# 0 UKKA <br> UK Kidney Association <br> UK Renal Registry 

# COVID-19 surveillance report for renal centres in the UK 

All regions and centres -
1 September 2020 to 26 January 2022

## ABOUT THIS REPORT

These reports are produced by the UK Renal Registry (UKRR) using data submitted by renal centres in response to the COVID-19 pandemic. The first report was circulated on Friday 27 March 2020. The UKRR produced a summary report of the first wave (1 March to 31 August 2020) on 4 December 2020. Reports from December 2020 onwards only include data from the second wave, i.e. 1 September 2020 onwards.

The reports are primarily about adults aged $\geq 18$ years, as well as young adults aged $16-18$ years, if they are under the care of an adult renal centre. However, also reported in the key points are aggregate data submitted by paediatric renal centres.

The data collected are deliberately limited so as not to add significantly to the burden of work in renal centres.

## DEFINITIONS

A renal patient with COVID-19 is:

- an individual who has a positive laboratory result for SARS-COV-2.

This definition was updated for the report on 28 October 2020 to reflect changes and variability in COVID-19 testing strategies across renal centres.

A renal patient whose death is attributed to COVID-19 is:

- an individual who died within 28 days of a positive laboratory result for SARS-COV-2.

This definition was updated for the report on 26 August 2020 following the introduction of the new UK-wide methodology to record COVID-19 deaths.

## SUGGESTED CITATION \& DISCLAIMER

UK Renal Registry (2021) COVID-19 surveillance report for renal centres in the UK: All regions and centres. The UK Kidney Association, Bristol, UK.

Publications based on the data presented in this report must include the citation detailed above and the following disclaimer:

The data reported here have been supplied by the UK Renal Registry (UKRR) of The UK Kidney Association. The interpretation and reporting of these data are the responsibility of the authors and in no way should be seen as an official policy or interpretation of the UKRR or The UK Kidney Association.

## CONTACT US

For more information about this report or the UKRR, please email us at ukrr.data@nhs.net

## KEY POINTS

For the week ending Wednesday 26 January 2022:

- adult renal centres -43 of the 51 centres in England, 4 of the 5 centres in Northern Ireland and 5 of the 5 centres in Wales submitted COVID-19 data to the UK Renal Registry (UKRR).
- paediatric renal centres - 8 of the 13 centres in England, Northern Ireland, Scotland and Wales submitted COVID-19 data to the UKRR.


## The most recent 10 weeks of the pandemic in adult renal centres (CKD and RRT patients)

After the peak in new COVID-19 cases around mid-January 2021, the general trend has been downwards until May 2021 when cases started to show a slight increase. Since July 2021 the trend in the number of cases has continued to rise and the rise in positive cases has accelerated in December 2021 but there is some evidence of a slowing down in the rate of increase in January 2022.

In adult renal centres in England:

- in the last week (Thurs-Wed) the number of new laboratory-confirmed cases of COVID-19 was 291
- from 1 September 2020 to 26 January 2022 the cumulative number of laboratory-confirmed cases of COVID-19 was 14,293
- in the last week (Thurs-Wed) the number of new deaths attributed to COVID-19 was 27
- from 1 September 2020 to 26 January 2022 the cumulative number of deaths attributed to COVID-19 was 2,383.

In adult renal centres in Northern Ireland:

- in the last week (Thurs-Wed) the number of new laboratory-confirmed cases of COVID-19 was 8
- from 1 September 2020 to 26 January 2022 the cumulative number of laboratory-confirmed cases of COVID-19 was 399
- in the last week (Thurs-Wed) the number of new deaths attributed to COVID-19 was 0
- from 1 September 2020 to 26 January 2022 the cumulative number of deaths attributed to COVID-19 was 30.


## In adult renal centres in Wales:

- in the last week (Thurs-Wed) the number of new laboratory-confirmed cases of COVID-19 was 52
- from 1 September 2020 to 26 January 2022 the cumulative number of laboratory-confirmed cases of COVID-19 was 1,454
- in the last week (Thurs-Wed) the number of new deaths attributed to COVID-19 was 0
- from 1 September 2020 to 26 January 2022 the cumulative number of deaths attributed to COVID-19 was 248.


## The course of the second wave of the pandemic in adult renal centres (CKD and RRT patients)

Figure 1 shows the cumulative number of laboratory-confirmed COVID-19 cases from 1 September 2020 to 26 January 2022 in adult renal centres in England, Northern Ireland and Wales.
At the start of the second wave of the pandemic, in all three countries, the number of cases climbed steeply until the middle of November 2020 when they started to plateau in England and Northern Ireland. Cases in Wales steadied in the second half of December 2020, while England experienced another steep increase from the end of December 2020 until the middle of January 2021. Numbers of new cases then decreased steadily in all three countries and curves plateaued until June 2021 when numbers started to increase. This increase in COVID-19 cases accelerated in July 2021 with a further acceleration in cases from December 2021 onwards.


Figure 1 Log cumulative counts of laboratory-confirmed COVID-19 cases in CKD and RRT patients between 1 September 2020 and 26 January 2022 in adult renal centres in England, Northern Ireland and Wales

In paediatric renal centres in England, Northern Ireland, Scotland and Wales:

- in the last week (Thurs-Wed) the number of new laboratory-confirmed cases of COVID-19 was 16
- from 1 September 2020 to 26 January 2022 the cumulative number of laboratory-confirmed cases of COVID-19 was 335
- From 1 September 2020 to 26 January 2022 there has been 2 deaths attributed to COVID-19, with both children having significant underlying health conditions.


## SURVEILLANCE

## ALL REGIONS AND ADULT CENTRES IN ENGLAND, NORTHERN IRELAND, SCOTLAND AND WALES

Table 1 Number of new and cumulative reported laboratory-confirmed COVID-19 cases in CKD and RRT patients within the last 7 days (Thursday 20 January 2022 to Wednesday 26 January 2022) and from 1 September 2020 to Wednesday 26 January 2022 in adult renal centres in England, Northern Ireland and Wales, by region, renal centre and country

| Region/renal centre | N RRT patients alive end of 2019 | Number of new COVID-19 cases |  |  |  |  |  | Number of cumulative COVID-19 cases |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | CKD | $\begin{gathered} \mathrm{HT} \\ (\mathrm{HHD}+\mathrm{PD}) \end{gathered}$ | ICHD | TPLT | Missing | TOTAL | CKD | HT (HHD+PD) |  | ICHD |  | TPLT |  | Missing | TOTAL |
|  |  |  |  |  |  |  |  |  | N | \% of HT | N | $\begin{aligned} & \% \text { of } \\ & \text { ICHD } \end{aligned}$ | N | $\begin{aligned} & \% \text { of } \\ & \text { TPLT } \end{aligned}$ |  |  |
| EAST OF ENGLAND | 4,660 | 0 | 0 | 14 | 3 | 0 | 17 | 15 | 33 | 9.7 | 535 | 29.8 | 151 | 6.0 | 0 | 734 |
| Basildon | 322 | 0 | 0 | 3 | 0 | 0 | 3 | 1 | 4 | 13.3 | 68 | 36.2 | 0 | 0.0 | 0 | 73 |
| Cambridge | 1,469 | 0 | 0 | 2 | 2 | 0 | 4 | 9 | 3 | 5.2 | 56 | 19.4 | 68 | 6.1 | 0 | 136 |
| Chelmsford | 261 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6.5 | 33 | 28.9 | 0 | 0.0 | 0 | 35 |
| Colchester | 145 |  |  |  |  |  |  | 0 | 0 | 0.0 | 30 | 20.7 | 0 | 0.0 | 0 | 30 |
| Ipswich | 424 |  |  |  |  |  |  | 0 | 3 | 6.5 | 24 | 17.0 | 1 | 0.4 | 0 | 28 |
| Norwich | 809 | 0 | 0 | 3 | 1 | 0 | 4 | 0 | 11 | 18.0 | 84 | 28.3 | 77 | 17.1 | 0 | 172 |
| Southend | 264 |  |  |  |  |  |  | 0 | 4 | 10.0 | 54 | 45.8 | 4 | 3.8 | 0 | 62 |
| Stevenage | 966 | 0 | 0 | 6 | 0 | 0 | 6 | 5 | 6 | 8.1 | 186 | 36.7 | 1 | 0.3 | 0 | 198 |
| KENT, SURREY \& SUSSEX | 2,199 | 6 | 0 | 6 | 4 | 0 | 16 | 171 | 30 | 19.1 | 282 | 33.2 | 137 | 11.5 | 0 | 620 |
| Brighton | 1,059 | 6 | 0 | 3 | 0 | 0 | 9 | 155 | 11 | 12.6 | 128 | 29.8 | 44 | 8.1 | 0 | 338 |
| Kent | 1,140 | 0 | 0 | 3 | 4 | 0 | 7 | 16 | 19 | 27.1 | 154 | 36.7 | 93 | 14.3 | 0 | 282 |
| LONDON | 14,794 | 4 | 1 | 40 | 11 | 0 | 56 | 358 | 144 | 14.8 | 2,520 | 45.3 | 763 | 9.2 | 0 | 3,785 |
| Carshalton | 1,771 | 3 | 0 | 9 | 2 | 0 | 14 | 163 | 16 | 15.4 | 374 | 44.7 | 42 | 5.1 | 0 | 595 |
| London Barts | 2,660 | 0 | 0 | 4 | 0 | 0 | 4 | 1 | 36 | 14.6 | 502 | 48.4 | 123 | 8.9 | 0 | 662 |
| London Guy's | 2,310 | 1 | 1 | 6 | 6 | 0 | 14 | 60 | 11 | 11.3 | 285 | 42.8 | 240 | 15.5 | 0 | 596 |
| London King's | 1,244 | 0 | 0 | 6 | 2 | 0 | 8 | 33 | 15 | 13.3 | 325 | 53.5 | 122 | 23.3 | 0 | 495 |
| London Royal Free | 2,344 | 0 | 0 | 6 | 1 | 0 | 7 | 46 | 35 | 19.6 | 266 | 35.8 | 98 | 6.9 | 0 | 445 |
| London St George's | 852 | 0 | 0 | 6 | 0 | 0 | 6 | 2 | 5 | 10.0 | 179 | 59.7 | 25 | 5.0 | 0 | 211 |
| London West | 3,613 | 0 | 0 | 3 | 0 | 0 | 3 | 53 | 26 | 14.1 | 589 | 42.7 | 113 | 5.5 | 0 | 781 |
| MIDLANDS EAST | 4,457 | 15 | 0 | 12 | 1 | 0 | 28 | 993 | 62 | 15.2 | 462 | 29.6 | 199 | 8.0 | 0 | 1,716 |
| Derby | 652 | 7 | 0 | 0 | 1 | 0 | 8 | 347 | 21 | 17.5 | 52 | 21.8 | 22 | 7.5 | 0 | 442 |


| Region/renal centre | N RRT patients alive end of 2019 | Number of new COVID-19 cases |  |  |  |  |  | Number of cumulative COVID-19 cases |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | CKD | $\begin{gathered} \mathrm{HT} \\ \text { (HHD+PD) } \end{gathered}$ | ICHD | TPLT | Missing | TOTAL | CKD | HT (HHD+PD) |  | ICHD |  | TPLT |  | Missing | TOTAL |
|  |  |  |  |  |  |  |  |  | N | \% of HT | N | $\begin{aligned} & \% \text { of } \\ & \text { ICHD } \end{aligned}$ | N | $\begin{aligned} & \text { \% of } \\ & \text { TPLT } \end{aligned}$ |  |  |
| Leicester | 2,587 | 8 | 0 | 12 | 0 | 0 | 20 | 480 | 24 | 13.3 | 305 | 31.6 | 112 | 7.8 | 0 | 921 |
| Nottingham | 1,218 |  |  |  |  |  |  | 166 | 17 | 15.9 | 105 | 29.2 | 65 | 8.7 | 0 | 353 |
| MIDLANDS WEST | 6,579 | 11 | 3 | 29 | 9 | 0 | 52 | 782 | 116 | 15.8 | 1,010 | 37.6 | 226 | 7.1 | 0 | 2,134 |
| Birmingham ${ }^{1}$ | 3,308 | 7 | 2 | 12 | 4 | 0 | 25 | 495 | 64 | 19.2 | 588 | 43.9 | 126 | 7.7 | 0 | 1,273 |
| Coventry | 1,076 | 2 | 0 | 6 | 5 | 0 | 13 | 110 | 8 | 7.8 | 101 | 28.5 | 21 | 3.4 | 0 | 240 |
| Dudley | 366 | 1 | 1 | 2 | 0 | 0 | 4 | 4 | 5 | 13.9 | 67 | 30.6 | 11 | 9.9 | 0 | 87 |
| Shrewsbury | 428 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 5 | 6.1 | 35 | 17.2 | 13 | 9.2 | 0 | 55 |
| Stoke | 803 | 0 | 0 | 5 | 0 | 0 | 5 | 65 | 28 | 28.3 | 94 | 35.2 | 41 | 9.4 | 0 | 228 |
| Wolverhampton | 598 | 1 | 0 | 3 | 0 | 0 | 4 | 106 | 6 | 7.4 | 125 | 41.4 | 14 | 6.5 | 0 | 251 |
| NORTH EAST | 2,995 | 7 | 0 | 15 | 5 | 0 | 27 | 94 | 25 | 12.3 | 291 | 28.1 | 116 | 6.6 | 0 | 526 |
| Carlisle | 303 | 0 | 0 | 1 | 1 | 0 | 2 | 9 | 4 | 11.1 | 21 | 18.9 | 8 | 5.1 | 0 | 42 |
| Middlesbrough | 949 | 2 | 0 | 2 | 3 | 0 | 7 | 24 | 6 | 11.8 | 96 | 27.9 | 30 | 5.4 | 0 | 156 |
| Newcastle | 1,175 | 5 | 0 | 5 | 0 | 0 | 10 | 59 | 5 | 6.3 | 95 | 29.1 | 33 | 4.3 | 0 | 192 |
| Sunderland | 568 | 0 | 0 | 7 | 1 | 0 | 8 | 2 | 10 | 26.3 | 79 | 31.3 | 45 | 16.2 | 0 | 136 |
| NORTH WEST | 6,486 | 6 | 0 | 3 | 2 | 0 | 11 | 421 | 76 | 14.4 | 798 | 37.8 | 209 | 5.4 | 0 | 1,504 |
| Liverpool Aintree | 210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 12.9 | 70 | 46.4 | 0 | 0.0 | 0 | 74 |
| Liverpool Royal | 1,227 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1.5 | 155 | 43.7 | 7 | 0.9 | 0 | 163 |
| Manchester Royal | 2,060 |  |  |  |  |  |  | 47 | 25 | 16.3 | 164 | 32.9 | 81 | 5.8 | 0 | 317 |
| Preston | 1,341 |  |  |  |  |  |  | 222 | 14 | 15.4 | 150 | 29.6 | 59 | 7.9 | 0 | 445 |
| Salford | 1,237 | 3 | 0 | 2 | 1 | 0 | 6 | 86 | 30 | 18.6 | 166 | 42.3 | 41 | 6.0 | 0 | 323 |
| Wirral | 411 | 3 | 0 | 0 | 1 | 0 | 4 | 66 | 2 | 8.0 | 93 | 44.9 | 21 | 11.7 | 0 | 182 |
| SOUTH EAST | 4,712 | 9 | 0 | 4 | 1 | 0 | 14 | 248 | 22 | 7.2 | 421 | 31.0 | 128 | 4.2 | 0 | 819 |
| Oxford | 1,969 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 6.1 | 192 | 42.2 | 70 | 4.9 | 0 | 274 |
| Portsmouth | 1,883 | 5 | 0 | 4 | 1 | 0 | 10 | 123 | 15 | 9.5 | 149 | 25.2 | 44 | 3.9 | 0 | 331 |
| Reading | 860 | 4 | 0 | 0 | 0 | 0 | 4 | 118 | 2 | 3.1 | 80 | 25.6 | 14 | 2.9 | 0 | 214 |
| SOUTH WEST | 4,854 | 8 | 0 | 10 | 3 | 0 | 21 | 294 | 20 | 5.9 | 371 | 21.6 | 209 | 7.5 | 0 | 894 |
| Bristol | 1,486 | 8 | 0 | 0 | 3 | 0 | 11 | 282 | 8 | 10.0 | 95 | 20.3 | 122 | 13.0 | 0 | 507 |
| Dorset | 772 | 0 | 0 | 3 | 0 | 0 | 3 | 4 | 5 | 10.4 | 80 | 27.7 | 28 | 6.4 | 0 | 117 |
| Exeter | 1,091 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 2 | 1.9 | 84 | 19.0 | 12 | 2.2 | 0 | 99 |
| Gloucester | 525 | 0 | 0 | 2 | 0 | 0 | 2 | 3 | 3 | 9.4 | 70 | 31.0 | 25 | 9.4 | 0 | 101 |
| Plymouth | 531 | 0 | 0 | 2 | 0 | 0 | 2 | 3 | 2 | 4.1 | 24 | 19.0 | 16 | 4.5 | 0 | 45 |
| Truro | 449 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0.0 | 18 | 10.8 | 6 | 2.3 | 0 | 25 |


| Region/renal centre | N RRT patients alive end of 2019 | Number of new COVID-19 cases |  |  |  |  |  | Number of cumulative COVID-19 cases |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | CKD | $\begin{gathered} \mathrm{HT} \\ (\mathrm{HHD}+\mathrm{PD}) \end{gathered}$ | ICHD | TPLT | Missing | TOTAL | CKD | HT (HHD+PD) |  | ICHD |  | TPLT |  | Missing | TOTAL |
|  |  |  |  |  |  |  |  |  | N | \% of HT | N | $\begin{aligned} & \text { \% of } \\ & \text { ICHD } \end{aligned}$ | N | \% of TPLT |  |  |
| YORKSHIRE \& HUMBER | 5,774 | 9 | 1 | 32 | 7 | 0 | 49 | 471 | 34 | 8.9 | 713 | 34.2 | 342 | 10.4 | 1 | 1,561 |
| Bradford | 733 | 1 | 1 | 8 | 2 | 0 | 12 | 69 | 5 | 12.5 | 124 | 44.3 | 84 | 20.3 | 0 | 282 |
| Doncaster | 342 |  |  |  |  |  |  | 20 | 2 | 6.7 | 38 | 21.0 | 21 | 16.0 | 0 | 81 |
| Hull | 904 | 0 | 0 | 2 | 2 | 0 | 4 | 46 | 9 | 16.1 | 86 | 24.6 | 82 | 16.5 | 0 | 223 |
| Leeds | 1,723 | 2 | 0 | 14 | 1 | 0 | 17 | 154 | 11 | 11.8 | 232 | 42.0 | 79 | 7.3 | 1 | 477 |
| Sheffield | 1,491 | 6 | 0 | 8 | 2 | 0 | 16 | 152 | 4 | 3.4 | 181 | 33.6 | 60 | 7.2 | 0 | 397 |
| York | 581 |  |  |  |  |  |  | 30 | 3 | 6.1 | 52 | 28.3 | 16 | 4.6 | 0 | 101 |
| NORTHERN IRELAND | 1,931 | 1 | 0 | 3 | 4 | 0 | 8 | 97 | 7 | 7.7 | 127 | 22.8 | 168 | 13.1 | 0 | 399 |
| Antrim | 280 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4.3 | 26 | 22.0 | 12 | 8.6 | 0 | 41 |
| Belfast | 890 | 0 | 0 | 2 | 2 | 0 | 4 | 56 | 2 | 6.3 | 38 | 24.2 | 67 | 9.6 | 0 | 163 |
| Newry | 251 | 0 | 0 | 1 | 1 | 0 | 2 | 19 | 1 | 7.7 | 24 | 30.8 | 38 | 23.8 | 0 | 82 |
| Ulster | 182 |  |  |  |  |  |  | 0 | 0 | 0.0 | 6 | 6.2 | 6 | 7.8 | 0 | 12 |
| West NI | 328 | 1 | 0 | 0 | 1 | 0 | 2 | 20 | 3 | 20.0 | 33 | 31.1 | 45 | 21.7 | 0 | 101 |
| WALES | 3,315 | 20 | 1 | 16 | 15 | 0 | 52 | 808 | 43 | 14.6 | 306 | 25.5 | 297 | 16.3 | 0 | 1,454 |
| Bangor | 201 | 0 | 0 | 1 | 0 | 0 | 1 | 40 | 5 | 17.2 | 30 | 45.5 | 24 | 22.6 | 0 | 99 |
| Cardiff | 1,730 | 0 | 0 | 10 | 8 | 0 | 18 | 19 | 7 | 7.2 | 127 | 23.0 | 156 | 14.4 | 0 | 309 |
| Clwyd | 205 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 3 | 20.0 | 17 | 19.8 | 20 | 19.2 | 0 | 40 |
| Swansea | 868 | 20 | 1 | 3 | 2 | 0 | 26 | 749 | 25 | 20.3 | 105 | 27.0 | 63 | 17.7 | 0 | 942 |
| Wrexham | 311 | 0 | 0 | 2 | 3 | 0 | 5 | 0 | 3 | 10.0 | 27 | 25.5 | 34 | 19.4 | 0 | 64 |
| ENGLAND | 57,510 | 75 | 5 | 165 | 46 | 0 | 291 | 3,847 | 562 | 12.9 | 7,403 | 35.6 | 2,480 | 7.7 | 1 | 14,293 |
| NORTHERN IRELAND | 1,931 | 1 | 0 | 3 | 4 | 0 | 8 | 97 | 7 | 7.7 | 127 | 22.8 | 168 | 13.1 | 0 | 399 |
| WALES | 3,315 | 20 | 1 | 16 | 15 | 0 | 52 | 808 | 43 | 14.6 | 306 | 25.5 | 297 | 16.3 | 0 | 1,454 |

${ }^{1}$ Data from University Hospitals Birmingham NHS Foundation Trust (Heartlands Hospital \& Queen Elizabeth Hospital).
Blank cells indicate that the renal centre did not submit data to the UKRR.
CKD - chronic kidney disease (i.e. patients with CKD not on RRT); HHD - home haemodialysis; HT - home therapies; ICHD - in-centre haemodialysis; PD - peritoneal dialysis; RRT - renal replacement therapy; TPLT - transplant; Missing - treatment modality data missing

Table 2 Number of new and cumulative reported deaths within 28 days of laboratory-confirmed COVID-19 in CKD and RRT patients within the last 7 days (Thursday 20 January 2022 to Wednesday 26 January 2022) and from 1 September 2020 to Wednesday 26 January 2022 in adult renal centres in England, Northern Ireland and Wales, by region, renal centre and country

| Region/renal centre | N RRT patients alive end of 2019 | Number of new deaths attributed to COVID-191 |  |  |  |  |  | Number of cumulative deaths attributed to COVID-19¹ |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | CKD | $\begin{gathered} \mathrm{HT} \\ (\mathrm{HHD}+\mathrm{PD}) \end{gathered}$ | ICHD | TPLT | Missing | TOTAL | CKD | HT (HHD+PD) |  | ICHD |  | TPLT |  | Missing | TOTAL |
|  |  |  |  |  |  |  |  |  | N | \% of HT | N | $\begin{aligned} & \text { \% of } \\ & \text { ICHD } \end{aligned}$ | N | $\begin{aligned} & \text { \% of } \\ & \text { TPLT } \end{aligned}$ |  |  |
| EAST OF ENGLAND | 4,660 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 4 | 1.2 | 90 | 5.0 | 18 | 0.7 | 0 | 114 |
| Basildon | 322 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 7 | 3.7 | 0 | 0.0 | 0 | 7 |
| Cambridge | 1,469 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 10 | 3.5 | 8 | 0.7 | 0 | 18 |
| Chelmsford | 261 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 8 | 7.0 | 0 | 0.0 | 0 | 8 |
| Colchester | 145 |  |  |  |  |  |  | 0 | 0 | 0.0 | 12 | 8.3 | 0 | 0.0 | 0 | 12 |
| Ipswich | 424 |  |  |  |  |  |  | 0 | 0 | 0.0 | 7 | 5.0 | 0 | 0.0 | 0 | 7 |
| Norwich | 809 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 3.3 | 17 | 5.7 | 8 | 1.8 | 0 | 27 |
| Southend | 264 |  |  |  |  |  |  | 0 | 1 | 2.5 | 14 | 11.9 | 1 | 0.9 | 0 | 16 |
| Stevenage | 966 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1.4 | 15 | 3.0 | 1 | 0.3 | 0 | 19 |
| KENT, SURREY \& SUSSEX | 2,199 | 1 | 0 | 2 | 0 | 0 | 3 | 51 | 5 | 3.2 | 66 | 7.8 | 11 | 0.9 | 0 | 133 |
| Brighton | 1,059 | 1 | 0 | 2 | 0 | 0 | 3 | 45 | 2 | 2.3 | 26 | 6.0 | 2 | 0.4 | 0 | 75 |
| Kent | 1,140 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 4.3 | 40 | 9.5 | 9 | 1.4 | 0 | 58 |
| LONDON | 14,794 | 1 | 0 | 4 | 1 | 0 | 6 | 88 | 28 | 2.9 | 228 | 4.1 | 62 | 0.8 | 0 | 406 |
| Carshalton | 1,771 | 1 | 0 | 2 | 0 | 0 | 3 | 52 | 2 | 1.9 | 47 | 5.6 | 2 | 0.2 | 0 | 103 |
| London Barts | 2,660 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 6 | 2.4 | 42 | 4.1 | 14 | 1.0 | 0 | 62 |
| London Guy's | 2,310 | 0 | 0 | 1 | 0 | 0 | 1 | 11 | 2 | 2.1 | 26 | 3.9 | 11 | 0.7 | 0 | 50 |
| London King's | 1,244 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0.9 | 16 | 2.6 | 11 | 2.1 | 0 | 31 |
| London Royal Free | 2,344 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 9 | 5.0 | 19 | 2.6 | 5 | 0.4 | 0 | 47 |
| London St George's | 852 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0.0 | 22 | 7.3 | 5 | 1.0 | 0 | 28 |
| London West | 3,613 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 8 | 4.3 | 56 | 4.1 | 14 | 0.7 | 0 | 85 |
| MIDLANDS EAST | 4,457 | 4 | 0 | 0 | 0 | 0 | 4 | 302 | 17 | 4.2 | 54 | 3.5 | 43 | 1.7 | 0 | 416 |
| Derby | 652 | 2 | 0 | 0 | 0 | 0 | 2 | 103 | 8 | 6.7 | 4 | 1.7 | 3 | 1.0 | 0 | 118 |
| Leicester | 2,587 | 2 | 0 | 0 | 0 | 0 | 2 | 150 | 7 | 3.9 | 38 | 3.9 | 28 | 1.9 | 0 | 223 |
| Nottingham | 1,218 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 2 | 1.9 | 12 | 3.3 | 12 | 1.6 | 0 | 75 |
| MIDLANDS WEST | 6,579 | 2 | 1 | 1 | 0 | 0 | 4 | 246 | 22 | 3.0 | 108 | 4.0 | 36 | 1.1 | 0 | 412 |
| Birmingham ${ }^{2}$ | 3,308 | 0 | 1 | 0 | 0 | 0 | 1 | 139 | 15 | 4.5 | 46 | 3.4 | 17 | 1.0 | 0 | 217 |
| Coventry | 1,076 | 1 | 0 | 1 | 0 | 0 | 2 | 43 | 0 | 0.0 | 18 | 5.1 | 3 | 0.5 | 0 | 64 |
| Dudley | 366 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0.0 | 13 | 5.9 | 0 | 0.0 | 0 | 14 |


| Region/renal centre | N RRT patients alive end of 2019 | Number of new deaths attributed to COVID-19¹ |  |  |  |  |  | Number of cumulative deaths attributed to COVID-19 ${ }^{1}$ |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | CKD | $\begin{gathered} \mathrm{HT} \\ \text { (HHD+PD) } \end{gathered}$ | ICHD | TPLT | Missing | TOTAL | CKD | HT (HHD+PD) |  | ICHD |  | TPLT |  | Missing | TOTAL |
|  |  |  |  |  |  |  |  |  | N | \% of HT | N | $\begin{aligned} & \text { \% of } \\ & \text { ICHD } \end{aligned}$ | N | $\begin{aligned} & \text { \% of } \\ & \text { TPLT } \end{aligned}$ |  |  |
| Shrewsbury | 428 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 2 | 1.0 | 1 | 0.7 | 0 | 3 |
| Stoke | 803 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 5 | 5.1 | 18 | 6.7 | 11 | 2.5 | 0 | 59 |
| Wolverhampton | 598 | 1 | 0 | 0 | 0 | 0 | 1 | 38 | 2 | 2.5 | 11 | 3.6 | 4 | 1.9 | 0 | 55 |
| NORTH EAST | 2,995 | 1 | 0 | 0 | 1 | 0 | 2 | 12 | 3 | 1.5 | 32 | 3.1 | 18 | 1.0 | 0 | 65 |
| Carlisle | 303 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2.8 | 4 | 3.6 | 1 | 0.6 | 0 | 7 |
| Middlesbrough | 949 | 1 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 0.0 | 11 | 3.2 | 6 | 1.1 | 0 | 19 |
| Newcastle | 1,175 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 1.3 | 7 | 2.1 | 3 | 0.4 | 0 | 20 |
| Sunderland | 568 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2.6 | 10 | 4.0 | 8 | 2.9 | 0 | 19 |
| NORTH WEST | 6,486 | 2 | 0 | 1 | 0 | 0 | 3 | 139 | 11 | 2.1 | 118 | 5.6 | 27 | 0.7 | 0 | 295 |
| Liverpool Aintree | 210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 9 | 6.0 | 0 | 0.0 | 0 | 9 |
| Liverpool Royal | 1,227 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0.0 | 17 | 4.8 | 0 | 0.0 | 0 | 17 |
| Manchester Royal | 2,060 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 5 | 3.3 | 31 | 6.2 | 7 | 0.5 | 0 | 52 |
| Preston | 1,341 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 1 | 1.1 | 25 | 4.9 | 9 | 1.2 | 0 | 121 |
| Salford | 1,237 | 1 | 0 | 0 | 0 | 0 | 1 | 22 | 4 | 2.5 | 14 | 3.6 | 9 | 1.3 | 0 | 49 |
| Wirral | 411 | 1 | 0 | 0 | 0 | 0 | 1 | 22 | 1 | 4.0 | 22 | 10.6 | 2 | 1.1 | 0 | 47 |
| SOUTH EAST | 4,712 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 0.0 | 53 | 3.9 | 10 | 0.3 | 0 | 110 |
| Oxford | 1,969 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0.0 | 23 | 5.1 | 5 | 0.3 | 0 | 31 |
| Portsmouth | 1,883 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0.0 | 18 | 3.0 | 4 | 0.4 | 0 | 40 |
| Reading | 860 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0.0 | 12 | 3.8 | 1 | 0.2 | 0 | 39 |
| SOUTH WEST | 4,854 | 0 | 0 | 1 | 0 | 0 | 1 | 73 | 3 | 0.9 | 47 | 2.7 | 21 | 0.8 | 0 | 144 |
| Bristol | 1,486 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 0.0 | 13 | 2.8 | 11 | 1.2 | 0 | 94 |
| Dorset | 772 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2.1 | 10 | 3.5 | 3 | 0.7 | 0 | 15 |
| Exeter | 1,091 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.0 | 11 | 2.5 | 0 | 0.0 | 0 | 12 |
| Gloucester | 525 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 3.1 | 10 | 4.4 | 4 | 1.5 | 0 | 17 |
| Plymouth | 531 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 2 | 1.6 | 1 | 0.3 | 0 | 3 |
| Truro | 449 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1 | 0.6 | 2 | 0.8 | 0 | 3 |
| YORKSHIRE \& HUMBER | 5,774 | 1 | 0 | 2 | 0 | 0 | 3 | 146 | 4 | 1.0 | 85 | 4.1 | 52 | 1.6 | 1 | 288 |
| Bradford | 733 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0.0 | 14 | 5.0 | 5 | 1.2 | 0 | 41 |
| Doncaster | 342 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0.0 | 10 | 5.5 | 6 | 4.6 | 0 | 23 |
| Hull | 904 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 1 | 1.8 | 15 | 4.3 | 6 | 1.2 | 0 | 44 |
| Leeds | 1,723 | 0 | 0 | 1 | 0 | 0 | 1 | 53 | 2 | 2.2 | 18 | 3.3 | 21 | 1.9 | 1 | 95 |
| Sheffield | 1,491 | 1 | 0 | 0 | 0 | 0 | 1 | 32 | 1 | 0.9 | 17 | 3.2 | 13 | 1.6 | 0 | 63 |
| York | 581 | 0 | 0 | 1 | 0 | 0 | 1 | 10 | 0 | 0.0 | 11 | 6.0 | 1 | 0.3 | 0 | 22 |


| Region/renal centre | N RRT patients alive end of 2019 | Number of new deaths attributed to COVID-19¹ |  |  |  |  |  | Number of cumulative deaths attributed to COVID-191 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | CKD | $\begin{gathered} \mathrm{HT} \\ (\mathrm{HHD}+\mathrm{PD}) \end{gathered}$ | ICHD | TPLT | Missing | TOTAL | CKD | HT (HHD+PD) |  | ICHD |  | TPLT |  | Missing | TOTAL |
|  |  |  |  |  |  |  |  |  | N | \% of HT | N | $\begin{aligned} & \text { \% of } \\ & \text { ICHD } \end{aligned}$ | N | \% of TPLT |  |  |
| NORTHERN IRELAND | 1,931 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 1 | 1.1 | 9 | 1.6 | 12 | 0.9 | 0 | 30 |
| Antrim | 280 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 3 | 2.5 | 1 | 0.7 | 0 | 4 |
| Belfast | 890 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0.0 | 1 | 0.6 | 4 | 0.6 | 0 | 7 |
| Newry | 251 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 7.7 | 3 | 3.8 | 3 | 1.9 | 0 | 10 |
| Ulster | 182 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1 | 1.0 | 1 | 1.3 | 0 | 2 |
| West NI | 328 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0.0 | 1 | 0.9 | 3 | 1.4 | 0 | 7 |
| WALES | 3,315 | 0 | 0 | 0 | 0 | 0 | 0 | 182 | 8 | 2.7 | 47 | 3.9 | 11 | 0.6 | 0 | 248 |
| Bangor | 201 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0.0 | 5 | 7.6 | 1 | 0.9 | 0 | 15 |
| Cardiff | 1,730 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 2.1 | 17 | 3.1 | 5 | 0.5 | 0 | 28 |
| Clwyd | 205 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6.7 | 1 | 1.2 | 1 | 1.0 | 0 | 3 |
| Swansea | 868 | 0 | 0 | 0 | 0 | 0 | 0 | 169 | 5 | 4.1 | 17 | 4.4 | 3 | 0.8 | 0 | 194 |
| Wrexham | 311 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 7 | 6.6 | 1 | 0.6 | 0 | 8 |
| ENGLAND | 57,510 | 12 | 1 | 11 | 3 | 0 | 27 | 1,106 | 97 | 2.2 | 881 | 4.2 | 298 | 0.9 | 1 | 2,383 |
| NORTHERN IRELAND | 1,931 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 1 | 1.1 | 9 | 1.6 | 12 | 0.9 | 0 | 30 |
| WALES | 3,315 | 0 | 0 | 0 | 0 | 0 | 0 | 182 | 8 | 2.7 | 47 | 3.9 | 11 | 0.6 | 0 | 248 |

${ }^{1}$ Numbers of deaths attributed to COVID-19 are lower than in reports prior to 26 August 2020 because the updated definition restricts a COVID-19 death to one that occurred within 28 days
of a positive test.
${ }^{2}$ Data from University Hospitals Birmingham NHS Foundation Trust (Heartlands Hospital \& Queen Elizabeth Hospital).
The delay between the NHS tracing process and producing this report may result in a possible underestimation of the number of deaths.
Blank cells indicate that the renal centre did not submit data to the UKRR.
CKD - chronic kidney disease (i.e. patients with CKD not on RRT); HHD - home haemodialysis; HT - home therapies; ICHD - in-centre haemodialysis; PD - peritoneal dialysis; RRT - renal replacement therapy; TPLT - transplant; Missing - treatment modality data missing

Table 3 Number of new reported laboratory-confirmed COVID-19 cases in CKD and RRT patients within the last 10 weeks in adult renal centres in England, Northern Ireland and Wales, by region, renal centre and country

| Region/renal centre | N RRT patients alive end of 2019 | Number of new COVID-19 cases in CKD and RRT patients |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 18-24 Nov | $\begin{gathered} 25 \text { Nov-1 } \\ \text { Dec } \end{gathered}$ | 2-8 Dec | 9-15 Dec | 16-22 Dec | 23-29 Dec | 30 Dec-5 Jan | 6-12 Jan | 13-19 Jan | 20-26 Jan² |
| EAST OF ENGLAND | 4,660 | 8 | 5 | 14 | 14 | 32 | 53 | 41 | 32 | 15 | 17 |
| Basildon | 322 | 0 | 0 | 3 | 0 | 8 | 2 | 4 | 2 | 0 | 3 |
| Cambridge | 1,469 | 4 | 2 | 5 | 5 | 6 | 8 | 8 | 4 | 4 | 4 |
| Chelmsford | 261 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 3 | 0 | 0 |
| Colchester | 145 |  |  |  |  |  |  |  |  |  |  |
| Ipswich | 424 |  |  |  |  |  |  |  |  |  |  |
| Norwich | 809 | 2 | 2 | 1 | 5 | 7 | 13 | 16 | 5 | 7 | 4 |
| Southend | 264 | 0 | 0 | 0 |  |  |  |  |  |  |  |
| Stevenage | 966 | 2 | 1 | 5 | 3 | 9 | 30 | 12 | 18 | 4 | 6 |
| KENT, SURREY \& SUSSEX | 2,199 | 3 | 20 | 5 | 12 | 12 | 37 | 30 | 30 | 13 | 16 |
| Brighton | 1,059 | 2 | 14 | 4 | 7 | 6 | 22 | 14 | 17 | 2 | 9 |
| Kent | 1,140 | 1 | 6 | 1 | 5 | 6 | 15 | 16 | 13 | 11 | 7 |
| LONDON | 14,794 | 24 | 30 | 55 | 98 | 223 | 346 | 310 | 179 | 135 | 56 |
| Carshalton | 1,771 | 1 | 3 | 5 | 16 | 31 | 48 | 45 | 35 | 19 | 14 |
| London Barts | 2,660 | 2 | 4 | 13 | 15 | 42 | 36 | 46 | 41 | 19 | 4 |
| London Guy's | 2,310 | 3 | 5 | 6 | 23 | 44 | 68 | 46 | 23 | 20 | 14 |
| London King's | 1,244 | 6 | 6 | 10 | 12 | 25 | 58 | 46 | 19 | 14 | 8 |
| London Royal Free | 2,344 | 3 | 1 | 7 | 12 | 24 | 29 | 34 | 23 | 27 | 7 |
| London St George's | 852 | 1 | 0 | 5 | 5 | 15 | 31 | 20 | 7 | 4 | 6 |
| London West | 3,613 | 8 | 11 | 9 | 15 | 42 | 76 | 73 | 31 | 32 | 3 |
| MIDLANDS EAST | 4,457 | 20 | 16 | 16 | 21 | 21 | 49 | 61 | 67 | 56 | 28 |
| Derby | 652 | 4 | 5 | 5 | 6 | 3 | 10 | 16 | 25 | 14 | 8 |
| Leicester | 2,587 | 12 | 11 | 8 | 9 | 16 | 25 | 36 | 40 | 39 | 20 |
| Nottingham | 1,218 | 4 | 0 | 3 | 6 | 2 | 14 | 9 | 2 | 3 |  |
| MIDLANDS WEST | 6,579 | 23 | 21 | 23 | 22 | 35 | 102 | 142 | 96 | 95 | 52 |
| Birmingham ${ }^{1}$ | 3,308 | 17 | 12 | 14 | 16 | 21 | 66 | 84 | 58 | 46 | 25 |
| Coventry | 1,076 | 0 | 1 | 0 | 0 | 3 | 12 | 18 | 10 | 16 | 13 |
| Dudley | 366 | 0 | 1 | 1 | 0 | 0 | 3 | 2 | 7 | 4 | 4 |
| Shrewsbury | 428 | 3 | 3 | 2 | 1 | 2 | 3 | 8 | 3 | 6 | 1 |
| Stoke | 803 | 1 | 2 | 3 | 3 | 3 | 5 | 13 | 7 | 5 | 5 |


| Region/renal centre | N RRT patients alive end of 2019 | Number of new COVID-19 cases in CKD and RRT patients |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 18-24 Nov | $\begin{gathered} 25 \text { Nov-1 } \\ \text { Dec } \end{gathered}$ | 2-8 Dec | 9-15 Dec | 16-22 Dec | 23-29 Dec | 30 Dec-5 Jan | 6-12 Jan | 13-19 Jan | 20-26 Jan² |
| Wolverhampton | 598 | 2 | 2 | 3 | 2 | 6 | 13 | 17 | 11 | 18 | 4 |
| NORTH EAST | 2,995 | 2 | 1 | 7 | 4 | 2 | 4 | 40 | 49 | 30 | 27 |
| Carlisle | 303 | 1 | 0 | 0 | 1 | 1 | 1 | 9 | 3 | 1 | 2 |
| Middlesbrough | 949 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 13 | 7 | 7 |
| Newcastle | 1,175 | 1 | 0 | 7 | 3 | 1 | 0 | 10 | 16 | 14 | 10 |
| Sunderland | 568 | 0 | 1 | 0 | 0 | 0 | 3 | 15 | 17 | 8 | 8 |
| NORTH WEST | 6,486 | 8 | 7 | 11 | 21 | 42 | 78 | 127 | 75 | 26 | 11 |
| Liverpool Aintree | 210 | 0 | 1 | 1 | 4 | 1 | 0 | 6 | 5 | 2 | 0 |
| Liverpool Royal | 1,227 | 2 | 0 | 2 | 4 | 0 | 11 | 19 | 5 | 9 | 1 |
| Manchester Royal | 2,060 | 1 | 3 | 2 | 6 | 15 | 23 | 36 | 19 |  |  |
| Preston | 1,341 | 0 | 0 | 1 | 3 | 12 | 26 | 41 | 23 | 0 |  |
| Salford | 1,237 | 4 | 3 | 4 | 3 | 11 | 15 | 16 | 18 | 9 | 6 |
| Wirral | 411 | 1 | 0 | 1 | 1 | 3 | 3 | 9 | 5 | 6 | 4 |
| SOUTH EAST | 4,712 | 16 | 7 | 12 | 9 | 11 | 24 | 31 | 26 | 25 | 14 |
| Oxford | 1,969 | 6 | 1 | 6 | 4 | 1 | 14 | 6 | 13 | 8 | 0 |
| Portsmouth | 1,883 | 7 | 3 | 5 | 5 | 9 | 9 | 10 | 8 | 9 | 10 |
| Reading | 860 | 3 | 3 | 1 | 0 | 1 | 1 | 15 | 5 | 8 | 4 |
| SOUTH WEST | 4,854 | 9 | 17 | 10 | 21 | 16 | 34 | 31 | 12 | 29 | 21 |
| Bristol | 1,486 | 6 | 7 | 5 | 11 | 5 | 15 | 13 | 4 | 20 | 11 |
| Dorset | 772 | 0 | 3 | 0 | 2 | 1 | 4 | 6 | 7 | 3 | 3 |
| Exeter | 1,091 | 0 | 2 | 1 | 1 | 1 | 6 | 2 | 0 | 2 | 2 |
| Gloucester | 525 | 3 | 3 | 4 | 3 | 4 | 7 | 6 | 0 | 4 | 2 |
| Plymouth | 531 | 0 | 2 | 0 | 1 | 1 | 2 | 1 | 1 | 0 | 2 |
| Truro | 449 | 0 | 0 | 0 | 3 | 4 | 0 | 3 | 0 | 0 | 1 |
| YORKSHIRE \& HUMBER | 5,774 | 15 | 13 | 10 | 11 | 24 | 67 | 78 | 80 | 73 | 49 |
| Bradford | 733 | 6 | 3 | 1 | 0 | 0 | 12 | 17 | 18 | 12 | 12 |
| Doncaster | 342 | 1 | 1 | 1 | 2 | 0 | 0 | 6 | 2 | 2 |  |
| Hull | 904 | 2 | 2 | 3 | 1 | 6 | 10 | 16 | 3 | 4 | 4 |
| Leeds | 1,723 | 1 | 4 | 3 | 5 | 11 | 26 | 24 | 29 | 21 | 17 |
| Sheffield | 1,491 | 3 | 2 | 2 | 2 | 4 | 16 | 10 | 21 | 33 | 16 |
| York | 581 | 2 | 1 | 0 | 1 | 3 | 3 | 5 | 7 | 1 |  |
| NORTHERN IRELAND | 1,931 | 4 | 4 | 5 | 4 | 5 | 12 | 27 | 22 | 13 | 8 |
| Antrim | 280 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 4 | 0 |
| Belfast | 890 | 0 | 2 | 3 | 3 | 1 | 7 | 12 | 6 | 4 | 4 |


| Region/renal centre | N RRT patients alive end of 2019 | Number of new COVID-19 cases in CKD and RRT patients |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 18-24 Nov | $\begin{gathered} 25 \text { Nov-1 } \\ \text { Dec } \end{gathered}$ | 2-8 Dec | 9-15 Dec | 16-22 Dec | 23-29 Dec | 30 Dec-5 Jan | 6-12 Jan | 13-19 Jan | 20-26 Jan ${ }^{2}$ |
| Newry | 251 | 1 | 1 | 2 | 0 | 1 | 0 | 6 | 6 | 2 | 2 |
| Ulster | 182 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |  |  |
| West NI | 328 | 3 | 1 | 0 | 0 | 3 | 5 | 9 | 6 | 3 | 2 |
| WALES | 3,315 | 20 | 22 | 18 | 24 | 33 | 75 | 114 | 63 | 43 | 52 |
| Bangor | 201 | 3 | 3 | 2 | 2 | 5 | 6 | 8 | 5 | 3 | 1 |
| Cardiff | 1,730 | 3 | 4 | 3 | 9 | 7 | 30 | 30 | 19 | 11 | 18 |
| Clwyd | 205 | 2 | 1 | 0 | 0 | 2 | 5 | 7 | 2 | 0 | 2 |
| Swansea | 868 | 10 | 14 | 13 | 10 | 18 | 33 | 63 | 35 | 28 | 26 |
| Wrexham | 311 | 2 | 0 | 0 | 3 | 1 | 1 | 6 | 2 | 1 | 5 |
| ENGLAND | 57,510 | 128 | 137 | 163 | 233 | 418 | 794 | 891 | 646 | 497 | 291 |
| NORTHERN IRELAND | 1,931 | 4 | 4 | 5 | 4 | 5 | 12 | 27 | 22 | 13 | 8 |
| WALES | 3,315 | 20 | 22 | 18 | 24 | 33 | 75 | 114 | 63 | 43 | 52 |

${ }^{1}$ Data from University Hospitals Birmingham NHS Foundation Trust (Heartlands Hospital \& Queen Elizabeth Hospital).
${ }^{2}$ The number of cases reported in the most recent week is likely to be an underestimation, because of the lag in reporting to the UKRR.
Blank cells indicate that the renal centre did not submit data to the UKRR.
CKD - chronic kidney disease (i.e. patients with CKD not on RRT); HHD - home haemodialysis; HT - home therapies; ICHD - in-centre haemodialysis; PD - peritoneal dialysis; RRT - renal replacement therapy; TPLT - transplant; Missing - treatment modality data missing

Table 4 Number of new reported deaths within 28 days of laboratory-confirmed COVID-19 in CKD and RRT patients within the last 10 weeks in adult renal centres in England, Northern Ireland and Wales, by region, renal centre and country

| Region/renal centre | N RRT patients alive end of 2019 | Number of new deaths attributed to COVID-19 in CKD and RRT patients |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 18-24 Nov | $\begin{gathered} 25 \text { Nov-1 } \\ \text { Dec } \end{gathered}$ | 2-8 Dec | 9-15 Dec | 16-22 Dec | 23-29 Dec | 30 Dec-5 Jan | 6-12 Jan | 13-19 Jan | 20-26 Jan² |
| EAST OF ENGLAND | 4,660 | 0 | 2 | 2 | 0 | 1 | 0 | 2 | 2 | 0 | 1 |
| Basildon | 322 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| Cambridge | 1,469 | 0 | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Chelmsford | 261 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colchester | 145 |  |  |  |  |  |  |  |  |  |  |
| Ipswich | 424 |  |  |  |  |  |  |  |  |  |  |
| Norwich | 809 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Southend | 264 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |
| Stevenage | 966 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| KENT, SURREY \& SUSSEX | 2,199 | 1 | 0 | 3 | 3 | 1 | 0 | 3 | 5 | 0 | 3 |
| Brighton | 1,059 | 1 | 0 | 3 | 1 | 1 | 0 | 2 | 5 | 0 | 3 |
| Kent | 1,140 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 |
| LONDON | 14,794 | 5 | 1 | 4 | 0 | 2 | 5 | 7 | 6 | 12 | 6 |
| Carshalton | 1,771 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 2 | 3 |
| London Barts | 2,660 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| London Guy's | 2,310 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 1 |
| London King's | 1,244 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 |
| London Royal Free | 2,344 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 0 |
| London St George's | 852 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| London West | 3,613 | 2 | 1 | 2 | 0 | 1 | 1 | 3 | 2 | 2 | 0 |
| MIDLANDS EAST | 4,457 | 3 | 3 | 3 | 2 | 10 | 3 | 4 | 4 | 4 | 4 |
| Derby | 652 | 1 | 1 | 2 | 0 | 5 | 1 | 1 | 1 | 1 | 2 |
| Leicester | 2,587 | 1 | 2 | 1 | 2 | 5 | 1 | 1 | 3 | 3 | 2 |
| Nottingham | 1,218 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 |
| MIDLANDS WEST | 6,579 | 1 | 1 | 6 | 2 | 3 | 3 | 4 | 11 | 8 | 4 |
| Birmingham ${ }^{1}$ | 3,308 | 0 | 0 | 3 | 1 | 2 | 3 | 2 | 3 | 3 | 1 |
| Coventry | 1,076 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 2 |
| Dudley | 366 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |


| Region/renal centre | N RRT patients alive end of 2019 | Number of new deaths attributed to COVID-19 in CKD and RRT patients |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 18-24 Nov | $\begin{gathered} 25 \text { Nov-1 } \\ \text { Dec } \end{gathered}$ | 2-8 Dec | 9-15 Dec | 16-22 Dec | 23-29 Dec | 30 Dec-5 Jan | 6-12 Jan | 13-19 Jan | 20-26 Jan² |
| Shrewsbury | 428 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stoke | 803 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Wolverhampton | 598 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 4 | 2 | 1 |
| NORTH EAST | 2,995 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 |
| Carlisle | 303 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middlesbrough | 949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Newcastle | 1,175 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Sunderland | 568 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| NORTH WEST | 6,486 | 0 | 1 | 0 | 0 | 2 | 5 | 2 | 6 | 3 | 3 |
| Liverpool Aintree | 210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Liverpool Royal | 1,227 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Manchester Royal | 2,060 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 0 |
| Preston | 1,341 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 0 |
| Salford | 1,237 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 |
| Wirral | 411 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 |
| SOUTH EAST | 4,712 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 2 | 0 |
| Oxford | 1,969 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Portsmouth | 1,883 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reading | 860 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| SOUTH WEST | 4,854 | 4 | 5 | 1 | 1 | 2 | 1 | 3 | 3 | 1 | 1 |
| Bristol | 1,486 | 2 | 3 | 1 | 0 | 1 | 1 | 1 | 2 | 0 | 0 |
| Dorset | 772 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exeter | 1,091 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gloucester | 525 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 1 | 1 |
| Plymouth | 531 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Truro | 449 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| YORKSHIRE \& HUMBER | 5,774 | 2 | 1 | 3 | 3 | 3 | 3 | 4 | 6 | 1 | 3 |
| Bradford | 733 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 |
| Doncaster | 342 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hull | 904 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| Leeds | 1,723 | 1 | 0 | 1 | 0 | 1 | 1 | 2 | 3 | 1 | 1 |
| Sheffield | 1,491 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| York | 581 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 |


| Region/renal centre | N RRT patients alive end of 2019 | Number of new deaths attributed to COVID-19 in CKD and RRT patients |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 18-24 Nov | $\begin{gathered} 25 \text { Nov-1 } \\ \text { Dec } \end{gathered}$ | 2-8 Dec | 9-15 Dec | 16-22 Dec | 23-29 Dec | 30 Dec-5 Jan | 6-12 Jan | 13-19 Jan | 20-26 Jan² |
| NORTHERN IRELAND | 1,931 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Antrim | 280 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Belfast | 890 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Newry | 251 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ulster | 182 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West NI | 328 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WALES | 3,315 | 5 | 0 | 6 | 4 | 3 | 6 | 5 | 4 | 9 | 0 |
| Bangor | 201 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Cardiff | 1,730 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 0 |
| Clwyd | 205 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Swansea | 868 | 4 | 0 | 5 | 3 | 3 | 5 | 3 | 2 | 7 | 0 |
| Wrexham | 311 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ENGLAND | 57,510 | 17 | 15 | 24 | 12 | 26 | 20 | 29 | 44 | 31 | 27 |
| NORTHERN IRELAND | 1,931 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WALES | 3,315 | 5 | 0 | 6 | 4 | 3 | 6 | 5 | 4 | 9 | 0 |

${ }^{1}$ Data from University Hospitals Birmingham NHS Foundation Trust (Heartlands Hospital \& Queen Elizabeth Hospital).
${ }^{2}$ The number of cases reported in the most recent week is likely to be an underestimation, because of the lag in reporting deaths to the UKRR and the delay in tracing deaths.
CKD - chronic kidney disease (i.e. patients with CKD not on RRT); HHD - home haemodialysis; HT - home therapies; ICHD - in-centre haemodialysis; PD - peritoneal dialysis; RRT - renal replacement therapy; TPLT - transplant; Missing - treatment modality data missing

## UK KIDNEY ASSOCIATION COVID-19 GUIDELINES

You can access the most recent UK Kidney Association guidelines on the care of patients with kidney disease during the COVID-19 pandemic by clicking on the link below:
https://ukkidney.org/health-professionals/covid-19

