

|                | Birmingham City Hospital |      |      | Birmingham Heartlands Hospital |      | Birmingham PHL | Bath Cancer Research Unit | Bristol HPA Regional lab |      | Bristol Mycology Reference Lab |      |      | Bristol N HSBT | Bristol Southmead Hospital Biochemistry |      |      | Bristol Southmead Hospital Genetics Laboratory |      |      | Chalfont St Peter | Glasgow Royal Infirmary | Guildford Royal Surrey County Hospital |      |      | Harefield Hospital | Calderdale & Huddersfield Royal Infirmary |      | London Ross |    |
|----------------|--------------------------|------|------|--------------------------------|------|----------------|---------------------------|--------------------------|------|--------------------------------|------|------|----------------|-----------------------------------------|------|------|------------------------------------------------|------|------|-------------------|-------------------------|----------------------------------------|------|------|--------------------|-------------------------------------------|------|-------------|----|
|                | 2016                     | 2017 | 2018 | 2017                           | 2018 |                |                           | 2016                     | 2017 | 2016                           | 2017 | 2018 | 2017           | 2016                                    | 2017 | 2018 | 2016                                           | 2017 | 2018 |                   | 2016                    |                                        | 2017 | 2018 | 2016               |                                           | 2017 | 2016        |    |
| Blood Sciences | 73                       | 80   | 48   | 0                              | 0    | 0              | 0                         | 0                        | 0    | 0                              | 0    | 0    | 0              | 0                                       | 0    | 0    | *                                              | 0    | 0    | 0                 | 0                       | 0                                      | 0    | 0    | 0                  | *                                         | 0    | 0           | 57 |
|                | 89                       | 64   | 77   | 0                              | 0    | 0              | 0                         | 0                        | 0    | 0                              | 0    | 0    | 0              | 0                                       | 0    | 0    | *                                              | *    | *    | *                 | *                       | 0                                      | 0    | 0    | 0                  | 0                                         | 0    | *           | 49 |
|                | 87                       | 147  | 157  | *                              | *    | 0              | *                         | 0                        | 0    | 0                              | 0    | 0    | *              | 0                                       | 0    | *    | *                                              | 9    | 6    | *                 | 0                       | 0                                      | 0    | 0    | 0                  | 0                                         | 0    | 0           | 79 |
| Microbiology   |                          |      |      |                                |      |                |                           |                          |      |                                |      |      |                |                                         |      |      |                                                |      |      |                   |                         |                                        |      |      |                    |                                           |      |             |    |
|                | 0                        | 0    | 0    | 0                              | 0    | *              | 0                         | *                        | *    | 37                             | 54   | 73   | 0              | 0                                       | 0    | 0    | 0                                              | 0    | 0    | 0                 | 0                       | 0                                      | 0    | 0    | 0                  | 0                                         | 0    | 0           | 0  |
| Blood Sciences |                          |      |      |                                |      |                |                           |                          |      |                                |      |      |                |                                         |      |      |                                                |      |      |                   |                         |                                        |      |      |                    |                                           |      |             |    |
|                | 90                       | 120  | 123  | 0                              | 0    | 0              | 0                         | 0                        | 0    | 0                              | 0    | 0    | 0              | *                                       | *    | *    | 0                                              | 17   | 6    | 0                 | 9                       | *                                      | *    | 6    | 0                  | *                                         | *    |             | 63 |

| n Charing Cr<br>Hospital |      | London Colindale |      |      | London Colindale<br>CPHL Virus reference |      |      | London Colindale<br>Resp and Sys |      |      | London Great O<br>rmond Street Ho<br>sp Chem Path |      | London<br>Hammersmith Hospital |      |      | London Kings<br>College Hosp D<br>ept of Clin<br>Biochem |      | London Kings C<br>oll Hosp The Re<br>d Cell Unit |      | London Ro<br>yal Free Ho<br>spital | London Sc<br>hool of<br>Hygiene &<br>Trop Med | London UCL<br>Hosps Chem<br>Path |      | Royal Liverpool<br>Univ Hosp Clin C<br>hem | Liverpool School of T<br>ropical Medicine |      |      | Leeds SAS |      |      |   |
|--------------------------|------|------------------|------|------|------------------------------------------|------|------|----------------------------------|------|------|---------------------------------------------------|------|--------------------------------|------|------|----------------------------------------------------------|------|--------------------------------------------------|------|------------------------------------|-----------------------------------------------|----------------------------------|------|--------------------------------------------|-------------------------------------------|------|------|-----------|------|------|---|
|                          |      |                  |      |      |                                          |      |      |                                  |      |      |                                                   |      |                                |      |      |                                                          |      |                                                  |      |                                    |                                               |                                  |      |                                            |                                           |      |      |           |      |      |   |
| 2017                     | 2018 | 2016             | 2017 | 2018 | 2016                                     | 2017 | 2018 | 2016                             | 2017 | 2018 | 2017                                              | 2018 | 2016                           | 2017 | 2018 | 2016                                                     | 2018 | 2017                                             | 2018 |                                    | 2016                                          |                                  | 2017 | 2018                                       |                                           | 2016 | 2017 | 2018      | 2016 | 2017 |   |
| 55                       | 69   | 0                | 0    | 0    | 0                                        | 0    | 0    | 0                                | 0    | 0    | 0                                                 | 0    | 0                              | 0    | 0    | 0                                                        | *    | *                                                | 0    | 0                                  | 0                                             | *                                | 0    | 0                                          | 0                                         | 0    | 0    | 0         | 7    | 13   |   |
| 78                       | 45   | 0                | 0    | 0    | 0                                        | 0    | 0    | 0                                | 0    | 0    | 0                                                 | 0    | 0                              | 0    | 0    | 0                                                        | 0    | 0                                                | 0    | 0                                  | 0                                             | 0                                | 0    | 0                                          | 0                                         | 0    | 0    | *         | 0    | 0    |   |
| 97                       | 100  | 0                | 0    | 0    | 0                                        | 0    | 0    | 0                                | 0    | 0    | 0                                                 | *    | *                              | 0    | 0    | 0                                                        | 0    | 0                                                | 0    | 0                                  | 0                                             | *                                | 6    | *                                          | 0                                         | 0    | 0    | *         | 8    | 0    |   |
| 0                        | 0    | *                | 6    | *    | 8                                        | 35   | 56   | *                                | *    | 7    | 0                                                 | 0    | 0                              | 0    | 0    | 0                                                        | 0    | 0                                                | 0    | 0                                  | *                                             | 0                                | 0    | 0                                          | 0                                         | 0    | 0    | 0         | 0    | 0    | 0 |
| 100                      | 106  | 0                | 0    | 0    | 0                                        | 0    | 0    | 0                                | 0    | 0    | 0                                                 | 0    | 15                             | 24   | 29   | 0                                                        | 0    | *                                                | *    | 0                                  | 0                                             | 0                                | 0    | 0                                          | 0                                         | *    | *    | 0         | 0    | 0    |   |

| Leeds St James<br>Hosp Genetics Lab | Manchester Royal<br>Infirmary Meningitis Reference Unit |      | Manchester Royal<br>Infirmary Immunology |      | Oxford Churchill<br>Hospital |      |      | Oxford Radcliffe<br>Hospital |      |      | Porton Down |      |      | Sheffield Northern<br>GeneralHospital |      |      | Sheffield Childrens N<br>HST |      |      | Sheffield Protein<br>reference unit |      |      | Royal<br>Shrewsbury Hospital | Swan<br>MHO Bio | Willink<br>Biochemistry Genetics |      |
|-------------------------------------|---------------------------------------------------------|------|------------------------------------------|------|------------------------------|------|------|------------------------------|------|------|-------------|------|------|---------------------------------------|------|------|------------------------------|------|------|-------------------------------------|------|------|------------------------------|-----------------|----------------------------------|------|
| 2018                                | 2017                                                    | 2018 | 2016                                     | 2018 | 2016                         | 2017 | 2018 | 2016                         | 2017 | 2018 | 2016        | 2017 | 2018 | 2016                                  | 2017 | 2018 | 2016                         | 2017 | 2018 | 2016                                | 2017 | 2018 | 2016                         | 2017            | 2016                             | 2018 |
| 7                                   | 0                                                       | 0    | *                                        | *    | *                            | 6    | *    | 6                            | 17   | 23   | 0           | 0    | 0    | 14                                    | 0    | 0    | 0                            | 0    | 0    | 76                                  | 75   | 76   | 0                            | *               | 0                                | 0    |
| *                                   | 0                                                       | 0    | 0                                        | 0    | 8                            | 22   | 23   | 53                           | 123  | 110  | 0           | 0    | 0    | *                                     | *    | *    | 0                            | 0    | 0    | 89                                  | 82   | 64   | 6                            | 0               | 0                                | 0    |
| 6                                   | 0                                                       | 0    | 0                                        | 0    | 0                            | *    | 10   | 22                           | 24   | 32   | 0           | 0    | 0    | 0                                     | 0    | 0    | *                            | *    | *    | 94                                  | 116  | 139  | 0                            | 0               | 0                                | 0    |
| 0                                   | *                                                       | *    | 0                                        | 0    | 0                            | 0    | 0    | 0                            | 0    | 0    | 48          | 25   | 34   | 0                                     | 0    | 0    | 0                            | 0    | 0    | 0                                   | 0    | 0    | 0                            | 0               | 0                                | 0    |
| 8                                   | 0                                                       | 0    | 0                                        | 0    | 0                            | 0    | *    | 129                          | 129  | 144  | 0           | 0    | 0    | 0                                     | 0    | 0    | 0                            | 0    | 0    | 147                                 | 137  | 207  | 0                            | 0               | *                                | *    |