4, continuing the upward trend since mid-August. The number of tests processed has gradually increased from around 13,000 at the end of March to over 1,650,000 in the most recent week.

The number of swab tests processed has been increasing steadily since the end of March and in the current week is almost three times higher than mid-June. The number of antibody (serology) tests processed have remained at relatively low levels with a peak in mid-June - tests processed in the most recent week now three times lower.

Table 5a: Number of tests processed, pillars 1-4, UK¹³³

	03 September - 09 September: Number of tests	10 September - 16 September: Number of tests	Total since data collection began: Number of tests
Pillar 1	393,336	442,164	6,856,685
Pillar 2	860,730	1,089,786	10,664,995
Pillar 3	33,481	34,897	1,615,478
Pillar 4	119,883	120,827	1,674,038
UK Total	1,407,430	1,687,674	20,811,196

Table 5b: Number of tests processed, swab and antibody, UK

	03 September - 09 September: Number of tests	10 September - 16 September: Number of tests
Swab tests	1,371,021	1,602,882
Antibody tests	36,409	84,792
UK Total	1,407,430	1,687,674

A breakdown of the daily lab capacity for swab and antibody tests, up to the 22nd September is available on the [NHS Test and Trace collection page](#). Further information is available in the [NHS Test and Trace statistics methodology](#).

3. Terminology

3.1 Testing

- **Pillar 1 testing:** swab testing in Public Health England (PHE) labs, NHS hospitals for those with a clinical need, and health and care workers.
- **Pillar 2 testing:** swab testing for the wider population, through commercial partnerships¹⁴, carried out through several different routes:
 - **Regional Test Sites**, which includes drive-through testing centres.
 - **Local Test Sites**¹⁵, 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.
- **Swab testing:** testing using polymerase chain reaction (PCR) assay within pillars 1, 2 and pillar 4 to show if someone currently has COVID-19.
- **Antibody testing:** testing of a blood sample within pillar 3 and pillar 4 to show if people have antibodies from having had COVID-19.
- **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.

¹⁴ See more detail in [Scaling up our testing programmes](#)

¹⁵ Previously Local Test Sites were included together with Regional Test Sites but from 17 September have been split out as a separate group

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.
- **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.

3.2 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.

4. Measuring the data

4.1 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 [NHS Test and Trace statistics methodology](#).

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.

4.2 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, weekly UK testing statistics since the start of testing and Demographic data for coronavirus testing in England between 28 May and 26 August.

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 Autumn 2020
<ul style="list-style-type: none">• Details of close contacts who go on to test positive• High 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.

4.3 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.

4.4 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](#).

4.5 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.

	03 September – 09 September: Number of people	10 September – 16 September: Number of people	Since Test and Trace launched. 28 May – 16 September: Number of people
Pillar 1	164,801	198,818	2,085,152
Tested Positive	1,589	3,550	21,066
Pillar 2	416,775	388,355	4,390,610
Tested Positive	17,181	15,728	100,940
Total	581,576	587,173	6,475,762
Tested Positive	18,770	19,278	122,006

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

	03 September – 09 September: Number of people (Percentage)	10 September – 16 September: Number of people (Percentage)	09 July – 16 September: Number of tests (Percentage)
Total tests conducted in Pillar 1	335,673	375,110	3,008,791
Number of tests completed within 24 hours turnaround	298,110 (88.8%)	331,499 (88.4%)	2,688,191 (89.3%)
Number of tests exceeding 24 hours turnaround	37,563 (11.2%)	43,611 (11.6%)	320,600 (10.7%)

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

	03 September – 09 September: Median time (hours)	10 September – 16 September: Median time (hours)	Since Test and Trace launched. 28 May – 16 September: Median time (hours)
Regional Test Sites	27	30	21
Local Test Sites	35	34	28
Mobile Testing Units	26	31	21
Satellite Test Centres	102	88	67
Home Testing Kits	83	75	57

Annex Table 4: Total number of tests results processed in pillar 2¹⁶, by route, England.

	03 September – 09 September: Number of tests	10 September – 16 September: Number of tests	Since Test and Trace launched. 28 May – 16 September: Number of tests
Regional Test Sites	115,118	75,528	1,775,469
Local Test Sites	99,758	125,016	423,656
Mobile testing Units	145,618	91,484	1,330,772
Satellite Test Centres	343,523	390,752	2,697,930
Home Testing Kits	172,886	166,010	1,617,572
All routes	876,903	848,790	7,845,399

Annex Table 5: Median distance travelled to take a test in-person, pillar 2 by route, England.

	03 September – 09 September: Median distance (miles)	10 September – 16 September: Median distance (miles)	Since Test and Trace launched. 28 May – 16 September: Median distance (miles)
Regional Test Sites	6.8	9.0	5.5
Local Test Sites	2.7	2.9	2.4
Mobile Testing Units	5.9	7.7	4.2
All in-person routes	5.1	5.2	4.6

Annex Table 6: 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.

	03 September – 09 September: Number of people (Percentage)	10 September – 16 September: Number of people (Percentage)	Since Test and Trace launched. 28 May – 16 September: Number of people (Percentage)
People who provided details of one or more close contacts	10,764 (82.6%)	13,846 (83.8%)	72,962 (77.1%)
People who were not able to give any recent close contacts	2,262 (17.4%)	2,677 (16.2%)	21,623 (22.9%)
Total	13,026	16,523	94,585

¹⁶ Please note the number of test results processed sent out is not the same as the number of people tested, because people may be tested more than once.

Annex Table 7: People who were reached and asked to provide details about recent close contacts by time taken from case being transferred, England. Excludes complex cases.

	03 September – 09 September: Number of people (Percentage)	10 September – 16 September: Number of people (Percentage)	Since Test and Trace launched. 28 May – 16 September: Number of people (Percentage)
Within 24 hours	9,506 (77.0%)	11,183 (70.9%)	62,189 (73.0%)
Between 24 and 48 hours	2,113 (17.1%)	2,861 (18.1%)	15,569 (18.3%)
Between 48 and 72 hours	347 (2.8%)	383 (2.4%)	3,055 (3.6%)
After 72 hours	387 (3.1%)	1,344 (8.5%)	4,357 (5.1%)
Total	12,353	15,771	85,170

Annex Table 8: 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.

	03 September – 09 September: Number of people (Percentage)	10 September – 16 September: Number of people (Percentage)	Since Test and Trace launched. 28 May – 16 September: Number of people (Percentage)
Total number of close contacts identified	67,081	77,556	517,601
Close contacts reached and asked to self-isolate	50,935 (75.9%)	57,918 (74.7%)	402,782 (77.8%)
Close contacts not reached	16,146 (24.1%)	19,638 (25.3%)	114,819 (22.2%)
Total number of close contacts identified from non-complex cases	43,842	54,070	276,178
Close contacts reached and asked to self-isolate	27,922 (63.7%)	34,775 (64.3%)	166,674 (60.4%)
Close contacts not reached	8,536 (19.5%)	10,143 (18.8%)	57,834 (20.9%)
Communication details not provided	7,384 (16.8%)	9,152 (16.9%)	51,670 (18.7%)
Total number of complex close contacts	23,239	23,486	241,423
Close contacts reached and asked to self-isolate	23,013 (99.0%)	23,143 (98.5%)	236,108 (97.8%)
Close contacts not reached	226 (1.0%)	343 (1.5%)	5,315 (2.2%)

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.

	03 September – 09 September: Number of people (Percentage)	10 September – 16 September: Number of people (Percentage)	Since Test and Trace launched. 28 May – 16 September: Number of people (Percentage)
Total number non-complex household contacts	25,049	31,601	173,553
Close contacts reached and asked to self-isolate	15,111 (60.3%)	19,037 (60.2%)	98,478 (56.7%)
Close contacts not reached	9,938 (39.7%)	12,564 (39.8%)	75,075 (43.3%)
Total number non-complex not household contacts	18,793	22,469	102,625
Close contacts reached and asked to self-isolate	12,811 (68.2%)	15,738 (70.0%)	68,196 (66.5%)
Close contacts not reached	5,982 (31.8%)	6,731 (30.0%)	34,429 (33.5%)

Annex Table 10: Number of close contacts who were advised to self-isolate by time taken to reach them England. This excludes complex contacts.

	03 September – 09 September: Number of people (Percentage)	10 September – 16 September: Number of people (Percentage)	Since Test and Trace launched. 28 May – 16 September: Number of people (Percentage)
Within 24 hours	23,113 (82.8%)	28,883 (83.1%)	136,996 (82.2%)
Between 24 and 48 hours	3,970 (14.2%)	5,067 (14.6%)	23,789 (14.3%)
Between 48 and 72 hours	628 (2.2%)	610 (1.8%)	4,140 (2.5%)
After 72 hours	210 (0.8%)	214 (0.6%)	1,671 (1.0%)
Total	27,921	34,774	166,596

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 contacts.

	03 September – 09 September: Number of people (Percentage)	10 September – 16 September: Number of people (Percentage)	Since Test and Trace launched. 28 May – 16 September: Number of people (Percentage)
Within 24 hours	16,053 (57.9%)	18,768 (54.2%)	89,308 (53.9%)
Between 24 and 48 hours	7,882 (28.4%)	10,847 (31.3%)	47,974 (29.0%)
Between 48 and 72 hours	2,367 (8.5%)	2,916 (8.4%)	16,062 (9.7%)
After 72 hours	1,438 (5.2%)	2,103 (6.1%)	12,204 (7.4%)
Total	27,740	34,634	165,548