Supplementary materials

Genomic epidemiology of COVID-19 in care homes in the East of England

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# Breakdown of organisations submitting samples to the Cambridge Clinical Microbiology and Public Health Laboratory over the study period

|  |  |
| --- | --- |
| **Submitting site** | **Number of positive cases** |
| Southend University Hospital | 888 |
| Luton and Dunstable University Hospital | 691 |
| Bedford Hospital | 668 |
| Watford General Hospital | 633 |
| PHE East of England HPT | 513 |
| Addenbrooke's Hospital | 512 |
| Lister Hospital | 506 |
| Colchester Hospital | 441 |
| Ipswich Hospital | 420 |
| Broomfield Hospital | 327 |
| West Suffolk Hospital | 199 |
| Basildon University Hospital | 196 |
| Herts Urgent Care Ltd | 97 |
| Princess Alexandra Hospital | 86 |
| Royal Papworth Hospital | 71 |
| Hinchingbrooke Hospital | 67 |
| Commisceo Primary Care Solutions | 63 |
| Peterborough City Hospital | 58 |
| Milton Keynes Hospital | 53 |
| EEAST COVID-19 Coordination Centre | 32 |
| PHL London | 19 |
| Norfolk and Norwich University Hospital | 17 |
| Unknown | 11 |
| Other | 32 |
| **Total** | **6600** |

To maintain patient anonymity, sites that submitted samples from <10 people with positive test results are not shown and are counted as “Other”. Note that over the course of the study, some sites changed testing provider from CMPHL as further testing sites became available around the region. This explains some of the variation in the relative proportion of cases submitted from each site. The numbers reported here do not necessarily reflect total case numbers for each hospital or submitting organisation, as tests may have been performed elsewhere or metadata not collected in this study; the numbers are included purely to indicate where the samples included in this study originated from. CMPHL = Clinical Microbiology and Public Health Laboratory.

# Demonstration of *transcluster* algorithm with anonymised data

Code to reproduce the *transcluster* transmission analysis using anonymised metadata is available via GitHub at: <https://github.com/gtonkinhill/SC2-care-homes-anonymised>. The genomes are the same as those used in the study, but sample names in the genetic distance matrix and corresponding metadata have been changed from COG-UK sequence codes to anonymised sample codes. The metadata (sampling dates) has been altered from the original patient data but in a way that preserves the date-differences between samples within care homes, thus yielding an identical *transcluster* analysis.

Sequences generated through the COG-UK consortium have associated public metadata (available via the COG-UK website or GISAID), including patient age, sex, collection date (if available), and location to the level of UK county. COG-UK samples are sequenced under statutory powers granted to the UK Public Health Agencies. Matched patient data is securely released to the COG-UK consortium under a data sharing framework which strictly controls the handling of patient data. The status of individuals living in a care home and groups of such care home patients are both on the consortium restricted data list. This means that this data cannot be publicly released linked to their sequencing identifiers (eg. COG-UK sequence codes). This is because of the risk of deductive disclosure, potentially compromising study participant anonymity. However, the anonymised dataset released on GitHub can be used to fully replicate the *transcluster* analyses from the study without requiring public release of sample COG-UK codes linked to information on care home residency.

If a researcher requires access to restricted metadata (including care home residency status) linked to the COG-UK sequence codes, then this will require a formal data sharing agreement with the COG-UK Consortium. Access to patient outcome information for patients treated at Cambridge University Hospitals NHS Foundation Trust (CUH) requires a data sharing agreement with CUH. Data will only be shared for public health and research purposes, not for commercial enterprise, and only to individuals working at reputable research and public health institutions for which data security can be assured. Should this be required researchers should contact the study corresponding authors in the first instance.Sampling date ranges for care home residents with genomic data: by care home

Table shows anonymised care home codes for the 292 care homes from 700 care home residents with genomic data. “Number of residents” shows the number of residents with genomic data for each care home. The date of the first and last samples collected from each care home and the date difference in days between these samples is shown. If there was only 1 sample from the care home, and/or all cases were from the same date, then “first sample date” and “last sample date” are the same. Collection date was used for sample dates; if collection date was missing then receive date in the laboratory was used instead. 170 / 292 (58%) care homes had 2 or more cases with genomic data, including 578 care home residents. Of these, the median date difference from first to last sampling dates was 9 days (interquartile range: 4 – 15; range: 0 – 50).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Care home code** | **Number of residents** | **First sample date** | **Last sample date** | **Date difference (days)** |
| CARE0001 | 2 | 11/03/2020 | 17/03/2020 | 6 |
| CARE0002 | 2 | 12/03/2020 | 14/03/2020 | 2 |
| CARE0004 | 2 | 13/03/2020 | 13/03/2020 | 0 |
| CARE0005 | 2 | 16/03/2020 | 30/04/2020 | 45 |
| CARE0006 | 2 | 14/03/2020 | 16/03/2020 | 2 |
| CARE0007 | 1 | 18/03/2020 | 18/03/2020 | 0 |
| CARE0008 | 2 | 16/03/2020 | 05/04/2020 | 20 |
| CARE0010 | 2 | 19/03/2020 | 20/03/2020 | 1 |
| CARE0011 | 5 | 19/03/2020 | 31/03/2020 | 12 |
| CARE0012 | 4 | 20/03/2020 | 05/04/2020 | 16 |
| CARE0014 | 4 | 20/03/2020 | 09/05/2020 | 50 |
| CARE0015 | 2 | 20/03/2020 | 20/04/2020 | 31 |
| CARE0016 | 1 | 22/03/2020 | 22/03/2020 | 0 |
| CARE0017 | 2 | 21/03/2020 | 05/04/2020 | 15 |
| CARE0018 | 2 | 21/03/2020 | 06/04/2020 | 16 |
| CARE0019 | 1 | 21/03/2020 | 21/03/2020 | 0 |
| CARE0020 | 2 | 21/03/2020 | 31/03/2020 | 10 |
| CARE0021 | 2 | 21/03/2020 | 30/03/2020 | 9 |
| CARE0022 | 1 | 23/03/2020 | 23/03/2020 | 0 |
| CARE0023 | 2 | 22/03/2020 | 07/04/2020 | 16 |
| CARE0024 | 3 | 22/03/2020 | 20/04/2020 | 29 |
| CARE0025 | 2 | 23/03/2020 | 03/04/2020 | 11 |
| CARE0026 | 3 | 23/03/2020 | 02/04/2020 | 10 |
| CARE0027 | 1 | 02/04/2020 | 02/04/2020 | 0 |
| CARE0028 | 6 | 29/03/2020 | 06/04/2020 | 8 |
| CARE0029 | 4 | 05/04/2020 | 13/04/2020 | 8 |
| CARE0030 | 2 | 26/03/2020 | 27/04/2020 | 32 |
| CARE0031 | 1 | 09/04/2020 | 09/04/2020 | 0 |
| CARE0032 | 7 | 01/04/2020 | 10/05/2020 | 39 |
| CARE0033 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0034 | 1 | 26/03/2020 | 26/03/2020 | 0 |
| CARE0036 | 6 | 03/04/2020 | 01/05/2020 | 28 |
| CARE0037 | 1 | 30/03/2020 | 30/03/2020 | 0 |
| CARE0038 | 2 | 04/04/2020 | 06/04/2020 | 2 |
| CARE0039 | 1 | 06/05/2020 | 06/05/2020 | 0 |
| CARE0040 | 1 | 27/03/2020 | 27/03/2020 | 0 |
| CARE0042 | 1 | 10/04/2020 | 10/04/2020 | 0 |
| CARE0043 | 3 | 09/04/2020 | 11/04/2020 | 2 |
| CARE0046 | 2 | 18/04/2020 | 07/05/2020 | 19 |
| CARE0047 | 5 | 02/04/2020 | 07/05/2020 | 35 |
| CARE0048 | 1 | 27/03/2020 | 27/03/2020 | 0 |
| CARE0049 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0051 | 2 | 10/04/2020 | 21/04/2020 | 11 |
| CARE0054 | 4 | 05/04/2020 | 02/05/2020 | 27 |
| CARE0055 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0056 | 1 | 29/03/2020 | 29/03/2020 | 0 |
| CARE0057 | 5 | 29/03/2020 | 12/04/2020 | 14 |
| CARE0058 | 2 | 28/03/2020 | 27/04/2020 | 30 |
| CARE0059 | 1 | 28/03/2020 | 28/03/2020 | 0 |
| CARE0060 | 2 | 29/03/2020 | 21/04/2020 | 23 |
| CARE0061 | 10 | 29/03/2020 | 06/05/2020 | 38 |
| CARE0062 | 2 | 30/03/2020 | 29/04/2020 | 30 |
| CARE0063 | 12 | 30/03/2020 | 20/04/2020 | 21 |
| CARE0064 | 1 | 29/03/2020 | 29/03/2020 | 0 |
| CARE0065 | 1 | 29/03/2020 | 29/03/2020 | 0 |
| CARE0066 | 6 | 29/03/2020 | 08/04/2020 | 10 |
| CARE0067 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0068 | 4 | 31/03/2020 | 09/05/2020 | 39 |
| CARE0069 | 3 | 30/03/2020 | 07/04/2020 | 8 |
| CARE0070 | 1 | 29/03/2020 | 29/03/2020 | 0 |
| CARE0071 | 1 | 30/03/2020 | 30/03/2020 | 0 |
| CARE0073 | 3 | 30/03/2020 | 20/04/2020 | 21 |
| CARE0074 | 2 | 31/03/2020 | 08/04/2020 | 8 |
| CARE0075 | 2 | 30/03/2020 | 06/04/2020 | 7 |
| CARE0076 | 4 | 30/03/2020 | 12/04/2020 | 13 |
| CARE0077 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0078 | 2 | 12/04/2020 | 06/05/2020 | 24 |
| CARE0079 | 2 | 12/04/2020 | 13/04/2020 | 1 |
| CARE0080 | 3 | 31/03/2020 | 04/04/2020 | 4 |
| CARE0081 | 2 | 31/03/2020 | 11/04/2020 | 11 |
| CARE0082 | 2 | 31/03/2020 | 21/04/2020 | 21 |
| CARE0083 | 2 | 31/03/2020 | 06/05/2020 | 36 |
| CARE0084 | 2 | 01/04/2020 | 10/04/2020 | 9 |
| CARE0085 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0086 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0087 | 1 | 30/03/2020 | 30/03/2020 | 0 |
| CARE0088 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0089 | 1 | 02/04/2020 | 02/04/2020 | 0 |
| CARE0090 | 1 | 01/04/2020 | 01/04/2020 | 0 |
| CARE0091 | 5 | 02/04/2020 | 16/04/2020 | 14 |
| CARE0092 | 5 | 01/04/2020 | 22/04/2020 | 21 |
| CARE0093 | 4 | 01/04/2020 | 14/04/2020 | 13 |
| CARE0094 | 2 | 02/04/2020 | 16/04/2020 | 14 |
| CARE0095 | 2 | 01/04/2020 | 08/04/2020 | 7 |
| CARE0096 | 2 | 02/04/2020 | 13/04/2020 | 11 |
| CARE0097 | 7 | 03/04/2020 | 01/05/2020 | 28 |
| CARE0098 | 3 | 02/04/2020 | 06/04/2020 | 4 |
| CARE0099 | 2 | 03/04/2020 | 16/04/2020 | 13 |
| CARE0100 | 2 | 01/04/2020 | 02/04/2020 | 1 |
| CARE0101 | 2 | 02/04/2020 | 06/04/2020 | 4 |
| CARE0102 | 5 | 02/04/2020 | 04/05/2020 | 32 |
| CARE0103 | 2 | 08/04/2020 | 21/04/2020 | 13 |
| CARE0104 | 3 | 02/04/2020 | 10/04/2020 | 8 |
| CARE0105 | 2 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0106 | 3 | 02/04/2020 | 12/04/2020 | 10 |
| CARE0107 | 1 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0108 | 2 | 03/04/2020 | 29/04/2020 | 26 |
| CARE0109 | 2 | 04/04/2020 | 07/04/2020 | 3 |
| CARE0111 | 3 | 03/04/2020 | 07/04/2020 | 4 |
| CARE0112 | 1 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0113 | 2 | 03/04/2020 | 12/04/2020 | 9 |
| CARE0114 | 3 | 07/04/2020 | 15/04/2020 | 8 |
| CARE0116 | 2 | 04/04/2020 | 10/04/2020 | 6 |
| CARE0117 | 2 | 04/04/2020 | 13/04/2020 | 9 |
| CARE0118 | 3 | 06/04/2020 | 18/04/2020 | 12 |
| CARE0119 | 3 | 03/04/2020 | 06/04/2020 | 3 |
| CARE0120 | 4 | 03/04/2020 | 01/05/2020 | 28 |
| CARE0121 | 1 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0122 | 6 | 04/04/2020 | 18/04/2020 | 14 |
| CARE0123 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0124 | 2 | 05/04/2020 | 11/04/2020 | 6 |
| CARE0125 | 6 | 05/04/2020 | 17/04/2020 | 12 |
| CARE0126 | 3 | 05/04/2020 | 14/04/2020 | 9 |
| CARE0127 | 2 | 04/04/2020 | 18/04/2020 | 14 |
| CARE0128 | 4 | 05/04/2020 | 11/04/2020 | 6 |
| CARE0129 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0130 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0131 | 1 | 04/04/2020 | 04/04/2020 | 0 |
| CARE0132 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0133 | 1 | 04/04/2020 | 04/04/2020 | 0 |
| CARE0134 | 4 | 06/04/2020 | 19/04/2020 | 13 |
| CARE0135 | 2 | 05/04/2020 | 08/04/2020 | 3 |
| CARE0136 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0137 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0138 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0139 | 4 | 05/04/2020 | 15/04/2020 | 10 |
| CARE0140 | 1 | 06/04/2020 | 06/04/2020 | 0 |
| CARE0141 | 1 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0142 | 3 | 04/04/2020 | 19/04/2020 | 15 |
| CARE0143 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0144 | 2 | 05/04/2020 | 07/04/2020 | 2 |
| CARE0145 | 2 | 07/04/2020 | 30/04/2020 | 23 |
| CARE0146 | 2 | 07/04/2020 | 09/04/2020 | 2 |
| CARE0147 | 1 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0148 | 2 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0149 | 5 | 07/04/2020 | 07/05/2020 | 30 |
| CARE0150 | 2 | 07/04/2020 | 09/04/2020 | 2 |
| CARE0151 | 7 | 07/04/2020 | 27/04/2020 | 20 |
| CARE0153 | 1 | 08/04/2020 | 08/04/2020 | 0 |
| CARE0154 | 1 | 08/04/2020 | 08/04/2020 | 0 |
| CARE0155 | 2 | 08/04/2020 | 21/04/2020 | 13 |
| CARE0156 | 3 | 07/04/2020 | 24/04/2020 | 17 |
| CARE0157 | 5 | 08/04/2020 | 26/04/2020 | 18 |
| CARE0158 | 1 | 08/04/2020 | 08/04/2020 | 0 |
| CARE0159 | 6 | 09/04/2020 | 06/05/2020 | 27 |
| CARE0160 | 1 | 09/04/2020 | 09/04/2020 | 0 |
| CARE0161 | 3 | 08/04/2020 | 14/04/2020 | 6 |
| CARE0162 | 4 | 09/04/2020 | 01/05/2020 | 22 |
| CARE0165 | 1 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0166 | 4 | 11/04/2020 | 24/04/2020 | 13 |
| CARE0167 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0169 | 4 | 18/04/2020 | 30/04/2020 | 12 |
| CARE0170 | 1 | 09/04/2020 | 09/04/2020 | 0 |
| CARE0171 | 2 | 09/04/2020 | 16/04/2020 | 7 |
| CARE0172 | 2 | 09/04/2020 | 13/04/2020 | 4 |
| CARE0173 | 7 | 10/04/2020 | 01/05/2020 | 21 |
| CARE0174 | 4 | 09/04/2020 | 17/04/2020 | 8 |
| CARE0175 | 2 | 09/04/2020 | 24/04/2020 | 15 |
| CARE0176 | 2 | 10/04/2020 | 18/04/2020 | 8 |
| CARE0177 | 3 | 10/04/2020 | 01/05/2020 | 21 |
| CARE0178 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0179 | 1 | 10/04/2020 | 10/04/2020 | 0 |
| CARE0180 | 1 | 10/04/2020 | 10/04/2020 | 0 |
| CARE0181 | 2 | 10/04/2020 | 14/04/2020 | 4 |
| CARE0182 | 5 | 11/04/2020 | 21/04/2020 | 10 |
| CARE0183 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0184 | 3 | 12/04/2020 | 17/04/2020 | 5 |
| CARE0185 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0186 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0187 | 1 | 12/04/2020 | 12/04/2020 | 0 |
| CARE0188 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0189 | 4 | 11/04/2020 | 20/04/2020 | 9 |
| CARE0190 | 2 | 12/04/2020 | 21/04/2020 | 9 |
| CARE0191 | 2 | 11/04/2020 | 14/04/2020 | 3 |
| CARE0192 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0193 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0194 | 3 | 12/04/2020 | 28/04/2020 | 16 |
| CARE0195 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0196 | 5 | 13/04/2020 | 28/04/2020 | 15 |
| CARE0197 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0198 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0199 | 4 | 13/04/2020 | 30/04/2020 | 17 |
| CARE0201 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0202 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0203 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0204 | 3 | 12/04/2020 | 17/04/2020 | 5 |
| CARE0205 | 2 | 13/04/2020 | 17/04/2020 | 4 |
| CARE0206 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0207 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0208 | 3 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0209 | 3 | 14/04/2020 | 02/05/2020 | 18 |
| CARE0210 | 3 | 14/04/2020 | 26/04/2020 | 12 |
| CARE0211 | 5 | 14/04/2020 | 20/04/2020 | 6 |
| CARE0212 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0213 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0214 | 3 | 14/04/2020 | 25/04/2020 | 11 |
| CARE0215 | 5 | 14/04/2020 | 21/04/2020 | 7 |
| CARE0216 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0217 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0218 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0219 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0220 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0221 | 2 | 21/04/2020 | 23/04/2020 | 2 |
| CARE0222 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0223 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0224 | 2 | 16/04/2020 | 21/04/2020 | 5 |
| CARE0225 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0226 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0227 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0228 | 4 | 15/04/2020 | 20/04/2020 | 5 |
| CARE0229 | 2 | 16/04/2020 | 21/04/2020 | 5 |
| CARE0230 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0231 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0232 | 1 | 17/04/2020 | 17/04/2020 | 0 |
| CARE0233 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0234 | 1 | 17/04/2020 | 17/04/2020 | 0 |
| CARE0235 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0236 | 2 | 16/04/2020 | 20/04/2020 | 4 |
| CARE0237 | 1 | 17/04/2020 | 17/04/2020 | 0 |
| CARE0239 | 2 | 18/04/2020 | 18/04/2020 | 0 |
| CARE0240 | 2 | 17/04/2020 | 17/04/2020 | 0 |
| CARE0241 | 1 | 17/04/2020 | 17/04/2020 | 0 |
| CARE0242 | 2 | 17/04/2020 | 28/04/2020 | 11 |
| CARE0243 | 2 | 18/04/2020 | 21/04/2020 | 3 |
| CARE0244 | 3 | 19/04/2020 | 07/05/2020 | 18 |
| CARE0245 | 1 | 18/04/2020 | 18/04/2020 | 0 |
| CARE0246 | 1 | 18/04/2020 | 18/04/2020 | 0 |
| CARE0247 | 1 | 19/04/2020 | 19/04/2020 | 0 |
| CARE0249 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0250 | 2 | 19/04/2020 | 28/04/2020 | 9 |
| CARE0251 | 2 | 19/04/2020 | 01/05/2020 | 12 |
| CARE0253 | 4 | 19/04/2020 | 04/05/2020 | 15 |
| CARE0254 | 2 | 20/04/2020 | 29/04/2020 | 9 |
| CARE0255 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0257 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0258 | 4 | 20/04/2020 | 01/05/2020 | 11 |
| CARE0259 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0260 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0261 | 6 | 20/04/2020 | 01/05/2020 | 11 |
| CARE0262 | 1 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0263 | 12 | 07/05/2020 | 10/05/2020 | 3 |
| CARE0264 | 9 | 22/04/2020 | 06/05/2020 | 14 |
| CARE0265 | 4 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0266 | 4 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0270 | 2 | 02/05/2020 | 03/05/2020 | 1 |
| CARE0271 | 1 | 22/04/2020 | 22/04/2020 | 0 |
| CARE0272 | 1 | 27/04/2020 | 27/04/2020 | 0 |
| CARE0273 | 2 | 23/04/2020 | 24/04/2020 | 1 |
| CARE0274 | 3 | 24/04/2020 | 09/05/2020 | 15 |
| CARE0276 | 1 | 04/05/2020 | 04/05/2020 | 0 |
| CARE0277 | 13 | 25/04/2020 | 08/05/2020 | 13 |
| CARE0279 | 4 | 29/04/2020 | 30/04/2020 | 1 |
| CARE0281 | 1 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0284 | 2 | 26/04/2020 | 01/05/2020 | 5 |
| CARE0289 | 3 | 02/05/2020 | 05/05/2020 | 3 |
| CARE0293 | 2 | 22/04/2020 | 30/04/2020 | 8 |
| CARE0294 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0296 | 1 | 25/04/2020 | 25/04/2020 | 0 |
| CARE0297 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0298 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0299 | 3 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0300 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0301 | 2 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0302 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0304 | 1 | 04/05/2020 | 04/05/2020 | 0 |
| CARE0305 | 1 | 27/04/2020 | 27/04/2020 | 0 |
| CARE0306 | 3 | 14/04/2020 | 27/04/2020 | 13 |
| CARE0307 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0308 | 5 | 22/04/2020 | 28/04/2020 | 6 |
| CARE0309 | 5 | 01/05/2020 | 08/05/2020 | 7 |
| CARE0310 | 2 | 28/04/2020 | 29/04/2020 | 1 |
| CARE0311 | 1 | 27/04/2020 | 27/04/2020 | 0 |
| CARE0312 | 4 | 05/05/2020 | 05/05/2020 | 0 |
| CARE0314 | 18 | 04/05/2020 | 09/05/2020 | 5 |
| CARE0315 | 1 | 29/04/2020 | 29/04/2020 | 0 |
| CARE0316 | 1 | 30/04/2020 | 30/04/2020 | 0 |
| CARE0317 | 1 | 30/04/2020 | 30/04/2020 | 0 |
| CARE0318 | 1 | 30/04/2020 | 30/04/2020 | 0 |
| CARE0320 | 4 | 01/05/2020 | 07/05/2020 | 6 |
| CARE0322 | 3 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0323 | 2 | 02/05/2020 | 07/05/2020 | 5 |
| CARE0324 | 1 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0325 | 2 | 02/05/2020 | 02/05/2020 | 0 |
| CARE0326 | 2 | 02/05/2020 | 03/05/2020 | 1 |
| CARE0327 | 3 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0328 | 1 | 02/05/2020 | 02/05/2020 | 0 |
| CARE0329 | 2 | 01/05/2020 | 07/05/2020 | 6 |
| CARE0330 | 5 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0331 | 1 | 10/05/2020 | 10/05/2020 | 0 |
| CARE0332 | 1 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0333 | 3 | 06/05/2020 | 06/05/2020 | 0 |
| CARE0335 | 1 | 06/05/2020 | 06/05/2020 | 0 |

# Sampling date ranges for care home residents with genomic data: by cluster defined by the *transcluster* algorithm

Table shows anonymised cluster codes for the 409 clusters from 700 care home residents with genomic data, defined using the *transcluster* algorithm (described in Methods). Each cluster code consists of the anonymised care home code with an increasing numeric suffix. “Number of residents” shows the number of residents with genomic data for each cluster. The date of the first and last samples collected from each cluster and the date difference in days between these samples is shown. If there was only 1 sample from the cluster, and/or all cases were from the same date, then “first sample date” and “last sample date” are the same. Collection date was used for sample dates; if collection date was missing then receive date in the laboratory was used instead. 133 / 409 (33%) clusters had 2 or more cases with genomic data, including 424 care home residents. Of these, the median date difference from first to last sampling dates was 5 days (interquartile range, IQR: 1 – 11; range: 0 – 22). This date range was smaller than for care homes with >2 genomes (9 days, IQR: 4 – 15, range: 0 – 50) (*P* = 9.2e-06, Wilcoxon rank sum test), comparison shown in Figure 7, Supplement 6.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Care home code** | **Cluster code** | **Number of residents** | **First sample date** | **Last sample date** | **Date difference (days)** |
| CARE0001 | CARE0001\_1 | 2 | 11/03/2020 | 17/03/2020 | 6 |
| CARE0002 | CARE0002\_1 | 2 | 12/03/2020 | 14/03/2020 | 2 |
| CARE0004 | CARE0004\_1 | 2 | 13/03/2020 | 13/03/2020 | 0 |
| CARE0005 | CARE0005\_1 | 1 | 16/03/2020 | 16/03/2020 | 0 |
| CARE0005 | CARE0005\_2 | 1 | 30/04/2020 | 30/04/2020 | 0 |
| CARE0006 | CARE0006\_1 | 1 | 14/03/2020 | 14/03/2020 | 0 |
| CARE0006 | CARE0006\_2 | 1 | 16/03/2020 | 16/03/2020 | 0 |
| CARE0007 | CARE0007\_1 | 1 | 18/03/2020 | 18/03/2020 | 0 |
| CARE0008 | CARE0008\_1 | 1 | 16/03/2020 | 16/03/2020 | 0 |
| CARE0008 | CARE0008\_2 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0010 | CARE0010\_1 | 1 | 19/03/2020 | 19/03/2020 | 0 |
| CARE0010 | CARE0010\_2 | 1 | 20/03/2020 | 20/03/2020 | 0 |
| CARE0011 | CARE0011\_1 | 5 | 19/03/2020 | 31/03/2020 | 12 |
| CARE0012 | CARE0012\_1 | 1 | 20/03/2020 | 20/03/2020 | 0 |
| CARE0012 | CARE0012\_2 | 3 | 31/03/2020 | 05/04/2020 | 5 |
| CARE0014 | CARE0014\_1 | 1 | 20/03/2020 | 20/03/2020 | 0 |
| CARE0014 | CARE0014\_2 | 3 | 07/05/2020 | 09/05/2020 | 2 |
| CARE0015 | CARE0015\_1 | 1 | 20/03/2020 | 20/03/2020 | 0 |
| CARE0015 | CARE0015\_2 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0016 | CARE0016\_1 | 1 | 22/03/2020 | 22/03/2020 | 0 |
| CARE0017 | CARE0017\_1 | 1 | 21/03/2020 | 21/03/2020 | 0 |
| CARE0017 | CARE0017\_2 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0018 | CARE0018\_1 | 1 | 21/03/2020 | 21/03/2020 | 0 |
| CARE0018 | CARE0018\_2 | 1 | 06/04/2020 | 06/04/2020 | 0 |
| CARE0019 | CARE0019\_1 | 1 | 21/03/2020 | 21/03/2020 | 0 |
| CARE0020 | CARE0020\_1 | 2 | 21/03/2020 | 31/03/2020 | 10 |
| CARE0021 | CARE0021\_1 | 1 | 21/03/2020 | 21/03/2020 | 0 |
| CARE0021 | CARE0021\_2 | 1 | 30/03/2020 | 30/03/2020 | 0 |
| CARE0022 | CARE0022\_1 | 1 | 23/03/2020 | 23/03/2020 | 0 |
| CARE0023 | CARE0023\_1 | 1 | 22/03/2020 | 22/03/2020 | 0 |
| CARE0023 | CARE0023\_2 | 1 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0024 | CARE0024\_1 | 1 | 22/03/2020 | 22/03/2020 | 0 |
| CARE0024 | CARE0024\_2 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0024 | CARE0024\_3 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0025 | CARE0025\_1 | 1 | 23/03/2020 | 23/03/2020 | 0 |
| CARE0025 | CARE0025\_2 | 1 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0026 | CARE0026\_2 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0026 | CARE0026\_1 | 2 | 23/03/2020 | 02/04/2020 | 10 |
| CARE0027 | CARE0027\_1 | 1 | 02/04/2020 | 02/04/2020 | 0 |
| CARE0028 | CARE0028\_1 | 6 | 29/03/2020 | 06/04/2020 | 8 |
| CARE0029 | CARE0029\_1 | 2 | 05/04/2020 | 10/04/2020 | 5 |
| CARE0029 | CARE0029\_2 | 2 | 06/04/2020 | 13/04/2020 | 7 |
| CARE0030 | CARE0030\_1 | 1 | 26/03/2020 | 26/03/2020 | 0 |
| CARE0030 | CARE0030\_2 | 1 | 27/04/2020 | 27/04/2020 | 0 |
| CARE0031 | CARE0031\_1 | 1 | 09/04/2020 | 09/04/2020 | 0 |
| CARE0032 | CARE0032\_1 | 1 | 01/04/2020 | 01/04/2020 | 0 |
| CARE0032 | CARE0032\_2 | 6 | 30/04/2020 | 10/05/2020 | 10 |
| CARE0033 | CARE0033\_1 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0034 | CARE0034\_1 | 1 | 26/03/2020 | 26/03/2020 | 0 |
| CARE0036 | CARE0036\_1 | 1 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0036 | CARE0036\_4 | 1 | 19/04/2020 | 19/04/2020 | 0 |
| CARE0036 | CARE0036\_2 | 2 | 05/04/2020 | 08/04/2020 | 3 |
| CARE0036 | CARE0036\_3 | 2 | 20/04/2020 | 01/05/2020 | 11 |
| CARE0037 | CARE0037\_1 | 1 | 30/03/2020 | 30/03/2020 | 0 |
| CARE0038 | CARE0038\_1 | 1 | 04/04/2020 | 04/04/2020 | 0 |
| CARE0038 | CARE0038\_2 | 1 | 06/04/2020 | 06/04/2020 | 0 |
| CARE0039 | CARE0039\_1 | 1 | 06/05/2020 | 06/05/2020 | 0 |
| CARE0040 | CARE0040\_1 | 1 | 27/03/2020 | 27/03/2020 | 0 |
| CARE0042 | CARE0042\_1 | 1 | 10/04/2020 | 10/04/2020 | 0 |
| CARE0043 | CARE0043\_1 | 3 | 09/04/2020 | 11/04/2020 | 2 |
| CARE0046 | CARE0046\_1 | 1 | 18/04/2020 | 18/04/2020 | 0 |
| CARE0046 | CARE0046\_2 | 1 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0047 | CARE0047\_3 | 1 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0047 | CARE0047\_1 | 2 | 02/04/2020 | 16/04/2020 | 14 |
| CARE0047 | CARE0047\_2 | 2 | 02/04/2020 | 14/04/2020 | 12 |
| CARE0048 | CARE0048\_1 | 1 | 27/03/2020 | 27/03/2020 | 0 |
| CARE0049 | CARE0049\_1 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0051 | CARE0051\_1 | 2 | 10/04/2020 | 21/04/2020 | 11 |
| CARE0054 | CARE0054\_1 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0054 | CARE0054\_2 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0054 | CARE0054\_3 | 2 | 02/05/2020 | 02/05/2020 | 0 |
| CARE0055 | CARE0055\_1 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0056 | CARE0056\_1 | 1 | 29/03/2020 | 29/03/2020 | 0 |
| CARE0057 | CARE0057\_2 | 1 | 30/03/2020 | 30/03/2020 | 0 |
| CARE0057 | CARE0057\_3 | 1 | 12/04/2020 | 12/04/2020 | 0 |
| CARE0057 | CARE0057\_1 | 3 | 29/03/2020 | 30/03/2020 | 1 |
| CARE0058 | CARE0058\_1 | 1 | 28/03/2020 | 28/03/2020 | 0 |
| CARE0058 | CARE0058\_2 | 1 | 27/04/2020 | 27/04/2020 | 0 |
| CARE0059 | CARE0059\_1 | 1 | 28/03/2020 | 28/03/2020 | 0 |
| CARE0060 | CARE0060\_1 | 1 | 29/03/2020 | 29/03/2020 | 0 |
| CARE0060 | CARE0060\_2 | 1 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0061 | CARE0061\_1 | 1 | 29/03/2020 | 29/03/2020 | 0 |
| CARE0061 | CARE0061\_3 | 1 | 22/04/2020 | 22/04/2020 | 0 |
| CARE0061 | CARE0061\_4 | 1 | 06/05/2020 | 06/05/2020 | 0 |
| CARE0061 | CARE0061\_2 | 7 | 14/04/2020 | 06/05/2020 | 22 |
| CARE0062 | CARE0062\_1 | 1 | 30/03/2020 | 30/03/2020 | 0 |
| CARE0062 | CARE0062\_2 | 1 | 29/04/2020 | 29/04/2020 | 0 |
| CARE0063 | CARE0063\_2 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0063 | CARE0063\_1 | 11 | 30/03/2020 | 17/04/2020 | 18 |
| CARE0064 | CARE0064\_1 | 1 | 29/03/2020 | 29/03/2020 | 0 |
| CARE0065 | CARE0065\_1 | 1 | 29/03/2020 | 29/03/2020 | 0 |
| CARE0066 | CARE0066\_1 | 6 | 29/03/2020 | 08/04/2020 | 10 |
| CARE0067 | CARE0067\_1 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0068 | CARE0068\_1 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0068 | CARE0068\_3 | 1 | 08/05/2020 | 08/05/2020 | 0 |
| CARE0068 | CARE0068\_2 | 2 | 08/05/2020 | 09/05/2020 | 1 |
| CARE0069 | CARE0069\_1 | 1 | 30/03/2020 | 30/03/2020 | 0 |
| CARE0069 | CARE0069\_2 | 2 | 06/04/2020 | 07/04/2020 | 1 |
| CARE0070 | CARE0070\_1 | 1 | 29/03/2020 | 29/03/2020 | 0 |
| CARE0071 | CARE0071\_1 | 1 | 30/03/2020 | 30/03/2020 | 0 |
| CARE0073 | CARE0073\_1 | 1 | 30/03/2020 | 30/03/2020 | 0 |
| CARE0073 | CARE0073\_2 | 2 | 17/04/2020 | 20/04/2020 | 3 |
| CARE0074 | CARE0074\_1 | 2 | 31/03/2020 | 08/04/2020 | 8 |
| CARE0075 | CARE0075\_1 | 1 | 30/03/2020 | 30/03/2020 | 0 |
| CARE0075 | CARE0075\_2 | 1 | 06/04/2020 | 06/04/2020 | 0 |
| CARE0076 | CARE0076\_2 | 1 | 02/04/2020 | 02/04/2020 | 0 |
| CARE0076 | CARE0076\_1 | 3 | 30/03/2020 | 12/04/2020 | 13 |
| CARE0077 | CARE0077\_1 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0078 | CARE0078\_1 | 1 | 12/04/2020 | 12/04/2020 | 0 |
| CARE0078 | CARE0078\_2 | 1 | 06/05/2020 | 06/05/2020 | 0 |
| CARE0079 | CARE0079\_1 | 2 | 12/04/2020 | 13/04/2020 | 1 |
| CARE0080 | CARE0080\_1 | 3 | 31/03/2020 | 04/04/2020 | 4 |
| CARE0081 | CARE0081\_1 | 2 | 31/03/2020 | 11/04/2020 | 11 |
| CARE0082 | CARE0082\_1 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0082 | CARE0082\_2 | 1 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0083 | CARE0083\_1 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0083 | CARE0083\_2 | 1 | 06/05/2020 | 06/05/2020 | 0 |
| CARE0084 | CARE0084\_1 | 2 | 01/04/2020 | 10/04/2020 | 9 |
| CARE0085 | CARE0085\_1 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0086 | CARE0086\_1 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0087 | CARE0087\_1 | 1 | 30/03/2020 | 30/03/2020 | 0 |
| CARE0088 | CARE0088\_1 | 1 | 31/03/2020 | 31/03/2020 | 0 |
| CARE0089 | CARE0089\_1 | 1 | 02/04/2020 | 02/04/2020 | 0 |
| CARE0090 | CARE0090\_1 | 1 | 01/04/2020 | 01/04/2020 | 0 |
| CARE0091 | CARE0091\_1 | 5 | 02/04/2020 | 16/04/2020 | 14 |
| CARE0092 | CARE0092\_1 | 5 | 01/04/2020 | 22/04/2020 | 21 |
| CARE0093 | CARE0093\_1 | 4 | 01/04/2020 | 14/04/2020 | 13 |
| CARE0094 | CARE0094\_1 | 1 | 02/04/2020 | 02/04/2020 | 0 |
| CARE0094 | CARE0094\_2 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0095 | CARE0095\_1 | 1 | 01/04/2020 | 01/04/2020 | 0 |
| CARE0095 | CARE0095\_2 | 1 | 08/04/2020 | 08/04/2020 | 0 |
| CARE0096 | CARE0096\_1 | 2 | 02/04/2020 | 13/04/2020 | 11 |
| CARE0097 | CARE0097\_1 | 1 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0097 | CARE0097\_2 | 6 | 17/04/2020 | 01/05/2020 | 14 |
| CARE0098 | CARE0098\_1 | 3 | 02/04/2020 | 06/04/2020 | 4 |
| CARE0099 | CARE0099\_1 | 2 | 03/04/2020 | 16/04/2020 | 13 |
| CARE0100 | CARE0100\_1 | 1 | 02/04/2020 | 02/04/2020 | 0 |
| CARE0100 | CARE0100\_2 | 1 | 01/04/2020 | 01/04/2020 | 0 |
| CARE0101 | CARE0101\_1 | 2 | 02/04/2020 | 06/04/2020 | 4 |
| CARE0102 | CARE0102\_1 | 2 | 02/04/2020 | 16/04/2020 | 14 |
| CARE0102 | CARE0102\_2 | 3 | 02/05/2020 | 04/05/2020 | 2 |
| CARE0103 | CARE0103\_1 | 1 | 08/04/2020 | 08/04/2020 | 0 |
| CARE0103 | CARE0103\_2 | 1 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0104 | CARE0104\_1 | 1 | 02/04/2020 | 02/04/2020 | 0 |
| CARE0104 | CARE0104\_2 | 1 | 10/04/2020 | 10/04/2020 | 0 |
| CARE0104 | CARE0104\_3 | 1 | 10/04/2020 | 10/04/2020 | 0 |
| CARE0105 | CARE0105\_1 | 2 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0106 | CARE0106\_1 | 3 | 02/04/2020 | 12/04/2020 | 10 |
| CARE0107 | CARE0107\_1 | 1 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0108 | CARE0108\_1 | 1 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0108 | CARE0108\_2 | 1 | 29/04/2020 | 29/04/2020 | 0 |
| CARE0109 | CARE0109\_1 | 1 | 04/04/2020 | 04/04/2020 | 0 |
| CARE0109 | CARE0109\_2 | 1 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0111 | CARE0111\_1 | 3 | 03/04/2020 | 07/04/2020 | 4 |
| CARE0112 | CARE0112\_1 | 1 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0113 | CARE0113\_1 | 1 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0113 | CARE0113\_2 | 1 | 12/04/2020 | 12/04/2020 | 0 |
| CARE0114 | CARE0114\_1 | 3 | 07/04/2020 | 15/04/2020 | 8 |
| CARE0116 | CARE0116\_1 | 1 | 04/04/2020 | 04/04/2020 | 0 |
| CARE0116 | CARE0116\_2 | 1 | 10/04/2020 | 10/04/2020 | 0 |
| CARE0117 | CARE0117\_1 | 1 | 04/04/2020 | 04/04/2020 | 0 |
| CARE0117 | CARE0117\_2 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0118 | CARE0118\_1 | 3 | 06/04/2020 | 18/04/2020 | 12 |
| CARE0119 | CARE0119\_2 | 1 | 06/04/2020 | 06/04/2020 | 0 |
| CARE0119 | CARE0119\_1 | 2 | 03/04/2020 | 06/04/2020 | 3 |
| CARE0120 | CARE0120\_2 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0120 | CARE0120\_3 | 1 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0120 | CARE0120\_1 | 2 | 03/04/2020 | 16/04/2020 | 13 |
| CARE0121 | CARE0121\_1 | 1 | 03/04/2020 | 03/04/2020 | 0 |
| CARE0122 | CARE0122\_1 | 1 | 04/04/2020 | 04/04/2020 | 0 |
| CARE0122 | CARE0122\_2 | 5 | 06/04/2020 | 18/04/2020 | 12 |
| CARE0123 | CARE0123\_1 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0124 | CARE0124\_1 | 2 | 05/04/2020 | 11/04/2020 | 6 |
| CARE0125 | CARE0125\_2 | 1 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0125 | CARE0125\_1 | 5 | 05/04/2020 | 17/04/2020 | 12 |
| CARE0126 | CARE0126\_1 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0126 | CARE0126\_2 | 2 | 10/04/2020 | 14/04/2020 | 4 |
| CARE0127 | CARE0127\_1 | 1 | 04/04/2020 | 04/04/2020 | 0 |
| CARE0127 | CARE0127\_2 | 1 | 18/04/2020 | 18/04/2020 | 0 |
| CARE0128 | CARE0128\_1 | 4 | 05/04/2020 | 11/04/2020 | 6 |
| CARE0129 | CARE0129\_1 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0130 | CARE0130\_1 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0131 | CARE0131\_1 | 1 | 04/04/2020 | 04/04/2020 | 0 |
| CARE0132 | CARE0132\_1 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0133 | CARE0133\_1 | 1 | 04/04/2020 | 04/04/2020 | 0 |
| CARE0134 | CARE0134\_1 | 2 | 06/04/2020 | 18/04/2020 | 12 |
| CARE0134 | CARE0134\_2 | 2 | 17/04/2020 | 19/04/2020 | 2 |
| CARE0135 | CARE0135\_1 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0135 | CARE0135\_2 | 1 | 08/04/2020 | 08/04/2020 | 0 |
| CARE0136 | CARE0136\_1 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0137 | CARE0137\_1 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0138 | CARE0138\_1 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0139 | CARE0139\_2 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0139 | CARE0139\_3 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0139 | CARE0139\_1 | 2 | 05/04/2020 | 06/04/2020 | 1 |
| CARE0140 | CARE0140\_1 | 1 | 06/04/2020 | 06/04/2020 | 0 |
| CARE0141 | CARE0141\_1 | 1 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0142 | CARE0142\_1 | 3 | 04/04/2020 | 19/04/2020 | 15 |
| CARE0143 | CARE0143\_1 | 1 | 05/04/2020 | 05/04/2020 | 0 |
| CARE0144 | CARE0144\_1 | 2 | 05/04/2020 | 07/04/2020 | 2 |
| CARE0145 | CARE0145\_1 | 1 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0145 | CARE0145\_2 | 1 | 30/04/2020 | 30/04/2020 | 0 |
| CARE0146 | CARE0146\_1 | 1 | 09/04/2020 | 09/04/2020 | 0 |
| CARE0146 | CARE0146\_2 | 1 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0147 | CARE0147\_1 | 1 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0148 | CARE0148\_1 | 2 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0149 | CARE0149\_2 | 1 | 19/04/2020 | 19/04/2020 | 0 |
| CARE0149 | CARE0149\_3 | 1 | 29/04/2020 | 29/04/2020 | 0 |
| CARE0149 | CARE0149\_4 | 1 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0149 | CARE0149\_1 | 2 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0150 | CARE0150\_1 | 2 | 07/04/2020 | 09/04/2020 | 2 |
| CARE0151 | CARE0151\_1 | 1 | 07/04/2020 | 07/04/2020 | 0 |
| CARE0151 | CARE0151\_3 | 1 | 27/04/2020 | 27/04/2020 | 0 |
| CARE0151 | CARE0151\_4 | 1 | 27/04/2020 | 27/04/2020 | 0 |
| CARE0151 | CARE0151\_2 | 4 | 27/04/2020 | 27/04/2020 | 0 |
| CARE0153 | CARE0153\_1 | 1 | 08/04/2020 | 08/04/2020 | 0 |
| CARE0154 | CARE0154\_1 | 1 | 08/04/2020 | 08/04/2020 | 0 |
| CARE0155 | CARE0155\_1 | 2 | 08/04/2020 | 21/04/2020 | 13 |
| CARE0156 | CARE0156\_2 | 1 | 24/04/2020 | 24/04/2020 | 0 |
| CARE0156 | CARE0156\_1 | 2 | 07/04/2020 | 08/04/2020 | 1 |
| CARE0157 | CARE0157\_1 | 1 | 08/04/2020 | 08/04/2020 | 0 |
| CARE0157 | CARE0157\_3 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0157 | CARE0157\_2 | 3 | 10/04/2020 | 12/04/2020 | 2 |
| CARE0158 | CARE0158\_1 | 1 | 08/04/2020 | 08/04/2020 | 0 |
| CARE0159 | CARE0159\_2 | 1 | 06/05/2020 | 06/05/2020 | 0 |
| CARE0159 | CARE0159\_1 | 5 | 09/04/2020 | 21/04/2020 | 12 |
| CARE0160 | CARE0160\_1 | 1 | 09/04/2020 | 09/04/2020 | 0 |
| CARE0161 | CARE0161\_2 | 1 | 09/04/2020 | 09/04/2020 | 0 |
| CARE0161 | CARE0161\_1 | 2 | 08/04/2020 | 14/04/2020 | 6 |
| CARE0162 | CARE0162\_1 | 4 | 09/04/2020 | 01/05/2020 | 22 |
| CARE0165 | CARE0165\_1 | 1 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0166 | CARE0166\_1 | 4 | 11/04/2020 | 24/04/2020 | 13 |
| CARE0167 | CARE0167\_1 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0169 | CARE0169\_1 | 4 | 18/04/2020 | 30/04/2020 | 12 |
| CARE0170 | CARE0170\_1 | 1 | 09/04/2020 | 09/04/2020 | 0 |
| CARE0171 | CARE0171\_1 | 2 | 09/04/2020 | 16/04/2020 | 7 |
| CARE0172 | CARE0172\_1 | 1 | 09/04/2020 | 09/04/2020 | 0 |
| CARE0172 | CARE0172\_2 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0173 | CARE0173\_1 | 1 | 10/04/2020 | 10/04/2020 | 0 |
| CARE0173 | CARE0173\_2 | 3 | 28/04/2020 | 01/05/2020 | 3 |
| CARE0173 | CARE0173\_3 | 3 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0174 | CARE0174\_1 | 4 | 09/04/2020 | 17/04/2020 | 8 |
| CARE0175 | CARE0175\_1 | 1 | 09/04/2020 | 09/04/2020 | 0 |
| CARE0175 | CARE0175\_2 | 1 | 24/04/2020 | 24/04/2020 | 0 |
| CARE0176 | CARE0176\_1 | 2 | 10/04/2020 | 18/04/2020 | 8 |
| CARE0177 | CARE0177\_1 | 1 | 10/04/2020 | 10/04/2020 | 0 |
| CARE0177 | CARE0177\_2 | 2 | 28/04/2020 | 01/05/2020 | 3 |
| CARE0178 | CARE0178\_1 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0179 | CARE0179\_1 | 1 | 10/04/2020 | 10/04/2020 | 0 |
| CARE0180 | CARE0180\_1 | 1 | 10/04/2020 | 10/04/2020 | 0 |
| CARE0181 | CARE0181\_1 | 1 | 10/04/2020 | 10/04/2020 | 0 |
| CARE0181 | CARE0181\_2 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0182 | CARE0182\_2 | 1 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0182 | CARE0182\_1 | 4 | 11/04/2020 | 21/04/2020 | 10 |
| CARE0183 | CARE0183\_1 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0184 | CARE0184\_1 | 3 | 12/04/2020 | 17/04/2020 | 5 |
| CARE0185 | CARE0185\_1 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0186 | CARE0186\_1 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0187 | CARE0187\_1 | 1 | 12/04/2020 | 12/04/2020 | 0 |
| CARE0188 | CARE0188\_1 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0189 | CARE0189\_1 | 4 | 11/04/2020 | 20/04/2020 | 9 |
| CARE0190 | CARE0190\_1 | 2 | 12/04/2020 | 21/04/2020 | 9 |
| CARE0191 | CARE0191\_1 | 2 | 11/04/2020 | 14/04/2020 | 3 |
| CARE0192 | CARE0192\_1 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0193 | CARE0193\_1 | 1 | 11/04/2020 | 11/04/2020 | 0 |
| CARE0194 | CARE0194\_2 | 1 | 28/04/2020 | 28/04/2020 | 0 |
| CARE0194 | CARE0194\_1 | 2 | 12/04/2020 | 13/04/2020 | 1 |
| CARE0195 | CARE0195\_1 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0196 | CARE0196\_1 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0196 | CARE0196\_2 | 1 | 18/04/2020 | 18/04/2020 | 0 |
| CARE0196 | CARE0196\_4 | 1 | 28/04/2020 | 28/04/2020 | 0 |
| CARE0196 | CARE0196\_3 | 2 | 28/04/2020 | 28/04/2020 | 0 |
| CARE0197 | CARE0197\_1 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0198 | CARE0198\_1 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0199 | CARE0199\_1 | 2 | 13/04/2020 | 21/04/2020 | 8 |
| CARE0199 | CARE0199\_2 | 2 | 26/04/2020 | 30/04/2020 | 4 |
| CARE0201 | CARE0201\_1 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0202 | CARE0202\_1 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0203 | CARE0203\_1 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0204 | CARE0204\_1 | 1 | 12/04/2020 | 12/04/2020 | 0 |
| CARE0204 | CARE0204\_2 | 2 | 13/04/2020 | 17/04/2020 | 4 |
| CARE0205 | CARE0205\_1 | 2 | 13/04/2020 | 17/04/2020 | 4 |
| CARE0206 | CARE0206\_1 | 1 | 13/04/2020 | 13/04/2020 | 0 |
| CARE0207 | CARE0207\_1 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0208 | CARE0208\_2 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0208 | CARE0208\_1 | 2 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0209 | CARE0209\_2 | 1 | 02/05/2020 | 02/05/2020 | 0 |
| CARE0209 | CARE0209\_1 | 2 | 14/04/2020 | 15/04/2020 | 1 |
| CARE0210 | CARE0210\_1 | 3 | 14/04/2020 | 26/04/2020 | 12 |
| CARE0211 | CARE0211\_2 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0211 | CARE0211\_3 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0211 | CARE0211\_1 | 3 | 14/04/2020 | 20/04/2020 | 6 |
| CARE0212 | CARE0212\_1 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0213 | CARE0213\_1 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0214 | CARE0214\_1 | 3 | 14/04/2020 | 25/04/2020 | 11 |
| CARE0215 | CARE0215\_1 | 5 | 14/04/2020 | 21/04/2020 | 7 |
| CARE0216 | CARE0216\_1 | 1 | 14/04/2020 | 14/04/2020 | 0 |
| CARE0217 | CARE0217\_1 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0218 | CARE0218\_1 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0219 | CARE0219\_1 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0220 | CARE0220\_1 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0221 | CARE0221\_1 | 1 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0221 | CARE0221\_2 | 1 | 23/04/2020 | 23/04/2020 | 0 |
| CARE0222 | CARE0222\_1 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0223 | CARE0223\_1 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0224 | CARE0224\_1 | 2 | 16/04/2020 | 21/04/2020 | 5 |
| CARE0225 | CARE0225\_1 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0226 | CARE0226\_1 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0227 | CARE0227\_1 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0228 | CARE0228\_1 | 4 | 15/04/2020 | 20/04/2020 | 5 |
| CARE0229 | CARE0229\_1 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0229 | CARE0229\_2 | 1 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0230 | CARE0230\_1 | 1 | 15/04/2020 | 15/04/2020 | 0 |
| CARE0231 | CARE0231\_1 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0232 | CARE0232\_1 | 1 | 17/04/2020 | 17/04/2020 | 0 |
| CARE0233 | CARE0233\_1 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0234 | CARE0234\_1 | 1 | 17/04/2020 | 17/04/2020 | 0 |
| CARE0235 | CARE0235\_1 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0236 | CARE0236\_1 | 1 | 16/04/2020 | 16/04/2020 | 0 |
| CARE0236 | CARE0236\_2 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0237 | CARE0237\_1 | 1 | 17/04/2020 | 17/04/2020 | 0 |
| CARE0239 | CARE0239\_1 | 1 | 18/04/2020 | 18/04/2020 | 0 |
| CARE0239 | CARE0239\_2 | 1 | 18/04/2020 | 18/04/2020 | 0 |
| CARE0240 | CARE0240\_1 | 2 | 17/04/2020 | 17/04/2020 | 0 |
| CARE0241 | CARE0241\_1 | 1 | 17/04/2020 | 17/04/2020 | 0 |
| CARE0242 | CARE0242\_1 | 2 | 17/04/2020 | 28/04/2020 | 11 |
| CARE0243 | CARE0243\_1 | 2 | 18/04/2020 | 21/04/2020 | 3 |
| CARE0244 | CARE0244\_1 | 1 | 19/04/2020 | 19/04/2020 | 0 |
| CARE0244 | CARE0244\_2 | 1 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0244 | CARE0244\_3 | 1 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0245 | CARE0245\_1 | 1 | 18/04/2020 | 18/04/2020 | 0 |
| CARE0246 | CARE0246\_1 | 1 | 18/04/2020 | 18/04/2020 | 0 |
| CARE0247 | CARE0247\_1 | 1 | 19/04/2020 | 19/04/2020 | 0 |
| CARE0249 | CARE0249\_1 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0250 | CARE0250\_1 | 2 | 19/04/2020 | 28/04/2020 | 9 |
| CARE0251 | CARE0251\_1 | 1 | 19/04/2020 | 19/04/2020 | 0 |
| CARE0251 | CARE0251\_2 | 1 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0253 | CARE0253\_1 | 4 | 19/04/2020 | 04/05/2020 | 15 |
| CARE0254 | CARE0254\_1 | 2 | 20/04/2020 | 29/04/2020 | 9 |
| CARE0255 | CARE0255\_1 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0257 | CARE0257\_1 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0258 | CARE0258\_1 | 4 | 20/04/2020 | 01/05/2020 | 11 |
| CARE0259 | CARE0259\_1 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0260 | CARE0260\_1 | 1 | 20/04/2020 | 20/04/2020 | 0 |
| CARE0261 | CARE0261\_1 | 6 | 20/04/2020 | 01/05/2020 | 11 |
| CARE0262 | CARE0262\_1 | 1 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0263 | CARE0263\_3 | 1 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0263 | CARE0263\_2 | 2 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0263 | CARE0263\_1 | 9 | 07/05/2020 | 10/05/2020 | 3 |
| CARE0264 | CARE0264\_1 | 9 | 22/04/2020 | 06/05/2020 | 14 |
| CARE0265 | CARE0265\_2 | 1 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0265 | CARE0265\_1 | 3 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0266 | CARE0266\_2 | 1 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0266 | CARE0266\_1 | 3 | 21/04/2020 | 21/04/2020 | 0 |
| CARE0270 | CARE0270\_1 | 2 | 02/05/2020 | 03/05/2020 | 1 |
| CARE0271 | CARE0271\_1 | 1 | 22/04/2020 | 22/04/2020 | 0 |
| CARE0272 | CARE0272\_1 | 1 | 27/04/2020 | 27/04/2020 | 0 |
| CARE0273 | CARE0273\_1 | 2 | 23/04/2020 | 24/04/2020 | 1 |
| CARE0274 | CARE0274\_2 | 1 | 09/05/2020 | 09/05/2020 | 0 |
| CARE0274 | CARE0274\_1 | 2 | 24/04/2020 | 06/05/2020 | 12 |
| CARE0276 | CARE0276\_1 | 1 | 04/05/2020 | 04/05/2020 | 0 |
| CARE0277 | CARE0277\_2 | 1 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0277 | CARE0277\_1 | 12 | 25/04/2020 | 08/05/2020 | 13 |
| CARE0279 | CARE0279\_1 | 4 | 29/04/2020 | 30/04/2020 | 1 |
| CARE0281 | CARE0281\_1 | 1 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0284 | CARE0284\_1 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0284 | CARE0284\_2 | 1 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0289 | CARE0289\_1 | 3 | 02/05/2020 | 05/05/2020 | 3 |
| CARE0293 | CARE0293\_1 | 2 | 22/04/2020 | 30/04/2020 | 8 |
| CARE0294 | CARE0294\_1 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0296 | CARE0296\_1 | 1 | 25/04/2020 | 25/04/2020 | 0 |
| CARE0297 | CARE0297\_1 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0298 | CARE0298\_1 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0299 | CARE0299\_1 | 3 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0300 | CARE0300\_1 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0301 | CARE0301\_1 | 2 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0302 | CARE0302\_1 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0304 | CARE0304\_1 | 1 | 04/05/2020 | 04/05/2020 | 0 |
| CARE0305 | CARE0305\_1 | 1 | 27/04/2020 | 27/04/2020 | 0 |
| CARE0306 | CARE0306\_1 | 3 | 14/04/2020 | 27/04/2020 | 13 |
| CARE0307 | CARE0307\_1 | 1 | 26/04/2020 | 26/04/2020 | 0 |
| CARE0308 | CARE0308\_1 | 5 | 22/04/2020 | 28/04/2020 | 6 |
| CARE0309 | CARE0309\_1 | 5 | 01/05/2020 | 08/05/2020 | 7 |
| CARE0310 | CARE0310\_1 | 2 | 28/04/2020 | 29/04/2020 | 1 |
| CARE0311 | CARE0311\_1 | 1 | 27/04/2020 | 27/04/2020 | 0 |
| CARE0312 | CARE0312\_2 | 1 | 05/05/2020 | 05/05/2020 | 0 |
| CARE0312 | CARE0312\_1 | 3 | 05/05/2020 | 05/05/2020 | 0 |
| CARE0314 | CARE0314\_1 | 18 | 04/05/2020 | 09/05/2020 | 5 |
| CARE0315 | CARE0315\_1 | 1 | 29/04/2020 | 29/04/2020 | 0 |
| CARE0316 | CARE0316\_1 | 1 | 30/04/2020 | 30/04/2020 | 0 |
| CARE0317 | CARE0317\_1 | 1 | 30/04/2020 | 30/04/2020 | 0 |
| CARE0318 | CARE0318\_1 | 1 | 30/04/2020 | 30/04/2020 | 0 |
| CARE0320 | CARE0320\_1 | 2 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0320 | CARE0320\_2 | 2 | 01/05/2020 | 07/05/2020 | 6 |
| CARE0322 | CARE0322\_2 | 1 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0322 | CARE0322\_1 | 2 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0323 | CARE0323\_1 | 2 | 02/05/2020 | 07/05/2020 | 5 |
| CARE0324 | CARE0324\_1 | 1 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0325 | CARE0325\_1 | 2 | 02/05/2020 | 02/05/2020 | 0 |
| CARE0326 | CARE0326\_1 | 2 | 02/05/2020 | 03/05/2020 | 1 |
| CARE0327 | CARE0327\_1 | 3 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0328 | CARE0328\_1 | 1 | 02/05/2020 | 02/05/2020 | 0 |
| CARE0329 | CARE0329\_1 | 1 | 01/05/2020 | 01/05/2020 | 0 |
| CARE0329 | CARE0329\_2 | 1 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0330 | CARE0330\_1 | 5 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0331 | CARE0331\_1 | 1 | 10/05/2020 | 10/05/2020 | 0 |
| CARE0332 | CARE0332\_1 | 1 | 07/05/2020 | 07/05/2020 | 0 |
| CARE0333 | CARE0333\_1 | 3 | 06/05/2020 | 06/05/2020 | 0 |
| CARE0335 | CARE0335\_1 | 1 | 06/05/2020 | 06/05/2020 | 0 |

# Cambridge COG-UK IDs for all samples analysed in this study

The main analysis set comprised 700 genomes from care home residents. Additionally, a randomised selection of 700 genomes from non-care home residents was used for comparing lineage composition, and genomes from 76 healthcare workers tested at CUH were included for the analysis of care home resident-HCW transmission. Consensus fasta sequences for the 1,476 genomes are publicly accessible through the COG-UK website data section (<https://www.cogconsortium.uk/data/>). COG-UK also regularly deposits data into public databases such as GISAID (<https://www.gisaid.org/>). COG-UK sequence codes, GISAID accession IDs and virus names for the 1,476 analysed genomes are included below. “Sample date” refers to date of sampling collection; if this is missing then sample receive date in the diagnostic laboratory is used instead.

|  |  |  |  |
| --- | --- | --- | --- |
| **COG-UK ID** | **Virus name** | **Accession ID** | **Sample date** |
| CAMB-8473C | hCoV-19/England/CAMB-8473C/2020 | EPI\_ISL\_440499 | 26/02/2020 |
| CAMB-84778 | hCoV-19/England/CAMB-84778/2020 | EPI\_ISL\_440514 | 28/02/2020 |
| CAMB-84875 | hCoV-19/England/CAMB-84875/2020 | EPI\_ISL\_440554 | 04/03/2020 |
| CAMB-84945 | hCoV-19/England/CAMB-84945/2020 | EPI\_ISL\_440535 | 07/03/2020 |
| CAMB-84954 | hCoV-19/England/CAMB-84954/2020 | EPI\_ISL\_440474 | 07/03/2020 |
| CAMB-849CD | hCoV-19/England/CAMB-849CD/2020 | EPI\_ISL\_440479 | 09/03/2020 |
| CAMB-846E4 | hCoV-19/England/CAMB-846E4/2020 | EPI\_ISL\_440534 | 10/03/2020 |
| CAMB-84A06 | hCoV-19/England/CAMB-84A06/2020 | EPI\_ISL\_440543 | 10/03/2020 |
| CAMB-84AAC | hCoV-19/England/CAMB-84AAC/2020 | EPI\_ISL\_440545 | 10/03/2020 |
| CAMB-84AD9 | hCoV-19/England/CAMB-84AD9/2020 | EPI\_ISL\_440490 | 10/03/2020 |
| CAMB-84AF7 | hCoV-19/England/CAMB-84AF7/2020 | EPI\_ISL\_440523 | 10/03/2020 |
| CAMB-84B6D | hCoV-19/England/CAMB-84B6D/2020 | EPI\_ISL\_440525 | 10/03/2020 |
| CAMB-84B12 | hCoV-19/England/CAMB-84B12/2020 | EPI\_ISL\_440477 | 11/03/2020 |
| CAMB-84BB8 | hCoV-19/England/CAMB-84BB8/2020 | EPI\_ISL\_440485 | 11/03/2020 |
| CAMB-84C3D | hCoV-19/England/CAMB-84C3D/2020 | EPI\_ISL\_440547 | 11/03/2020 |
| CAMB-84F70 | hCoV-19/England/CAMB-84F70/2020 | EPI\_ISL\_440451 | 11/03/2020 |
| CAMB-7524C | hCoV-19/England/CAMB-7524C/2020 | EPI\_ISL\_440375 | 12/03/2020 |
| CAMB-753B2 | hCoV-19/England/CAMB-753B2/2020 | EPI\_ISL\_440378 | 12/03/2020 |
| CAMB-75622 | hCoV-19/England/CAMB-75622/2020 | EPI\_ISL\_425415 | 12/03/2020 |
| CAMB-84B8B | hCoV-19/England/CAMB-84B8B/2020 | EPI\_ISL\_440516 | 12/03/2020 |
| CAMB-84C1F | hCoV-19/England/CAMB-84C1F/2020 | EPI\_ISL\_440539 | 12/03/2020 |
| CAMB-84D76 | hCoV-19/England/CAMB-84D76/2020 | EPI\_ISL\_440470 | 12/03/2020 |
| CAMB-84E73 | hCoV-19/England/CAMB-84E73/2020 | EPI\_ISL\_440465 | 12/03/2020 |
| CAMB-754FB | hCoV-19/England/CAMB-754FB/2020 | EPI\_ISL\_425399 | 13/03/2020 |
| CAMB-75516 | hCoV-19/England/CAMB-75516/2020 | EPI\_ISL\_425401 | 13/03/2020 |
| CAMB-75525 | hCoV-19/England/CAMB-75525/2020 | EPI\_ISL\_425402 | 13/03/2020 |
| CAMB-84E37 | hCoV-19/England/CAMB-84E37/2020 | EPI\_ISL\_440459 | 13/03/2020 |
| CAMB-84F9E | hCoV-19/England/CAMB-84F9E/2020 | EPI\_ISL\_440464 | 13/03/2020 |
| CAMB-84FBC | hCoV-19/England/CAMB-84FBC/2020 | EPI\_ISL\_440443 | 13/03/2020 |
| CAMB-74FBF | hCoV-19/England/CAMB-74FBF/2020 | EPI\_ISL\_440380 | 14/03/2020 |
| CAMB-751E5 | hCoV-19/England/CAMB-751E5/2020 | EPI\_ISL\_440396 | 14/03/2020 |
| CAMB-7525B | hCoV-19/England/CAMB-7525B/2020 | EPI\_ISL\_440403 | 14/03/2020 |
| CAMB-75437 | hCoV-19/England/CAMB-75437/2020 | EPI\_ISL\_425388 | 14/03/2020 |
| CAMB-84E19 | hCoV-19/England/CAMB-84E19/2020 | EPI\_ISL\_440439 | 14/03/2020 |
| CAMB-84EBF | hCoV-19/England/CAMB-84EBF/2020 | EPI\_ISL\_440462 | 14/03/2020 |
| CAMB-750CA | hCoV-19/England/CAMB-750CA/2020 | EPI\_ISL\_440424 | 15/03/2020 |
| CAMB-7537E | hCoV-19/England/CAMB-7537E/2020 | EPI\_ISL\_425386 | 15/03/2020 |
| CAMB-75491 | hCoV-19/England/CAMB-75491/2020 | EPI\_ISL\_425393 | 15/03/2020 |
| CAMB-755BC | hCoV-19/England/CAMB-755BC/2020 | EPI\_ISL\_425408 | 15/03/2020 |
| CAMB-74C21 | hCoV-19/England/CAMB-74C21/2020 | EPI\_ISL\_425358 | 16/03/2020 |
| CAMB-74CA9 | hCoV-19/England/CAMB-74CA9/2020 | EPI\_ISL\_425363 | 16/03/2020 |
| CAMB-74FDD | hCoV-19/England/CAMB-74FDD/2020 | EPI\_ISL\_440398 | 16/03/2020 |
| CAMB-75130 | hCoV-19/England/CAMB-75130/2020 | EPI\_ISL\_440400 | 16/03/2020 |
| CAMB-751A9 | hCoV-19/England/CAMB-751A9/2020 | EPI\_ISL\_440384 | 16/03/2020 |
| CAMB-75367 | hCoV-19/England/CAMB-75367/2020 | EPI\_ISL\_440382 | 16/03/2020 |
| CAMB-75455 | hCoV-19/England/CAMB-75455/2020 | EPI\_ISL\_425389 | 16/03/2020 |
| CAMB-754B7 | hCoV-19/England/CAMB-754B7/2020 | EPI\_ISL\_425395 | 16/03/2020 |
| CAMB-7565F | hCoV-19/England/CAMB-7565F/2020 | EPI\_ISL\_425418 | 16/03/2020 |
| CAMB-7567D | hCoV-19/England/CAMB-7567D/2020 | EPI\_ISL\_425420 | 16/03/2020 |
| CAMB-74BAC | hCoV-19/England/CAMB-74BAC/2020 | EPI\_ISL\_425352 | 17/03/2020 |
| CAMB-74BF7 | hCoV-19/England/CAMB-74BF7/2020 | EPI\_ISL\_425355 | 17/03/2020 |
| CAMB-74C12 | hCoV-19/England/CAMB-74C12/2020 | EPI\_ISL\_425357 | 17/03/2020 |
| CAMB-74CF4 | hCoV-19/England/CAMB-74CF4/2020 | EPI\_ISL\_425366 | 17/03/2020 |
| CAMB-74F82 | hCoV-19/England/CAMB-74F82/2020 | EPI\_ISL\_440392 | 17/03/2020 |
| CAMB-74F91 | hCoV-19/England/CAMB-74F91/2020 | EPI\_ISL\_440385 | 17/03/2020 |
| CAMB-75024 | hCoV-19/England/CAMB-75024/2020 | EPI\_ISL\_440401 | 17/03/2020 |
| CAMB-7522E | hCoV-19/England/CAMB-7522E/2020 | EPI\_ISL\_440422 | 17/03/2020 |
| CAMB-754DD | hCoV-19/England/CAMB-754DD/2020 | EPI\_ISL\_425397 | 17/03/2020 |
| CAMB-73E1D | hCoV-19/England/CAMB-73E1D/2020 | EPI\_ISL\_440330 | 18/03/2020 |
| CAMB-73FA1 | hCoV-19/England/CAMB-73FA1/2020 | EPI\_ISL\_440315 | 18/03/2020 |
| CAMB-74016 | hCoV-19/England/CAMB-74016/2020 | EPI\_ISL\_440303 | 18/03/2020 |
| CAMB-7419B | hCoV-19/England/CAMB-7419B/2020 | EPI\_ISL\_440328 | 18/03/2020 |
| CAMB-74395 | hCoV-19/England/CAMB-74395/2020 | EPI\_ISL\_425284 | 18/03/2020 |
| CAMB-749A2 | hCoV-19/England/CAMB-749A2/2020 | EPI\_ISL\_425341 | 18/03/2020 |
| CAMB-74A09 | hCoV-19/England/CAMB-74A09/2020 | EPI\_ISL\_425342 | 18/03/2020 |
| CAMB-74B33 | hCoV-19/England/CAMB-74B33/2020 | EPI\_ISL\_425347 | 18/03/2020 |
| CAMB-74B42 | hCoV-19/England/CAMB-74B42/2020 | EPI\_ISL\_425348 | 18/03/2020 |
| CAMB-74B60 | hCoV-19/England/CAMB-74B60/2020 | EPI\_ISL\_425350 | 18/03/2020 |
| CAMB-74E58 | hCoV-19/England/CAMB-74E58/2020 | EPI\_ISL\_425379 | 18/03/2020 |
| CAMB-74E85 | hCoV-19/England/CAMB-74E85/2020 | EPI\_ISL\_425382 | 18/03/2020 |
| CAMB-74F37 | hCoV-19/England/CAMB-74F37/2020 | EPI\_ISL\_440394 | 18/03/2020 |
| CAMB-7517C | hCoV-19/England/CAMB-7517C/2020 | EPI\_ISL\_440420 | 18/03/2020 |
| CAMB-75200 | hCoV-19/England/CAMB-75200/2020 | EPI\_ISL\_440434 | 18/03/2020 |
| CAMB-7566E | hCoV-19/England/CAMB-7566E/2020 | EPI\_ISL\_425419 | 18/03/2020 |
| CAMB-73E77 | hCoV-19/England/CAMB-73E77/2020 | EPI\_ISL\_440357 | 19/03/2020 |
| CAMB-73E86 | hCoV-19/England/CAMB-73E86/2020 | EPI\_ISL\_440316 | 19/03/2020 |
| CAMB-73F47 | hCoV-19/England/CAMB-73F47/2020 | EPI\_ISL\_440372 | 19/03/2020 |
| CAMB-73FB0 | hCoV-19/England/CAMB-73FB0/2020 | EPI\_ISL\_440355 | 19/03/2020 |
| CAMB-740CB | hCoV-19/England/CAMB-740CB/2020 | EPI\_ISL\_440306 | 19/03/2020 |
| CAMB-740F8 | hCoV-19/England/CAMB-740F8/2020 | EPI\_ISL\_440305 | 19/03/2020 |
| CAMB-74465 | hCoV-19/England/CAMB-74465/2020 | EPI\_ISL\_425292 | 19/03/2020 |
| CAMB-74B24 | hCoV-19/England/CAMB-74B24/2020 | EPI\_ISL\_425346 | 19/03/2020 |
| CAMB-74C5E | hCoV-19/England/CAMB-74C5E/2020 | EPI\_ISL\_425361 | 19/03/2020 |
| CAMB-74D2E | hCoV-19/England/CAMB-74D2E/2020 | EPI\_ISL\_425369 | 19/03/2020 |
| CAMB-74D3D | hCoV-19/England/CAMB-74D3D/2020 | EPI\_ISL\_425370 | 19/03/2020 |
| CAMB-74D6A | hCoV-19/England/CAMB-74D6A/2020 | EPI\_ISL\_425374 | 19/03/2020 |
| CAMB-75121 | hCoV-19/England/CAMB-75121/2020 | EPI\_ISL\_440435 | 19/03/2020 |
| CAMB-73527 | hCoV-19/England/CAMB-73527/2020 | EPI\_ISL\_440211 | 20/03/2020 |
| CAMB-73581 | hCoV-19/England/CAMB-73581/2020 | EPI\_ISL\_440147 | 20/03/2020 |
| CAMB-735AF | hCoV-19/England/CAMB-735AF/2020 | EPI\_ISL\_440164 | 20/03/2020 |
| CAMB-735CD | hCoV-19/England/CAMB-735CD/2020 | EPI\_ISL\_440073 | 20/03/2020 |
| CAMB-735DC | hCoV-19/England/CAMB-735DC/2020 | EPI\_ISL\_440111 | 20/03/2020 |
| CAMB-73F29 | hCoV-19/England/CAMB-73F29/2020 | EPI\_ISL\_440324 | 20/03/2020 |
| CAMB-74104 | hCoV-19/England/CAMB-74104/2020 | EPI\_ISL\_440347 | 20/03/2020 |
| CAMB-74140 | hCoV-19/England/CAMB-74140/2020 | EPI\_ISL\_440369 | 20/03/2020 |
| CAMB-741AA | hCoV-19/England/CAMB-741AA/2020 | EPI\_ISL\_440364 | 20/03/2020 |
| CAMB-7424D | hCoV-19/England/CAMB-7424D/2020 | EPI\_ISL\_440371 | 20/03/2020 |
| CAMB-7427A | hCoV-19/England/CAMB-7427A/2020 | EPI\_ISL\_440362 | 20/03/2020 |
| CAMB-74377 | hCoV-19/England/CAMB-74377/2020 | EPI\_ISL\_425282 | 20/03/2020 |
| CAMB-744A1 | hCoV-19/England/CAMB-744A1/2020 | EPI\_ISL\_425296 | 20/03/2020 |
| CAMB-758A4 | hCoV-19/England/CAMB-758A4/2020 | EPI\_ISL\_440351 | 20/03/2020 |
| CAMB-72476 | hCoV-19/England/CAMB-72476/2020 | EPI\_ISL\_439552 | 21/03/2020 |
| CAMB-724FE | hCoV-19/England/CAMB-724FE/2020 | EPI\_ISL\_439600 | 21/03/2020 |
| CAMB-72EB4 | hCoV-19/England/CAMB-72EB4/2020 | EPI\_ISL\_440080 | 21/03/2020 |
| CAMB-72FEE | hCoV-19/England/CAMB-72FEE/2020 | EPI\_ISL\_440144 | 21/03/2020 |
| CAMB-73017 | hCoV-19/England/CAMB-73017/2020 | EPI\_ISL\_440239 | 21/03/2020 |
| CAMB-73053 | hCoV-19/England/CAMB-73053/2020 | EPI\_ISL\_440166 | 21/03/2020 |
| CAMB-73071 | hCoV-19/England/CAMB-73071/2020 | EPI\_ISL\_440208 | 21/03/2020 |
| CAMB-73114 | hCoV-19/England/CAMB-73114/2020 | EPI\_ISL\_440240 | 21/03/2020 |
| CAMB-7317E | hCoV-19/England/CAMB-7317E/2020 | EPI\_ISL\_440264 | 21/03/2020 |
| CAMB-731AB | hCoV-19/England/CAMB-731AB/2020 | EPI\_ISL\_440203 | 21/03/2020 |
| CAMB-731D8 | hCoV-19/England/CAMB-731D8/2020 | EPI\_ISL\_440143 | 21/03/2020 |
| CAMB-731F6 | hCoV-19/England/CAMB-731F6/2020 | EPI\_ISL\_440282 | 21/03/2020 |
| CAMB-73211 | hCoV-19/England/CAMB-73211/2020 | EPI\_ISL\_440287 | 21/03/2020 |
| CAMB-7333C | hCoV-19/England/CAMB-7333C/2020 | EPI\_ISL\_440109 | 21/03/2020 |
| CAMB-734EE | hCoV-19/England/CAMB-734EE/2020 | EPI\_ISL\_440007 | 21/03/2020 |
| CAMB-736AC | hCoV-19/England/CAMB-736AC/2020 | EPI\_ISL\_440159 | 21/03/2020 |
| CAMB-7282F | hCoV-19/England/CAMB-7282F/2020 | EPI\_ISL\_439606 | 22/03/2020 |
| CAMB-728B6 | hCoV-19/England/CAMB-728B6/2020 | EPI\_ISL\_439941 | 22/03/2020 |
| CAMB-7292C | hCoV-19/England/CAMB-7292C/2020 | EPI\_ISL\_439909 | 22/03/2020 |
| CAMB-72AB0 | hCoV-19/England/CAMB-72AB0/2020 | EPI\_ISL\_439865 | 22/03/2020 |
| CAMB-72B44 | hCoV-19/England/CAMB-72B44/2020 | EPI\_ISL\_440064 | 22/03/2020 |
| CAMB-72BEA | hCoV-19/England/CAMB-72BEA/2020 | EPI\_ISL\_439996 | 22/03/2020 |
| CAMB-72C23 | hCoV-19/England/CAMB-72C23/2020 | EPI\_ISL\_439963 | 22/03/2020 |
| CAMB-72C41 | hCoV-19/England/CAMB-72C41/2020 | EPI\_ISL\_439975 | 22/03/2020 |
| CAMB-72C6F | hCoV-19/England/CAMB-72C6F/2020 | EPI\_ISL\_440046 | 22/03/2020 |
| CAMB-72C9C | hCoV-19/England/CAMB-72C9C/2020 | EPI\_ISL\_440040 | 22/03/2020 |
| CAMB-72D11 | hCoV-19/England/CAMB-72D11/2020 | EPI\_ISL\_440072 | 22/03/2020 |
| CAMB-72D7B | hCoV-19/England/CAMB-72D7B/2020 | EPI\_ISL\_440009 | 22/03/2020 |
| CAMB-72F93 | hCoV-19/England/CAMB-72F93/2020 | EPI\_ISL\_440263 | 22/03/2020 |
| CAMB-7319C | hCoV-19/England/CAMB-7319C/2020 | EPI\_ISL\_440271 | 22/03/2020 |
| CAMB-7323F | hCoV-19/England/CAMB-7323F/2020 | EPI\_ISL\_440217 | 22/03/2020 |
| CAMB-7327B | hCoV-19/England/CAMB-7327B/2020 | EPI\_ISL\_440184 | 22/03/2020 |
| CAMB-733A5 | hCoV-19/England/CAMB-733A5/2020 | EPI\_ISL\_440259 | 22/03/2020 |
| CAMB-733D2 | hCoV-19/England/CAMB-733D2/2020 | EPI\_ISL\_439961 | 22/03/2020 |
| CAMB-73712 | hCoV-19/England/CAMB-73712/2020 | EPI\_ISL\_440163 | 22/03/2020 |
| CAMB-74614 | hCoV-19/England/CAMB-74614/2020 | EPI\_ISL\_425316 | 22/03/2020 |
| CAMB-74623 | hCoV-19/England/CAMB-74623/2020 | EPI\_ISL\_425317 | 22/03/2020 |
| CAMB-72546 | hCoV-19/England/CAMB-72546/2020 | EPI\_ISL\_439541 | 23/03/2020 |
| CAMB-725EC | hCoV-19/England/CAMB-725EC/2020 | EPI\_ISL\_439898 | 23/03/2020 |
| CAMB-7269E | hCoV-19/England/CAMB-7269E/2020 | EPI\_ISL\_439897 | 23/03/2020 |
| CAMB-72740 | hCoV-19/England/CAMB-72740/2020 | EPI\_ISL\_439644 | 23/03/2020 |
| CAMB-727C8 | hCoV-19/England/CAMB-727C8/2020 | EPI\_ISL\_439538 | 23/03/2020 |
| CAMB-72889 | hCoV-19/England/CAMB-72889/2020 | EPI\_ISL\_439912 | 23/03/2020 |
| CAMB-72986 | hCoV-19/England/CAMB-72986/2020 | EPI\_ISL\_439566 | 23/03/2020 |
| CAMB-729A4 | hCoV-19/England/CAMB-729A4/2020 | EPI\_ISL\_439568 | 23/03/2020 |
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| CAMB-72A56 | hCoV-19/England/CAMB-72A56/2020 | EPI\_ISL\_439868 | 23/03/2020 |
| CAMB-72B62 | hCoV-19/England/CAMB-72B62/2020 | EPI\_ISL\_440096 | 23/03/2020 |
| CAMB-72BAE | hCoV-19/England/CAMB-72BAE/2020 | EPI\_ISL\_440017 | 23/03/2020 |
| CAMB-72C14 | hCoV-19/England/CAMB-72C14/2020 | EPI\_ISL\_440077 | 23/03/2020 |
| CAMB-72E96 | hCoV-19/England/CAMB-72E96/2020 | EPI\_ISL\_440078 | 23/03/2020 |
| CAMB-72EA5 | hCoV-19/England/CAMB-72EA5/2020 | EPI\_ISL\_440074 | 23/03/2020 |
| CAMB-72F0C | hCoV-19/England/CAMB-72F0C/2020 | EPI\_ISL\_439954 | 23/03/2020 |
| CAMB-73008 | hCoV-19/England/CAMB-73008/2020 | EPI\_ISL\_440226 | 23/03/2020 |
| CAMB-730AE | hCoV-19/England/CAMB-730AE/2020 | EPI\_ISL\_440179 | 23/03/2020 |
| CAMB-731C9 | hCoV-19/England/CAMB-731C9/2020 | EPI\_ISL\_440230 | 23/03/2020 |
| CAMB-7243A | hCoV-19/England/CAMB-7243A/2020 | EPI\_ISL\_439584 | 24/03/2020 |
| CAMB-72458 | hCoV-19/England/CAMB-72458/2020 | EPI\_ISL\_439940 | 24/03/2020 |
| CAMB-72591 | hCoV-19/England/CAMB-72591/2020 | EPI\_ISL\_439889 | 24/03/2020 |
| CAMB-7233D | hCoV-19/England/CAMB-7233D/2020 | EPI\_ISL\_439651 | 25/03/2020 |
| CAMB-784CB | hCoV-19/England/CAMB-784CB/2020 | EPI\_ISL\_433741 | 26/03/2020 |
| CAMB-784E9 | hCoV-19/England/CAMB-784E9/2020 | EPI\_ISL\_433743 | 26/03/2020 |
| CAMB-79A04 | hCoV-19/England/CAMB-79A04/2020 | EPI\_ISL\_433813 | 26/03/2020 |
| CAMB-79A40 | hCoV-19/England/CAMB-79A40/2020 | EPI\_ISL\_433815 | 26/03/2020 |
| CAMB-72018 | hCoV-19/England/CAMB-72018/2020 | EPI\_ISL\_439548 | 27/03/2020 |
| CAMB-74517 | hCoV-19/England/CAMB-74517/2020 | EPI\_ISL\_425301 | 27/03/2020 |
| CAMB-74526 | hCoV-19/England/CAMB-74526/2020 | EPI\_ISL\_425302 | 27/03/2020 |
| CAMB-78504 | hCoV-19/England/CAMB-78504/2020 | EPI\_ISL\_433744 | 27/03/2020 |
| CAMB-79A9B | hCoV-19/England/CAMB-79A9B/2020 | EPI\_ISL\_433818 | 27/03/2020 |
| CAMB-79AB9 | hCoV-19/England/CAMB-79AB9/2020 | EPI\_ISL\_433819 | 27/03/2020 |
| CAMB-79AF5 | hCoV-19/England/CAMB-79AF5/2020 | EPI\_ISL\_433823 | 27/03/2020 |
| CAMB-71E6A | hCoV-19/England/CAMB-71E6A/2020 | EPI\_ISL\_439654 | 28/03/2020 |
| CAMB-71F67 | hCoV-19/England/CAMB-71F67/2020 | EPI\_ISL\_439936 | 28/03/2020 |
| CAMB-71FB2 | hCoV-19/England/CAMB-71FB2/2020 | EPI\_ISL\_439873 | 28/03/2020 |
| CAMB-72045 | hCoV-19/England/CAMB-72045/2020 | EPI\_ISL\_439631 | 28/03/2020 |
| CAMB-72063 | hCoV-19/England/CAMB-72063/2020 | EPI\_ISL\_439942 | 28/03/2020 |
| CAMB-72072 | hCoV-19/England/CAMB-72072/2020 | EPI\_ISL\_439894 | 28/03/2020 |
| CAMB-72160 | hCoV-19/England/CAMB-72160/2020 | EPI\_ISL\_439887 | 28/03/2020 |
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| CAMB-75B9C | hCoV-19/England/CAMB-75B9C/2020 | EPI\_ISL\_438439 | 28/03/2020 |
| CAMB-75BAB | hCoV-19/England/CAMB-75BAB/2020 | EPI\_ISL\_438307 | 28/03/2020 |
| CAMB-75C6C | hCoV-19/England/CAMB-75C6C/2020 | EPI\_ISL\_438463 | 28/03/2020 |
| CAMB-76005 | hCoV-19/England/CAMB-76005/2020 | EPI\_ISL\_438415 | 28/03/2020 |
| CAMB-762D2 | hCoV-19/England/CAMB-762D2/2020 | EPI\_ISL\_438362 | 28/03/2020 |
| CAMB-71E88 | hCoV-19/England/CAMB-71E88/2020 | EPI\_ISL\_439907 | 29/03/2020 |
| CAMB-71F49 | hCoV-19/England/CAMB-71F49/2020 | EPI\_ISL\_439626 | 29/03/2020 |
| CAMB-72054 | hCoV-19/England/CAMB-72054/2020 | EPI\_ISL\_439916 | 29/03/2020 |
| CAMB-7218E | hCoV-19/England/CAMB-7218E/2020 | EPI\_ISL\_439598 | 29/03/2020 |
| CAMB-73994 | hCoV-19/England/CAMB-73994/2020 | EPI\_ISL\_425260 | 29/03/2020 |
| CAMB-7468D | hCoV-19/England/CAMB-7468D/2020 | EPI\_ISL\_425321 | 29/03/2020 |
| CAMB-7469C | hCoV-19/England/CAMB-7469C/2020 | EPI\_ISL\_425322 | 29/03/2020 |
| CAMB-74711 | hCoV-19/England/CAMB-74711/2020 | EPI\_ISL\_425327 | 29/03/2020 |
| CAMB-74720 | hCoV-19/England/CAMB-74720/2020 | EPI\_ISL\_425328 | 29/03/2020 |
| CAMB-7473F | hCoV-19/England/CAMB-7473F/2020 | EPI\_ISL\_425329 | 29/03/2020 |
| CAMB-7474E | hCoV-19/England/CAMB-7474E/2020 | EPI\_ISL\_425330 | 29/03/2020 |
| CAMB-759FC | hCoV-19/England/CAMB-759FC/2020 | EPI\_ISL\_438258 | 29/03/2020 |
| CAMB-75ADB | hCoV-19/England/CAMB-75ADB/2020 | EPI\_ISL\_438448 | 29/03/2020 |
| CAMB-75B41 | hCoV-19/England/CAMB-75B41/2020 | EPI\_ISL\_438378 | 29/03/2020 |
| CAMB-75C8A | hCoV-19/England/CAMB-75C8A/2020 | EPI\_ISL\_438262 | 29/03/2020 |
| CAMB-75D1E | hCoV-19/England/CAMB-75D1E/2020 | EPI\_ISL\_438355 | 29/03/2020 |
| CAMB-75D2D | hCoV-19/England/CAMB-75D2D/2020 | EPI\_ISL\_438423 | 29/03/2020 |
| CAMB-75D4B | hCoV-19/England/CAMB-75D4B/2020 | EPI\_ISL\_438420 | 29/03/2020 |
| CAMB-75D69 | hCoV-19/England/CAMB-75D69/2020 | EPI\_ISL\_438284 | 29/03/2020 |
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| CAMB-76894 | hCoV-19/England/CAMB-76894/2020 | EPI\_ISL\_438286 | 29/03/2020 |
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| CAMB-73A82 | hCoV-19/England/CAMB-73A82/2020 | EPI\_ISL\_425273 | 30/03/2020 |
| CAMB-75B7E | hCoV-19/England/CAMB-75B7E/2020 | EPI\_ISL\_438278 | 30/03/2020 |
| CAMB-75CF3 | hCoV-19/England/CAMB-75CF3/2020 | EPI\_ISL\_438451 | 30/03/2020 |
| CAMB-76032 | hCoV-19/England/CAMB-76032/2020 | EPI\_ISL\_439507 | 30/03/2020 |
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| CAMB-76102 | hCoV-19/England/CAMB-76102/2020 | EPI\_ISL\_439442 | 30/03/2020 |
| CAMB-7614E | hCoV-19/England/CAMB-7614E/2020 | EPI\_ISL\_439469 | 30/03/2020 |
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| CAMB-762E1 | hCoV-19/England/CAMB-762E1/2020 | EPI\_ISL\_438413 | 30/03/2020 |
| CAMB-76393 | hCoV-19/England/CAMB-76393/2020 | EPI\_ISL\_438274 | 30/03/2020 |
| CAMB-763A2 | hCoV-19/England/CAMB-763A2/2020 | EPI\_ISL\_438400 | 30/03/2020 |
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| CAMB-765BB | hCoV-19/England/CAMB-765BB/2020 | EPI\_ISL\_438538 | 30/03/2020 |
| CAMB-766E5 | hCoV-19/England/CAMB-766E5/2020 | EPI\_ISL\_438506 | 30/03/2020 |
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| CAMB-76991 | hCoV-19/England/CAMB-76991/2020 | EPI\_ISL\_438424 | 30/03/2020 |
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| CAMB-71C42 | hCoV-19/England/CAMB-71C42/2020 | EPI\_ISL\_439880 | 31/03/2020 |
| CAMB-71C60 | hCoV-19/England/CAMB-71C60/2020 | EPI\_ISL\_439607 | 31/03/2020 |
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| CAMB-77040 | hCoV-19/England/CAMB-77040/2020 | EPI\_ISL\_425454 | 31/03/2020 |
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| CAMB-77277 | hCoV-19/England/CAMB-77277/2020 | EPI\_ISL\_438509 | 31/03/2020 |
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| CAMB-77383 | hCoV-19/England/CAMB-77383/2020 | EPI\_ISL\_438544 | 31/03/2020 |
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| CAMB-7809A | hCoV-19/England/CAMB-7809A/2020 | EPI\_ISL\_441152 | 31/03/2020 |
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| CAMB-7FB47 | hCoV-19/England/CAMB-7FB47/2020 | EPI\_ISL\_433480 | 17/04/2020 |
| CAMB-7FB56 | hCoV-19/England/CAMB-7FB56/2020 | EPI\_ISL\_433481 | 17/04/2020 |
| CAMB-7FB65 | hCoV-19/England/CAMB-7FB65/2020 | EPI\_ISL\_433482 | 17/04/2020 |
| CAMB-7FB74 | hCoV-19/England/CAMB-7FB74/2020 | EPI\_ISL\_433483 | 17/04/2020 |
| CAMB-7FB83 | hCoV-19/England/CAMB-7FB83/2020 | EPI\_ISL\_433484 | 17/04/2020 |
| CAMB-7FB92 | hCoV-19/England/CAMB-7FB92/2020 | EPI\_ISL\_433485 | 17/04/2020 |
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| CAMB-80E86 | hCoV-19/England/CAMB-80E86/2020 | EPI\_ISL\_444438 | 17/04/2020 |
| CAMB-80EB3 | hCoV-19/England/CAMB-80EB3/2020 | EPI\_ISL\_444441 | 17/04/2020 |
| CAMB-80EC2 | hCoV-19/England/CAMB-80EC2/2020 | EPI\_ISL\_444442 | 17/04/2020 |
| CAMB-80EE0 | hCoV-19/England/CAMB-80EE0/2020 | EPI\_ISL\_444444 | 17/04/2020 |
| CAMB-841C5 | hCoV-19/England/CAMB-841C5/2020 | EPI\_ISL\_443480 | 17/04/2020 |
| CAMB-844EA | hCoV-19/England/CAMB-844EA/2020 | EPI\_ISL\_443620 | 17/04/2020 |
| CAMB-845AB | hCoV-19/England/CAMB-845AB/2020 | EPI\_ISL\_443658 | 17/04/2020 |
| CAMB-1AA5BD | hCoV-19/England/CAMB-1AA5BD/2020 | EPI\_ISL\_470092 | 18/04/2020 |
| CAMB-1AA92A | hCoV-19/England/CAMB-1AA92A/2020 | EPI\_ISL\_470346 | 18/04/2020 |
| CAMB-1AA948 | hCoV-19/England/CAMB-1AA948/2020 | EPI\_ISL\_470243 | 18/04/2020 |
| CAMB-1AAA54 | hCoV-19/England/CAMB-1AAA54/2020 | EPI\_ISL\_470340 | 18/04/2020 |
| CAMB-1AAA90 | hCoV-19/England/CAMB-1AAA90/2020 | EPI\_ISL\_470235 | 18/04/2020 |
| CAMB-1AAB06 | hCoV-19/England/CAMB-1AAB06/2020 | EPI\_ISL\_470191 | 18/04/2020 |
| CAMB-1AAB24 | hCoV-19/England/CAMB-1AAB24/2020 | EPI\_ISL\_470144 | 18/04/2020 |
| CAMB-1AABAC | hCoV-19/England/CAMB-1AABAC/2020 | EPI\_ISL\_470155 | 18/04/2020 |
| CAMB-1AABD9 | hCoV-19/England/CAMB-1AABD9/2020 | EPI\_ISL\_470190 | 18/04/2020 |
| CAMB-1AABE8 | hCoV-19/England/CAMB-1AABE8/2020 | EPI\_ISL\_470104 | 18/04/2020 |
| CAMB-1AACF4 | hCoV-19/England/CAMB-1AACF4/2020 | EPI\_ISL\_470250 | 18/04/2020 |
| CAMB-1AAD79 | hCoV-19/England/CAMB-1AAD79/2020 | EPI\_ISL\_470282 | 18/04/2020 |
| CAMB-1AAE1C | hCoV-19/England/CAMB-1AAE1C/2020 | EPI\_ISL\_470260 | 18/04/2020 |
| CAMB-1AB21F | hCoV-19/England/CAMB-1AB21F/2020 | EPI\_ISL\_470241 | 18/04/2020 |
| CAMB-7F88C | hCoV-19/England/CAMB-7F88C/2020 | EPI\_ISL\_433477 | 18/04/2020 |
| CAMB-7FD23 | hCoV-19/England/CAMB-7FD23/2020 | EPI\_ISL\_444406 | 18/04/2020 |
| CAMB-80E59 | hCoV-19/England/CAMB-80E59/2020 | EPI\_ISL\_444435 | 18/04/2020 |
| CAMB-1AA8E1 | hCoV-19/England/CAMB-1AA8E1/2020 | EPI\_ISL\_470272 | 19/04/2020 |
| CAMB-1AAE0D | hCoV-19/England/CAMB-1AAE0D/2020 | EPI\_ISL\_470326 | 19/04/2020 |
| CAMB-1AB112 | hCoV-19/England/CAMB-1AB112/2020 | EPI\_ISL\_470273 | 19/04/2020 |
| CAMB-1AB18B | hCoV-19/England/CAMB-1AB18B/2020 | EPI\_ISL\_470177 | 19/04/2020 |
| CAMB-1AB19A | hCoV-19/England/CAMB-1AB19A/2020 | EPI\_ISL\_470334 | 19/04/2020 |
| CAMB-1AB1A9 | hCoV-19/England/CAMB-1AB1A9/2020 | EPI\_ISL\_470305 | 19/04/2020 |
| CAMB-1AB4FB | hCoV-19/England/CAMB-1AB4FB/2020 | EPI\_ISL\_470263 | 19/04/2020 |
| CAMB-1ABB6F | hCoV-19/England/CAMB-1ABB6F/2020 | EPI\_ISL\_470284 | 19/04/2020 |
| CAMB-1ABC6C | hCoV-19/England/CAMB-1ABC6C/2020 | EPI\_ISL\_470261 | 19/04/2020 |
| CAMB-7FD05 | hCoV-19/England/CAMB-7FD05/2020 | EPI\_ISL\_444405 | 19/04/2020 |
| CAMB-7FE20 | hCoV-19/England/CAMB-7FE20/2020 | EPI\_ISL\_444421 | 19/04/2020 |
| CAMB-7FE3F | hCoV-19/England/CAMB-7FE3F/2020 | EPI\_ISL\_444422 | 19/04/2020 |
| CAMB-7FEE4 | hCoV-19/England/CAMB-7FEE4/2020 | EPI\_ISL\_444431 | 19/04/2020 |
| CAMB-81061 | hCoV-19/England/CAMB-81061/2020 | EPI\_ISL\_438560 | 19/04/2020 |
| CAMB-81140 | hCoV-19/England/CAMB-81140/2020 | EPI\_ISL\_438572 | 19/04/2020 |
| CAMB-1AAE67 | hCoV-19/England/CAMB-1AAE67/2020 | EPI\_ISL\_444320 | 20/04/2020 |
| CAMB-1AB1F4 | hCoV-19/England/CAMB-1AB1F4/2020 | EPI\_ISL\_470265 | 20/04/2020 |
| CAMB-1AB23D | hCoV-19/England/CAMB-1AB23D/2020 | EPI\_ISL\_470276 | 20/04/2020 |
| CAMB-1AB2B5 | hCoV-19/England/CAMB-1AB2B5/2020 | EPI\_ISL\_470297 | 20/04/2020 |
| CAMB-1AB3C1 | hCoV-19/England/CAMB-1AB3C1/2020 | EPI\_ISL\_470204 | 20/04/2020 |
| CAMB-1AB4DD | hCoV-19/England/CAMB-1AB4DD/2020 | EPI\_ISL\_470245 | 20/04/2020 |
| CAMB-1AB895 | hCoV-19/England/CAMB-1AB895/2020 | EPI\_ISL\_470318 | 20/04/2020 |
| CAMB-1ABAAE | hCoV-19/England/CAMB-1ABAAE/2020 | EPI\_ISL\_470142 | 20/04/2020 |
| CAMB-1ABB32 | hCoV-19/England/CAMB-1ABB32/2020 | EPI\_ISL\_470151 | 20/04/2020 |
| CAMB-1ABB41 | hCoV-19/England/CAMB-1ABB41/2020 | EPI\_ISL\_470157 | 20/04/2020 |
| CAMB-1ABBAB | hCoV-19/England/CAMB-1ABBAB/2020 | EPI\_ISL\_470266 | 20/04/2020 |
| CAMB-1ABBF6 | hCoV-19/England/CAMB-1ABBF6/2020 | EPI\_ISL\_470186 | 20/04/2020 |
| CAMB-1ABC3F | hCoV-19/England/CAMB-1ABC3F/2020 | EPI\_ISL\_470271 | 20/04/2020 |
| CAMB-1ABC5D | hCoV-19/England/CAMB-1ABC5D/2020 | EPI\_ISL\_470323 | 20/04/2020 |
| CAMB-1ABCC6 | hCoV-19/England/CAMB-1ABCC6/2020 | EPI\_ISL\_470291 | 20/04/2020 |
| CAMB-1ABD5A | hCoV-19/England/CAMB-1ABD5A/2020 | EPI\_ISL\_470320 | 20/04/2020 |
| CAMB-79943 | hCoV-19/England/CAMB-79943/2020 | EPI\_ISL\_444393 | 20/04/2020 |
| CAMB-7FD32 | hCoV-19/England/CAMB-7FD32/2020 | EPI\_ISL\_444407 | 20/04/2020 |
| CAMB-7FD6F | hCoV-19/England/CAMB-7FD6F/2020 | EPI\_ISL\_444409 | 20/04/2020 |
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| CAMB-81043 | hCoV-19/England/CAMB-81043/2020 | EPI\_ISL\_438559 | 20/04/2020 |
| CAMB-8109E | hCoV-19/England/CAMB-8109E/2020 | EPI\_ISL\_438563 | 20/04/2020 |
| CAMB-810AD | hCoV-19/England/CAMB-810AD/2020 | EPI\_ISL\_438564 | 20/04/2020 |
| CAMB-81122 | hCoV-19/England/CAMB-81122/2020 | EPI\_ISL\_438570 | 20/04/2020 |
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| CAMB-81FA0 | hCoV-19/England/CAMB-81FA0/2020 | EPI\_ISL\_438602 | 20/04/2020 |
| CAMB-81FCE | hCoV-19/England/CAMB-81FCE/2020 | EPI\_ISL\_438604 | 20/04/2020 |
| CAMB-82006 | hCoV-19/England/CAMB-82006/2020 | EPI\_ISL\_438608 | 20/04/2020 |
| CAMB-821A9 | hCoV-19/England/CAMB-821A9/2020 | EPI\_ISL\_438628 | 20/04/2020 |
| CAMB-1AB40A | hCoV-19/England/CAMB-1AB40A/2020 | EPI\_ISL\_470306 | 21/04/2020 |
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| CAMB-1AB59E | hCoV-19/England/CAMB-1AB59E/2020 | EPI\_ISL\_470195 | 21/04/2020 |
| CAMB-1AB5BC | hCoV-19/England/CAMB-1AB5BC/2020 | EPI\_ISL\_470213 | 21/04/2020 |
| CAMB-1AB5DA | hCoV-19/England/CAMB-1AB5DA/2020 | EPI\_ISL\_470120 | 21/04/2020 |
| CAMB-1AB631 | hCoV-19/England/CAMB-1AB631/2020 | EPI\_ISL\_470170 | 21/04/2020 |
| CAMB-1AB65F | hCoV-19/England/CAMB-1AB65F/2020 | EPI\_ISL\_470332 | 21/04/2020 |
| CAMB-1AB69B | hCoV-19/England/CAMB-1AB69B/2020 | EPI\_ISL\_470342 | 21/04/2020 |
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| CAMB-1AB9ED | hCoV-19/England/CAMB-1AB9ED/2020 | EPI\_ISL\_470146 | 21/04/2020 |
| CAMB-1ABA26 | hCoV-19/England/CAMB-1ABA26/2020 | EPI\_ISL\_470296 | 21/04/2020 |
| CAMB-1ABD69 | hCoV-19/England/CAMB-1ABD69/2020 | EPI\_ISL\_470335 | 21/04/2020 |
| CAMB-1ABD78 | hCoV-19/England/CAMB-1ABD78/2020 | EPI\_ISL\_470258 | 21/04/2020 |
| CAMB-1ABD87 | hCoV-19/England/CAMB-1ABD87/2020 | EPI\_ISL\_470227 | 21/04/2020 |
| CAMB-1ABE2A | hCoV-19/England/CAMB-1ABE2A/2020 | EPI\_ISL\_470270 | 21/04/2020 |
| CAMB-81E58 | hCoV-19/England/CAMB-81E58/2020 | EPI\_ISL\_438585 | 21/04/2020 |
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| CAMB-81FBF | hCoV-19/England/CAMB-81FBF/2020 | EPI\_ISL\_438603 | 21/04/2020 |
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| CAMB-82015 | hCoV-19/England/CAMB-82015/2020 | EPI\_ISL\_438609 | 21/04/2020 |
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| CAMB-820AC | hCoV-19/England/CAMB-820AC/2020 | EPI\_ISL\_438618 | 21/04/2020 |
| CAMB-82103 | hCoV-19/England/CAMB-82103/2020 | EPI\_ISL\_438620 | 21/04/2020 |
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| CAMB-8217C | hCoV-19/England/CAMB-8217C/2020 | EPI\_ISL\_438625 | 21/04/2020 |
| CAMB-821C7 | hCoV-19/England/CAMB-821C7/2020 | EPI\_ISL\_438630 | 21/04/2020 |
| CAMB-8222E | hCoV-19/England/CAMB-8222E/2020 | EPI\_ISL\_438634 | 21/04/2020 |
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| CAMB-1AB66E | hCoV-19/England/CAMB-1AB66E/2020 | EPI\_ISL\_470099 | 22/04/2020 |
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| CAMB-79934 | hCoV-19/England/CAMB-79934/2020 | EPI\_ISL\_444392 | 22/04/2020 |
| CAMB-81EC1 | hCoV-19/England/CAMB-81EC1/2020 | EPI\_ISL\_438591 | 22/04/2020 |
| CAMB-82A80 | hCoV-19/England/CAMB-82A80/2020 | EPI\_ISL\_438653 | 22/04/2020 |
| CAMB-82B23 | hCoV-19/England/CAMB-82B23/2020 | EPI\_ISL\_438661 | 22/04/2020 |
| CAMB-82B50 | hCoV-19/England/CAMB-82B50/2020 | EPI\_ISL\_438663 | 22/04/2020 |
| CAMB-82B6F | hCoV-19/England/CAMB-82B6F/2020 | EPI\_ISL\_438664 | 22/04/2020 |
| CAMB-83D0E | hCoV-19/England/CAMB-83D0E/2020 | EPI\_ISL\_438683 | 22/04/2020 |
| CAMB-83FBD | hCoV-19/England/CAMB-83FBD/2020 | EPI\_ISL\_438718 | 22/04/2020 |
| CAMB-829FC | hCoV-19/England/CAMB-829FC/2020 | EPI\_ISL\_438645 | 23/04/2020 |
| CAMB-82A9F | hCoV-19/England/CAMB-82A9F/2020 | EPI\_ISL\_438654 | 23/04/2020 |
| CAMB-82AAE | hCoV-19/England/CAMB-82AAE/2020 | EPI\_ISL\_438655 | 23/04/2020 |
| CAMB-82B32 | hCoV-19/England/CAMB-82B32/2020 | EPI\_ISL\_438662 | 23/04/2020 |
| CAMB-83CF2 | hCoV-19/England/CAMB-83CF2/2020 | EPI\_ISL\_438682 | 23/04/2020 |
| CAMB-83D59 | hCoV-19/England/CAMB-83D59/2020 | EPI\_ISL\_438686 | 23/04/2020 |
| CAMB-83D86 | hCoV-19/England/CAMB-83D86/2020 | EPI\_ISL\_438689 | 23/04/2020 |
| CAMB-1ABF72 | hCoV-19/England/CAMB-1ABF72/2020 | EPI\_ISL\_444352 | 24/04/2020 |
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| CAMB-1AB7C5 | hCoV-19/England/CAMB-1AB7C5/2020 | EPI\_ISL\_444332 | 26/04/2020 |
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| CAMB-1ABF27 | hCoV-19/England/CAMB-1ABF27/2020 | EPI\_ISL\_444348 | 26/04/2020 |
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| CAMB-1ADF61 | hCoV-19/England/CAMB-1ADF61/2020 | EPI\_ISL\_459475 | 26/04/2020 |
| CAMB-1ADFBC | hCoV-19/England/CAMB-1ADFBC/2020 | EPI\_ISL\_459414 | 26/04/2020 |
| CAMB-1AE030 | hCoV-19/England/CAMB-1AE030/2020 | EPI\_ISL\_459437 | 26/04/2020 |
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| CAMB-1AE06D | hCoV-19/England/CAMB-1AE06D/2020 | EPI\_ISL\_459503 | 26/04/2020 |
| CAMB-1AE2FE | hCoV-19/England/CAMB-1AE2FE/2020 | EPI\_ISL\_459480 | 26/04/2020 |
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| CAMB-84040 | hCoV-19/England/CAMB-84040/2020 | EPI\_ISL\_438727 | 26/04/2020 |
| CAMB-8406E | hCoV-19/England/CAMB-8406E/2020 | EPI\_ISL\_438729 | 26/04/2020 |
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| CAMB-1ADFCB | hCoV-19/England/CAMB-1ADFCB/2020 | EPI\_ISL\_459485 | 27/04/2020 |
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| CAMB-1AE05E | hCoV-19/England/CAMB-1AE05E/2020 | EPI\_ISL\_459466 | 27/04/2020 |
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| CAMB-1AE0E5 | hCoV-19/England/CAMB-1AE0E5/2020 | EPI\_ISL\_459454 | 27/04/2020 |
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| CAMB-1AE197 | hCoV-19/England/CAMB-1AE197/2020 | EPI\_ISL\_459461 | 27/04/2020 |
| CAMB-1AE1A6 | hCoV-19/England/CAMB-1AE1A6/2020 | EPI\_ISL\_459500 | 27/04/2020 |
| CAMB-1AE1B5 | hCoV-19/England/CAMB-1AE1B5/2020 | EPI\_ISL\_459415 | 27/04/2020 |
| CAMB-1AE1D3 | hCoV-19/England/CAMB-1AE1D3/2020 | EPI\_ISL\_459493 | 27/04/2020 |
| CAMB-1AE1F1 | hCoV-19/England/CAMB-1AE1F1/2020 | EPI\_ISL\_459430 | 27/04/2020 |
| CAMB-1AE294 | hCoV-19/England/CAMB-1AE294/2020 | EPI\_ISL\_459436 | 27/04/2020 |
| CAMB-1AE2B2 | hCoV-19/England/CAMB-1AE2B2/2020 | EPI\_ISL\_459424 | 27/04/2020 |
| CAMB-1AE2D0 | hCoV-19/England/CAMB-1AE2D0/2020 | EPI\_ISL\_459426 | 27/04/2020 |
| CAMB-1AE522 | hCoV-19/England/CAMB-1AE522/2020 | EPI\_ISL\_459417 | 27/04/2020 |
| CAMB-1AE610 | hCoV-19/England/CAMB-1AE610/2020 | EPI\_ISL\_459419 | 27/04/2020 |
| CAMB-1AE63E | hCoV-19/England/CAMB-1AE63E/2020 | EPI\_ISL\_459447 | 27/04/2020 |
| CAMB-1AE65C | hCoV-19/England/CAMB-1AE65C/2020 | EPI\_ISL\_459449 | 27/04/2020 |
| CAMB-1AE67A | hCoV-19/England/CAMB-1AE67A/2020 | EPI\_ISL\_459491 | 27/04/2020 |
| CAMB-1AE698 | hCoV-19/England/CAMB-1AE698/2020 | EPI\_ISL\_459438 | 27/04/2020 |
| CAMB-1AE6B6 | hCoV-19/England/CAMB-1AE6B6/2020 | EPI\_ISL\_459499 | 27/04/2020 |
| CAMB-83F35 | hCoV-19/England/CAMB-83F35/2020 | EPI\_ISL\_438711 | 27/04/2020 |
| CAMB-84110 | hCoV-19/England/CAMB-84110/2020 | EPI\_ISL\_438739 | 27/04/2020 |
| CAMB-8463F | hCoV-19/England/CAMB-8463F/2020 | EPI\_ISL\_438743 | 27/04/2020 |
| CAMB-8467B | hCoV-19/England/CAMB-8467B/2020 | EPI\_ISL\_438747 | 27/04/2020 |
| CAMB-1AB76B | hCoV-19/England/CAMB-1AB76B/2020 | EPI\_ISL\_444330 | 28/04/2020 |
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| CAMB-1AC06F | hCoV-19/England/CAMB-1AC06F/2020 | EPI\_ISL\_444365 | 28/04/2020 |
| CAMB-1AC0F6 | hCoV-19/England/CAMB-1AC0F6/2020 | EPI\_ISL\_444372 | 28/04/2020 |
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| CAMB-1AC1D5 | hCoV-19/England/CAMB-1AC1D5/2020 | EPI\_ISL\_444382 | 28/04/2020 |
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| CAMB-1AC2B4 | hCoV-19/England/CAMB-1AC2B4/2020 | EPI\_ISL\_444388 | 28/04/2020 |
| CAMB-1AC2D2 | hCoV-19/England/CAMB-1AC2D2/2020 | EPI\_ISL\_444389 | 28/04/2020 |
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| CAMB-1AC1F3 | hCoV-19/England/CAMB-1AC1F3/2020 | EPI\_ISL\_444383 | 29/04/2020 |
| CAMB-1AC3C0 | hCoV-19/England/CAMB-1AC3C0/2020 | EPI\_ISL\_444391 | 29/04/2020 |
| CAMB-1ACFEA | hCoV-19/England/CAMB-1ACFEA/2020 | EPI\_ISL\_447954 | 29/04/2020 |
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| CAMB-1AD7B4 | hCoV-19/England/CAMB-1AD7B4/2020 | EPI\_ISL\_448008 | 30/04/2020 |
| CAMB-1AD893 | hCoV-19/England/CAMB-1AD893/2020 | EPI\_ISL\_448018 | 30/04/2020 |
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| CAMB-1AE7C2 | hCoV-19/England/CAMB-1AE7C2/2020 | EPI\_ISL\_459422 | 30/04/2020 |
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