

# NHS Diagnostic Waiting Times and Activity Data

NHS England and NHS Improvement



# **NHS Diagnostic Waiting Times and Activity Data**

## **July 2021 Monthly Report**

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NHS England and NHS Improvement

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# 1 Executive summary

This report presents a monthly summary of diagnostic waiting times and activity across the NHS in England. This monthly report is part of a routine series of publications produced by NHS England and NHS Improvement.

The data presented in this report measures the current waiting times of patients still waiting for any of 15 key diagnostic tests or procedures at the month end. This data is split by number of weeks waiting and by test. The waiting times reported are for those patients who have been referred for a test, but whose test had not taken place by the end of the reporting period. Referrals may be from a variety of sources including GPs.

One of the main measurements covered in this report is the number and proportion of patients waiting six weeks or more for a diagnostic test, from time of referral.

This six-week diagnostic wait was initially introduced as a 'milestone' from March 2008 towards achieving the standard Referral to Treatment wait of 18 weeks by December 2008, but diagnostic waiting times now form part of the NHS Constitution. This gives patients the legal right to treatment within 18 weeks of referral (18 week RTT) and as part of this, pledges that patients should not be required to wait six weeks or more for a diagnostic test.

NHS England and NHS Improvement's planning guidance states that there is a threshold of 1% for this pledge. The financial penalty for non-delivery of the standard is set out in the NHS Standard Contract 2020/21.

The 15 key diagnostic tests included in this report are:

## Imaging

- Magnetic Resonance Imaging (MRI)
- Computerised Tomography (CT)
- Non-obstetric Ultrasound
- Barium Enema
- Dual-Energy X-Ray Absorptiometry (DEXA) Scan

## Physiological Measurements

- Audiology Assessments
- Echocardiography
- Electrophysiology
- Neurophysiology – Peripheral Neurophysiology
- Respiratory Physiology – Sleep Studies
- Urodynamics – Pressures & Flows

## Endoscopy

- Gastroscopy
- Colonoscopy
- Flexible Sigmoidoscopy
- Cystoscopy

For detailed descriptions of each diagnostic test please see the [collection guidance documentation](#).

Some of the key terms used throughout this report are outlined below:

- **6+ Waits**  
A count of the number of patients waiting six weeks or more for a diagnostic test at month end from referral.
- **Activity**  
A count of the number of diagnostic tests undertaken during the month.
- **Diagnostic Test**  
A test or procedure of which the primary function is to identify a patient's disease or condition to allow a medical diagnosis to be made.
- **Waiting List**  
A count of the number of patients that are waiting for a diagnostic test at the end of the month.

A more comprehensive glossary is available in the Annex.

All England figures quoted are commissioner based. Commissioner based returns reflect data for patients for whom English commissioners are responsible.

## 1.1 National Statistics

The UK Statistics Authority has designated these statistics as National Statistics, in accordance with the Statistics and Registration Service Act 2007 and signifying compliance with the Code of Practice for Official Statistics.

Designation can be broadly interpreted to mean that the statistics:

- meet identified user needs;
- are well explained and readily accessible;
- are produced according to sound methods; and
- are managed impartially and objectively in the public interest.

Once statistics have been designated as National Statistics it is a statutory requirement that the Code of Practice shall continue to be observed.

## 2 July 2021 Key Findings

- Diagnostic test activity and waiting times have been impacted by the COVID-19 pandemic and data for the current reporting period may therefore not be comparable to previous periods.
- The total number of patients waiting six weeks or more from referral for one of the 15 key diagnostic tests at the end of July 2021 was 325,200. This was 23.5% of the total number of patients waiting at the end of the month and the best performance in the last 12 months.
- Nationally, the operational standard of less than 1% of patients waiting six weeks or more was not met this month.
- Compared with July 2020 the total number of patients waiting six weeks or more decreased by 164,600 while the proportion of patients waiting six weeks or more decreased by 16.1 percentage points.
- In the last 12 months, the proportion of patients waiting six weeks or more at the end of a month has varied between 22.3% (May 2021) and 38.1% (August 2020).
- At the end of July 2021, the test with the smallest proportion of patients waiting six weeks or more was Electrophysiology with 6.2%. The test with the highest proportion was Urodynamics, with 48.0% of patients waiting six weeks or more.
- An alternative measure of diagnostic waiting times is the average (median) waiting time. The estimated average time that a patient had been waiting for a diagnostic test was 3.1 weeks at the end of July 2021.
- There were 1,383,500 patients waiting for a key diagnostic test at the end of July 2021. This is an increase of 146,500 from July 2020. A drop in the number of patients waiting for a diagnostic test in March 2020 as a result of COVID-19 was followed by growth in the waiting list, with some subsequent reductions.
- A total of 1,923,900 diagnostic tests were undertaken in July 2021. This is an increase of 396,000 from July 2020. Monthly activity was increasing slightly until it fell sharply from March 2020 before services started to resume from July 2020 onwards.

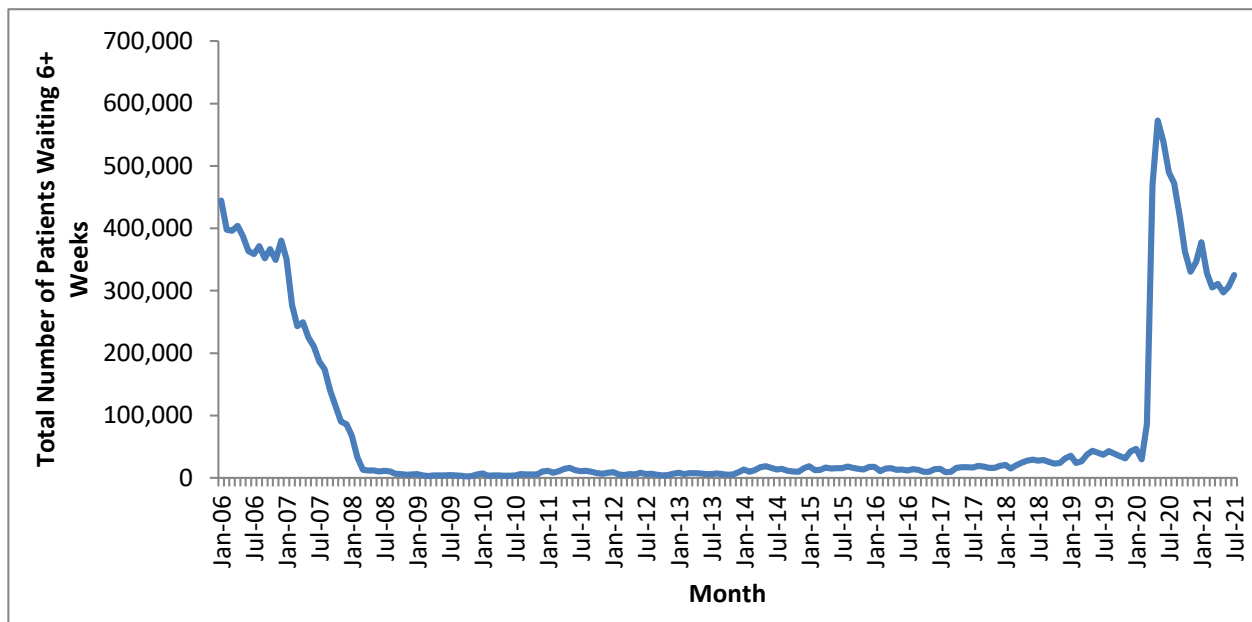
### 3 National Trends

This section analyses trends in monthly diagnostic waiting times and activity data that has been collected since January 2006.

#### 3.1 6+ Week Waits

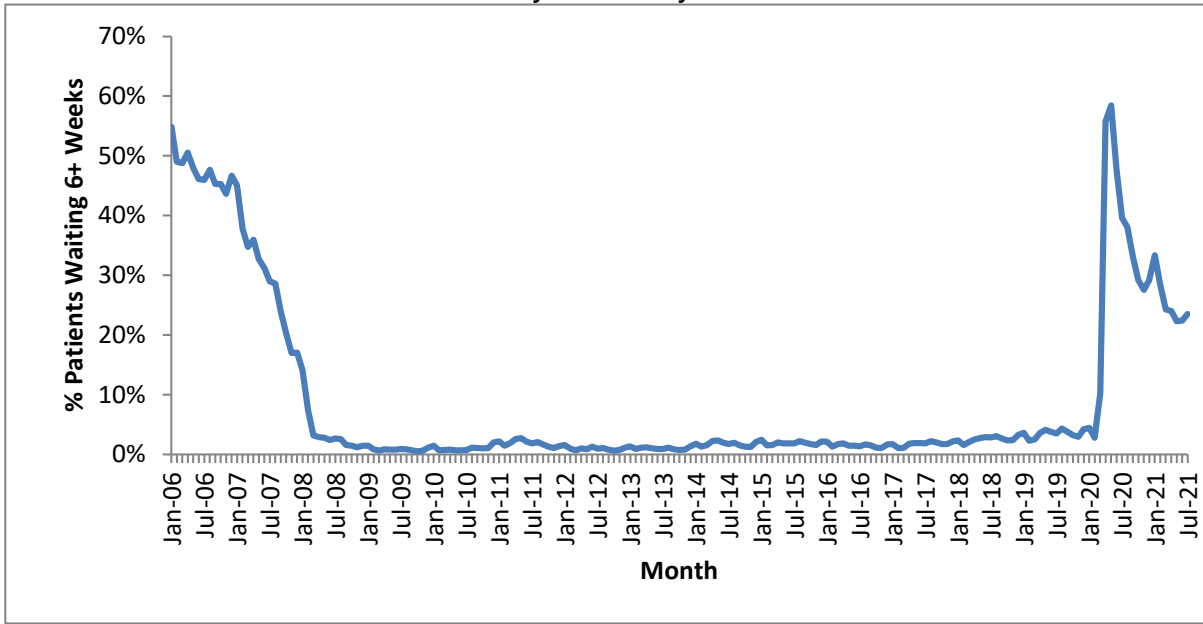
- 3.1.1. The total number of patients waiting six weeks or more dropped sharply between January 2007 and March 2008 (Chart 1), as Trusts worked towards the NHS Improvement Plan (June 2004) milestone that no one should wait six weeks or more for a diagnostic test by March 2008.
- 3.1.2. Since March 2008 there were fluctuations in the total number of patients waiting six weeks or more, with a significant rise between December 2013 and May 2014. The number of patients waiting six weeks or more rose sharply in July 2020 due to the impact of COVID-19. In July 2021 there was an increase of 19,100 in the number of patients waiting six weeks or more from the previous month.

Chart 1: Total number of patients waiting 6+ weeks at month end for all tests  
January 2006 to July 2021



- 3.1.3. The proportion of patients waiting six weeks or more shows a similar drop between January 2007 and the 6-week milestone in March 2008 before stabilising (Chart 2) prior to the COVID-19 period. In the last 12 months, the proportion of patients waiting six weeks or more at the end of a month has varied between 22.3% (May 2021) and 38.1% (August 2020). The 1% operational standard was last met in November 2013.

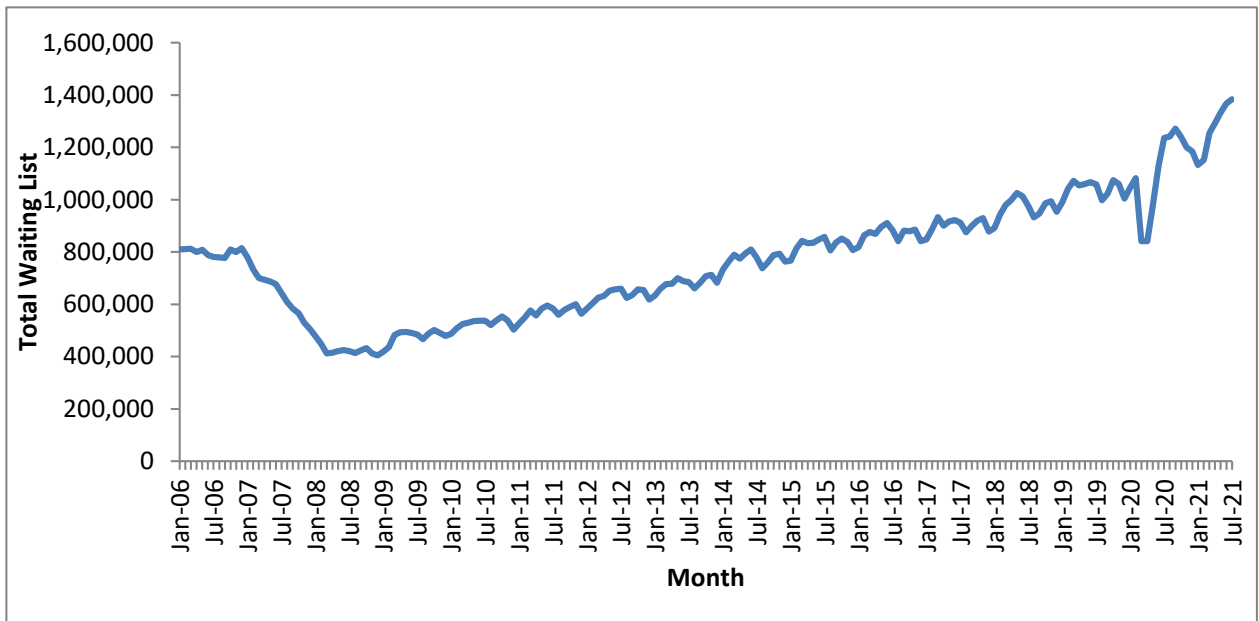
**Chart 2: Percentage of patients waiting 6+ weeks at month end for all tests  
January 2006 to July 2021**



### 3.2 Total Waiting List

3.2.1. As with the number and proportion of patients waiting six weeks or more, the total number of patients waiting at the month end dropped dramatically between January 2007 and the 6-week milestone in March 2008 (Chart 3). Following a period with a stable total waiting list between March 2008 and January 2009, the underlying trend showed a steady increase before dropping sharply in March 2020 and subsequently rising due to the impact of COVID-19.

**Chart 3: Total number of patients waiting at month end for all tests  
January 2006 to July 2021**

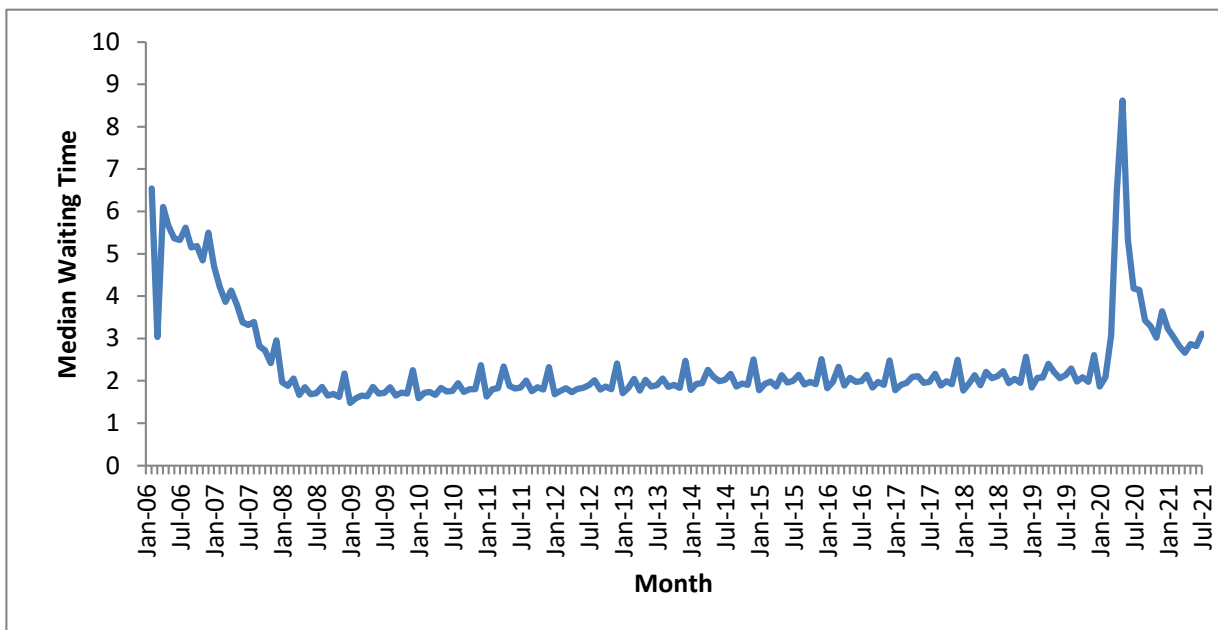




### 3.3 Median Waiting Time

3.3.1. The average (median) waiting time displays a similar trend to the total waiting list and 6 weeks or more waits. After a rapid decrease in the two years leading to the 6-week milestone, the median waiting time remained stable until the COVID-19 period (Chart 4). The data shows significant increases during December every year as a result of the higher number of bank holidays and resulting lower activity. In the last 12 months, the median waiting time had a high of 4.1 weeks (August 2020) and a low of 2.7 weeks (April 2021). The median waiting time in July 2021 was 3.1 weeks.

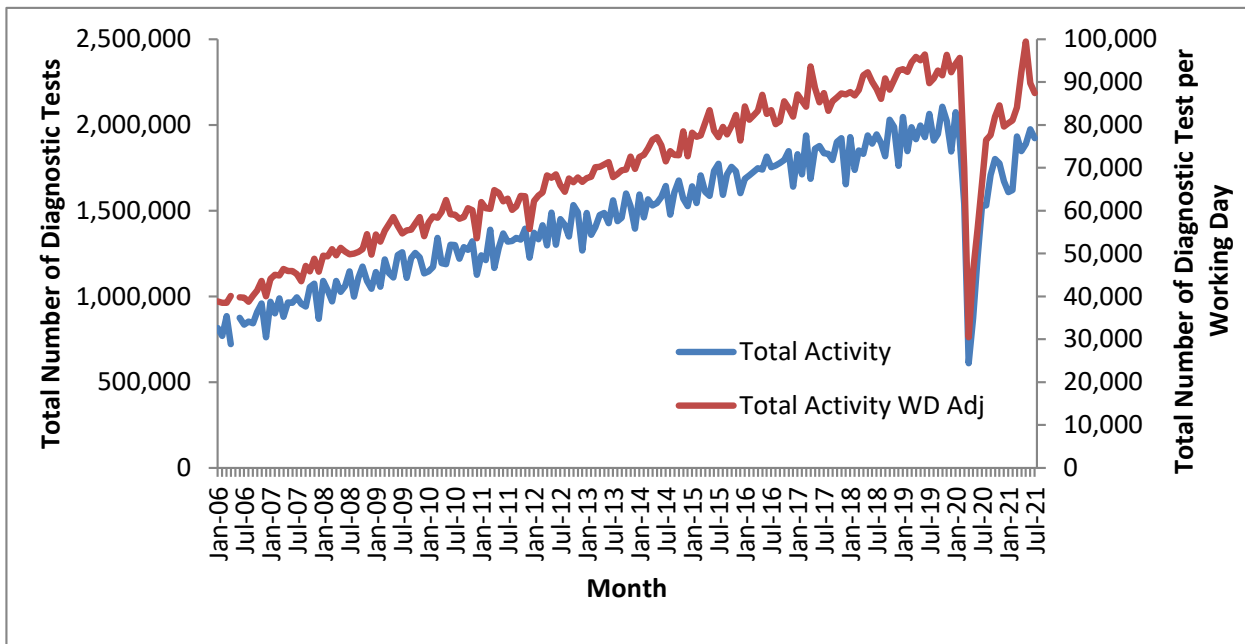
Chart 4: Median waiting time for all tests – January 2006 to July 2021



### 3.4 Total Activity

- 3.4.1. The monthly activity figure can fluctuate significantly month to month, with particularly notable decreases in December due to the bank holidays. However, the underlying trend has shown an increase since January 2006 until the COVID-19 period. If the data is adjusted to show activity per working day, the monthly variation becomes less pronounced (Chart 5).
- 3.4.2. Monthly activity decreased markedly following the start of the COVID-19 pandemic. Total activity in July 2020 fell by 68% compared to April 2019 but subsequently started to recover with some further set-backs.

**Chart 5: Total activity and working day adjusted activity per month for all tests  
January 2006 to July 2021**



Note: Activity data was not collected in May 2006 and all activity time series graphs will show missing values for that month

3.4.3. In the previous 12 months, individual tests have shown differing changes in activity. The test with the smallest change in activity was Electrophysiology where July 2021 activity was 0.6% lower per month than July 2020 (Table 1).

**Table 1: Total activity, by test – July 2020 and July 2021**

	Jul-20	Jul-21	Average monthly growth
MRI	247,686	302,378	1.7%
CT	515,598	590,297	1.1%
Non-obstetric Ultrasound	479,413	594,390	1.8%
Barium Enema	2,774	3,803	2.7%
Dexa Scan	21,346	37,511	4.8%
Audiology Assessments	37,152	80,271	6.6%
Echocardiography	108,937	131,004	1.5%
Electrophysiology	674	629	-0.6%
Peripheral Neurophysiology	11,928	18,554	3.8%
Sleep Studies	6,721	9,461	2.9%
Urodynamics	3,085	5,484	4.9%
Colonoscopy	28,647	47,810	4.4%
Flexi Sigmoidoscopy	12,008	16,977	2.9%
Cystoscopy	21,124	28,038	2.4%
Gastroscopy	30,815	57,323	5.3%
<b>All Tests</b>	<b>1,527,908</b>	<b>1,923,930</b>	<b>1.9%</b>

## 4 July 2021 Data

This section analyses the July 2021 diagnostic waiting times and activity data and includes comparisons between tests, regions, providers and commissioners.

6+ week waits performance became significantly worse from March to May 2020 due to the impact of the COVID-19 crisis but started to improve from June 2020.

### 4.1 6+ Week Waits

- 4.1.1. At the end of July 2021, there were a total of 325,200 patients waiting six weeks or more from referral for one of the 15 key diagnostic tests. This was 23.5% of the total number of patients waiting at the end of the month.
- 4.1.2. Compared with July 2020, the number of patients waiting six weeks or more decreased by 164,600, while the proportion of patients waiting six weeks or more decreased by 16.1 percentage points.
- 4.1.3. Compared with July 2020, the test with the smallest decrease in the proportion of patients waiting six weeks or more was MRI, which decreased by 8.4 percentage points. The test with the largest decrease was Audiology Assessment, which decreased by 39.5 percentage points (Table 2).

Table 2: Proportion of patients waiting 6+ weeks, by test – July 2020 and July 2021

	Jul-20	Jul-21	Difference (%age points)
MRI	29.5%	21.0%	-8.4
CT	30.7%	16.1%	-14.7
Non-obstetric Ultrasound	29.9%	15.8%	-14.1
Barium Enema	24.7%	10.6%	-14.1
Dexa Scan	48.4%	29.0%	-19.4
Audiology Assessments	59.6%	20.1%	-39.5
Echocardiography	47.7%	37.8%	-9.9
Electrophysiology	22.5%	6.2%	-16.3
Peripheral Neurophysiology	54.2%	32.2%	-22.0
Sleep Studies	54.9%	23.8%	-31.1
Urodynamics	63.6%	48.0%	-15.6
Colonoscopy	57.8%	40.0%	-17.9
Flexi Sigmoidoscopy	60.9%	39.5%	-21.4
Cystoscopy	49.7%	35.1%	-14.6
Gastroscopy	59.9%	39.6%	-20.3
<b>All Tests</b>	<b>39.6%</b>	<b>23.5%</b>	<b>-16.1</b>

Note: Figures may differ due to rounding.

- 4.1.4. Compared with July 2020, the test type with the smallest decrease in the proportion of patients waiting six weeks or more was Imaging with a

decrease of 13.0 percentage points. Physiological Measurement decreased by 19.6 percentage points, while Endoscopy decreased by 19.0 percentage points (Table 3). See section 5.4 for which tests are included under the different test types.

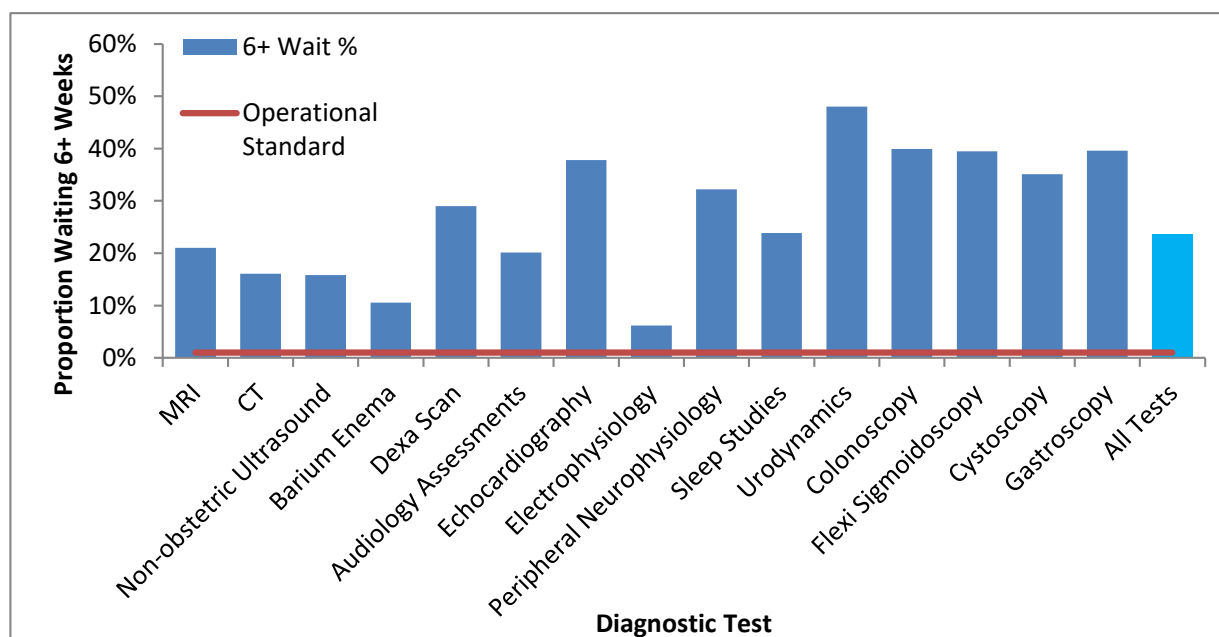
**Table 3: Proportion of patients waiting 6+ weeks, by test type – July 2020 and July 2021**

	Jul-20	Jul-21	Difference (%age points)
Imaging	31.1%	18.1%	-13.0
Physiological Measurement	52.4%	32.8%	-19.6
Endoscopy	58.2%	39.2%	-19.0
<b>Total</b>	<b>39.6%</b>	<b>23.5%</b>	<b>-16.1</b>

Note: Figures may differ due to rounding.

- 4.1.5. The operational standard that less than 1% of patients should wait six weeks or more from referral for a diagnostic test was met in none of the 15 key tests this month. The test with the lowest proportion of patients waiting six weeks or more was Electrophysiology (6.2%), whilst the test with the highest proportion was Urodynamics (48.0%) (Chart 6).

**Chart 6: Percentage of patients waiting 6+ weeks, by test – July 2021**



- 4.1.6. 133 of the 140 acute trusts that submitted data for July 2021 failed to meet the 1% operational standard.

- 4.1.7. All 108 Commissioners<sup>1</sup> failed to meet the 1% operational standard.

<sup>1</sup> Includes NHS England and NHS Improvement

- 4.1.8. None of the seven NHS England and NHS Improvement Regional Teams met the 1% operational standard. The proportion of patients waiting six weeks or more for a diagnostic test varied by region between 14.9% (South East) and 30.2% (East of England) (Table 4).
- 4.1.9. Feedback from NHS trusts has indicated that variations can exist between different regions due to a variety of reasons, from machines breaking down to staff shortages in trusts that usually only affect one region.

**Table 4: July 2021 Diagnostic Waiting Times and Activity by Regional Team\***

Region	Number of patients waiting six weeks or more at month end	Percentage of patients waiting six weeks or more at month end	Total number of patients waiting at month end	Total activity undertaken in month	Median waiting time
London	31,903	15.4%	207,117	320,050	2.6
South West	36,821	27.7%	132,903	182,282	3.5
South East	26,465	14.9%	177,231	296,793	2.6
Midlands	72,999	25.9%	282,110	345,271	3.3
East of England	52,358	30.2%	173,582	206,394	3.6
North West	49,371	25.6%	192,813	262,300	3.3
North East and Yorkshire	54,923	25.5%	215,401	297,076	3.2
<b>England</b>	<b>325,229</b>	<b>23.5%</b>	<b>1,383,460</b>	<b>1,923,930</b>	<b>3.1</b>

\*Includes all independent sector providers and excludes centrally commissioned.

## 4.2 Total Waiting List

- 4.2.1. At the end of July 2021 there were a total of 1,383,500 patients still waiting for a diagnostic test. This is an increase of 146,500 (11.8%) from July 2020.
- 4.2.2. The test with the largest waiting list was Non-obstetric Ultrasound, which accounted for 32.9% of the total waiting list, or 455,200 patients. The test with the smallest waiting list was Electrophysiology, which accounted for 0.04% of the total waiting list, or 600 patients (Table 5).

**Table 5: Total number of patients waiting at month end, by test – July 2020 and July 2021**

	<b>Jul-20</b>	<b>Jul-21</b>	<b>Growth (%age)</b>
MRI	203,821	277,491	<b>36.1%</b>
CT	157,734	164,215	<b>4.1%</b>
Non-obstetric Ultrasound	388,210	455,205	<b>17.3%</b>
Barium Enema	2,011	1,921	<b>-4.5%</b>
Dexa Scan	51,461	52,305	<b>1.6%</b>
Audiology Assessments	53,783	58,621	<b>9.0%</b>
Echocardiography	115,358	148,133	<b>28.4%</b>
Electrophysiology	621	597	<b>-3.9%</b>
Peripheral Neurophysiology	27,818	29,432	<b>5.8%</b>
Sleep Studies	11,890	10,869	<b>-8.6%</b>
Urodynamics	7,712	7,949	<b>3.1%</b>
Colonoscopy	74,732	63,690	<b>-14.8%</b>
Flexi Sigmoidoscopy	32,558	23,853	<b>-26.7%</b>
Cystoscopy	24,205	20,387	<b>-15.8%</b>
Gastroscopy	85,029	68,792	<b>-19.1%</b>
<b>All Tests</b>	<b>1,236,943</b>	<b>1,383,460</b>	<b>11.8%</b>

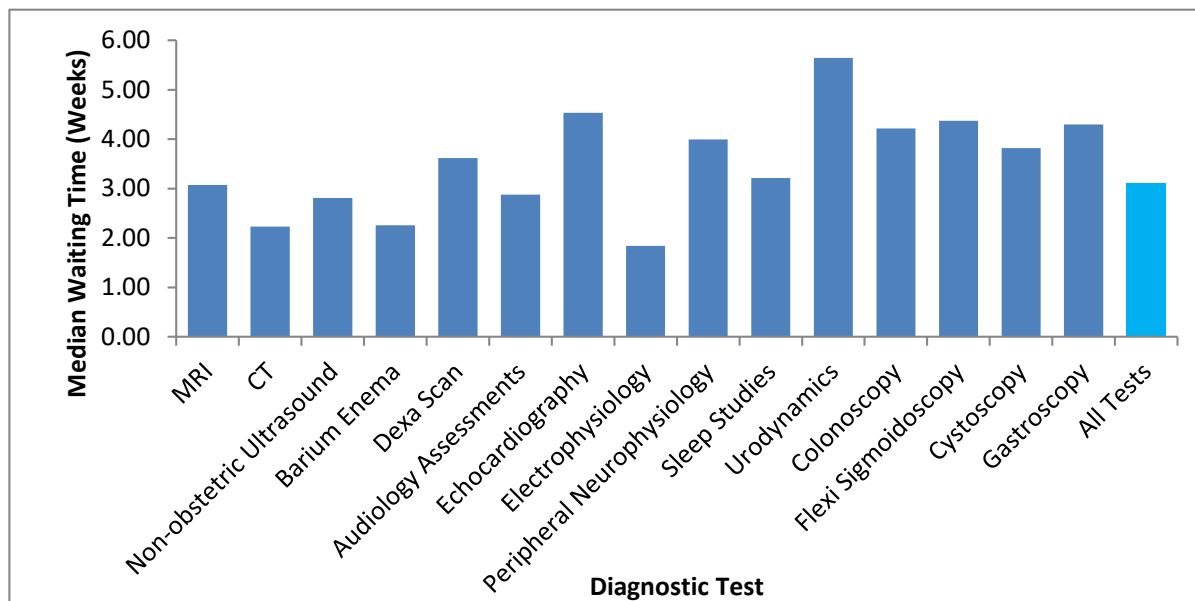
Note: Barium Enema is a test that should be replaced by Colonoscopy or CT Colonography, so the number of tests undertaken should be reducing.

4.2.3. The largest increase in the number of patients waiting by test has been for MRI, where the waiting list grew by 36.1% compared with July 2020.

### 4.3 Median Waiting Times

4.3.1. At the end of July 2021, the estimated median waiting time for all 15 diagnostic tests was 3.1 weeks from the time of referral, up from 2.8 weeks in the previous month. The test with the shortest median waiting time was Electrophysiology at 1.8 weeks. The test with the longest median waiting time was Urodynamics at 5.6 weeks (Chart 7).

Chart 7: Median waiting time by test – July 2021



### 4.4 Total Activity

4.4.1. In total 1,923,900 of the 15 key diagnostic tests were performed during July 2021. This is an increase of 396,000 (31.6%) from July 2020 (Table 6).

4.4.2. The test with the highest activity was Non-obstetric Ultrasound with 594,400 tests taking place. This accounted for 30.9% of all activity in July 2021. The test with the lowest activity was Electrophysiology with 600 tests taking place. This accounted for 0.03% of all activity this month.

4.4.3. The number of tests conducted over the last 12 months has increased by 9.5% from the same period last year.

Table 6: Total activity and growth, by test – July 2020 and July 2021

	Jul-21	Jul-20	YTD 21/22	YTD 20/21	Growth Jul 21 vs Jul 20	Growth YTD 21/22 vs YTD 20/21	Adjusted Growth Jul 21 vs Jul 20	Adjusted Growth YTD 21/22 vs YTD 20/21
MRI	302,378	247,686	1,185,983	674,041	22.1%	76.0%	27.6%	78.1%
CT	590,297	515,598	2,320,813	1,626,081	14.5%	42.7%	19.7%	44.4%
Non-obstetric Ultrasound	594,390	479,413	2,400,732	1,267,016	24.0%	89.5%	29.6%	91.8%
Barium Enema	3,803	2,774	13,048	7,302	37.1%	78.7%	43.3%	80.8%
Dexa Scan	37,511	21,346	142,735	36,503	75.7%	291.0%	83.7%	295.7%
Audiology Assessments	80,271	37,152	311,130	89,776	116.1%	246.6%	125.9%	250.7%
Echocardiography	131,004	108,937	521,633	285,090	20.3%	83.0%	25.7%	85.2%
Electrophysiology	629	674	2,853	1,746	-6.7%	63.4%	-2.4%	65.4%
Peripheral Neurophysiology	18,554	11,928	71,562	24,467	55.5%	192.5%	62.6%	196.0%
Sleep Studies	9,461	6,721	38,485	14,888	40.8%	158.5%	47.2%	161.6%
Urodynamics	5,484	3,085	22,656	6,835	77.8%	231.5%	85.8%	235.5%
Colonoscopy	47,810	28,647	194,140	58,395	66.9%	232.5%	74.5%	236.5%
Flexi Sigmoidoscopy	16,977	12,008	69,783	24,989	41.4%	179.3%	47.8%	182.6%
Cystoscopy	28,038	21,124	109,304	53,416	32.7%	104.6%	38.8%	107.1%
Gastroscopy	57,323	30,815	230,035	67,358	86.0%	241.5%	94.5%	245.6%
<b>All Tests</b>	<b>1,923,930</b>	<b>1,527,908</b>	<b>7,634,892</b>	<b>4,237,903</b>	<b>25.9%</b>	<b>80.2%</b>	<b>31.6%</b>	<b>82.3%</b>

Note: Barium Enema is a test that should be replaced by Colonoscopy or CT Colonography, so the number of tests undertaken should be reducing.



## 5 Annex

### 5.1 Methodology

5.1.1. NHS England and NHS Improvement compiles diagnostic waiting time and activity data through a central return. Data collected includes:

- The number of patients waiting at the month end, split by test and week.
- Total activity classified as either Waiting List tests (excluding planned), Planned tests, or Unscheduled tests.

5.1.2. Providers submit data to NHS England and NHS Improvement via SDCS where it is checked and signed off by commissioners. For further details on how the data is collected and the SDCS system, please refer to the [NHSE Collection Guidance](#).

### 5.2 Data Revisions

5.2.1. Revisions to published figures are released on a six-monthly basis and in accordance with the NHS England's revision policy. For more information on the revision policy please refer to the [SDCS Revisions Policy Document](#). Revisions were last published in July 2021 for the months September 2019 through to December 2020.

### 5.3 Data Availability

5.3.1. Monthly diagnostic waiting time and activity data is published on a monthly timetable. [A full calendar of all statistical publications can be found here](#).

### 5.4 Glossary

#### **Clinical Commissioning Group (CCG)**

A group of GP practices, which working with other healthcare professionals and in partnership with local communities and local authorities, commission NHS services for patients within their local communities.

#### **Endoscopy**

A categorisation of diagnostic tests that include: Colonoscopy; Flexi Sigmoidoscopy; Cystoscopy and Gastroscopy.

#### **Imaging**

A categorisation of diagnostic tests that include: Magnetic Resonance Imaging (MRI); Computed Tomography (CT); Non-obstetric Ultrasound; Barium Enema and DEXA Scan.

#### **Median Waiting Time**

A measurement of the average time patients have been waiting for a diagnostic test. The median is the middle value when waiting times are put in numerical order. 50% of patients have been waiting less than the median. The median is the preferred measurement of average waiting time as it is less susceptible to extreme values than the mean.

## Physiological Measurement

A categorisation of diagnostic tests that include: Audiology Assessments; Echocardiology; Electrophysiology: Peripheral Neurophysiology; Sleep Studies and Urodynamics.

## Provider

An organisation that provides NHS treatment or care, for example, an NHS Acute Trust, Mental Health Trust, Community provider, or an Independent Sector organisation.

## Region

One of seven geographical areas of NHS England and NHS Improvement responsible for the quality, financial and operational performance of all NHS organisations in their region.

## 5.5 Feedback Welcomed

We welcome feedback on the content and presentation of statistics within this report and those published on the NHS England website.

If you have any comments on this, or any other issues regarding these statistics, then please email [england.nhsdata@nhs.net](mailto:england.nhsdata@nhs.net)

Alternatively, we welcome your comments via our user feedback form [here](#).

Feedback about the user's experiences of using these statistics is available [here](#).

## 5.6 Consultation

Between 8 February 2018 and 5 April 2018, NHS England and NHS Improvement consulted on the future of the Quarterly Diagnostics Census and Monthly Diagnostics Waiting Times and Activity Returns. The outcome document for the consultation was published 30 March 2020 and confirmed the decision to stop collecting the Quarterly Diagnostics Census on a permanent basis and to continue the monthly diagnostics waiting times and activity return (DM01) in its current form. Find out more at: <https://www.engage.england.nhs.uk/consultation/diagnostics-census-waiting-times-activity-return>

## 5.7 Additional Information

[Full details of diagnostics data for individual organisations are available here.](#)

For press enquiries please contact the NHS England media team on 0113 825 0958 or 0113 825 0959. Email enquiries should be directed to [nhsengland.media@nhs.net](mailto:nhsengland.media@nhs.net)

The Government Statistical Service (GSS) statistician responsible for producing these data is:

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