

## Avoidable Repeat Rate for September 2025 for Newborn Blood Spot Screening - Manchester Laboratory

The avoidable repeat rate for samples received during September is displayed by Trust in Figure 1. The raw data is provided in Tables 2 and 3. The avoidable repeat rate is calculated by dividing the total number of avoidable repeats by the number of babies tested (i.e. first samples).

**Acceptable: Avoidable repeat rate is  $\leq 2.0\%$**

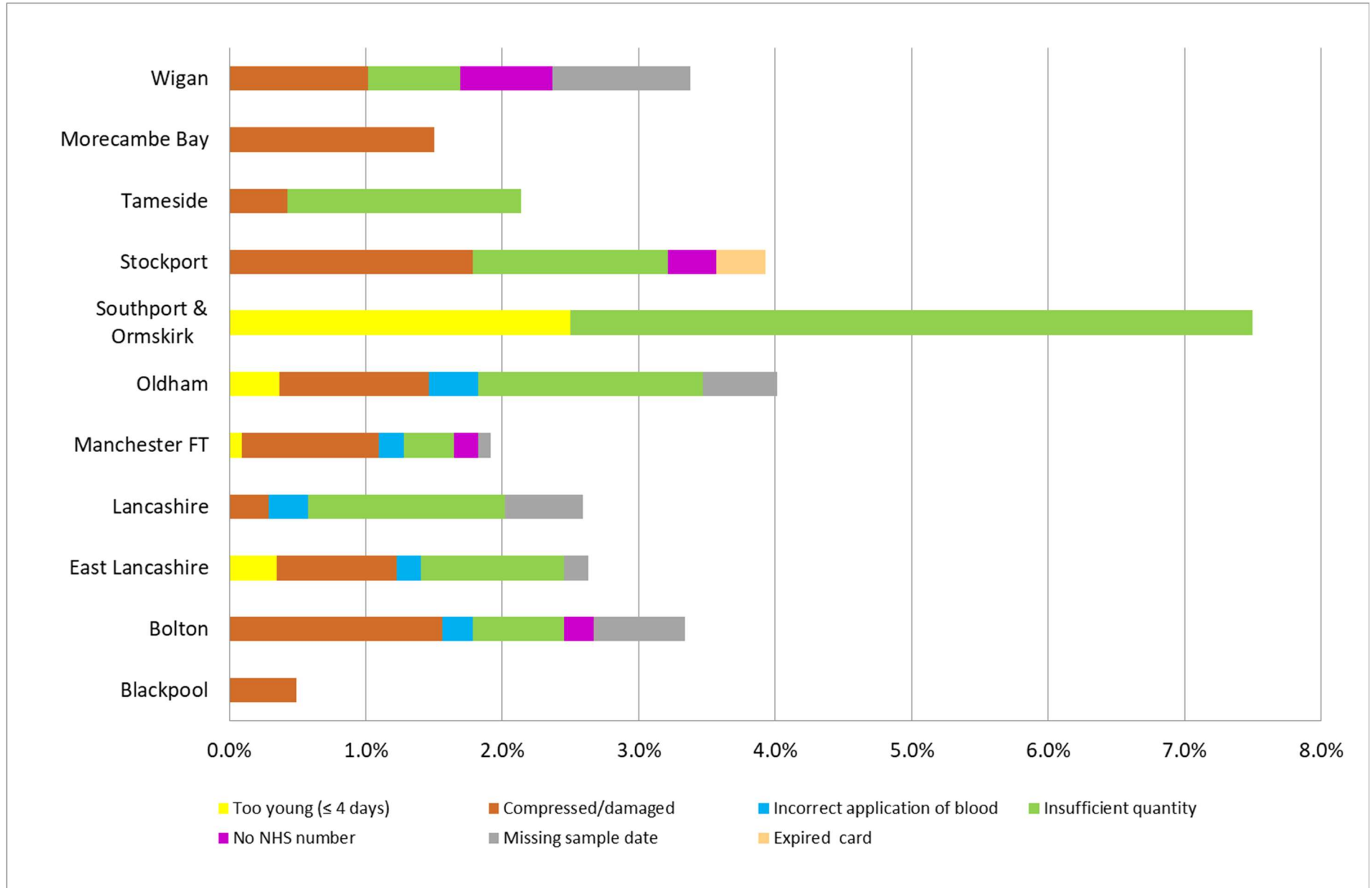
**Achievable: Avoidable repeat rate is  $\leq 1.0\%$**

A list of trust codes is provided in Table 1.

**Table 1**

| Code   | Trust Name                                                     |
|--------|----------------------------------------------------------------|
| RXL    | BLACKPOOL TEACHING HOSPITALS NHS FOUNDATION TRUST              |
| RMC    | BOLTON NHS FOUNDATION TRUST                                    |
| RXR    | EAST LANCASHIRE HOSPITALS NHS TRUST                            |
| RXN    | LANCASHIRE TEACHING HOSPITALS NHS FOUNDATION TRUST             |
| RW3    | MANCHESTER UNIVERSITY NHS FOUNDATION TRUST – ST. MARY'S & RMCH |
| RM2    | MANCHESTER UNIVERSITY NHS FOUNDATION TRUST – WYTHENSHAW        |
| NM-R0A | MANCHESTER UNIVERSITY NHS FOUNDATION TRUST – NORTH MANCHESTER  |
| OL-RW6 | NORTHERN CARE ALLIANCE                                         |
| RVY    | SOUTHPORT AND ORMSKIRK HOSPITAL NHS TRUST                      |
| RWJ    | STOCKPORT NHS FOUNDATION TRUST                                 |
| RMP    | TAMESIDE HOSPITAL NHS FOUNDATION TRUST                         |
| RTX    | UNIVERSITY HOSPITALS OF MORECAMBE BAY NHS FOUNDATION TRUST     |
| RRF    | WRIGHTINGTON, WIGAN AND LEIGH NHS FOUNDATION TRUST             |

**Figure 1 - Avoidable repeats by Trust – September 2025**



**Table 2 – Avoidable repeats by Trust for September 2025**

| Maternity Unit                                      | Number of first samples received/ babies tested | Too soon after transfusion (<72 hours)* | Too young for reliable screening (≤ 4 days) | Blood spot damaged in transit | Bloodspot compressed/ damaged | Expired bloodspot card | Incorrect application of blood on card | Insufficient quantity | >14 days in transit | No NHS number | Contaminated (discrepant IRT) | Missing sample date | DOB missing | Number of Avoidable Repeat Requests | Avoidable Repeat Requests Rate |
|-----------------------------------------------------|-------------------------------------------------|-----------------------------------------|---------------------------------------------|-------------------------------|-------------------------------|------------------------|----------------------------------------|-----------------------|---------------------|---------------|-------------------------------|---------------------|-------------|-------------------------------------|--------------------------------|
| Blackpool Teaching Hospitals NHS FT                 | 203                                             | 0                                       | 0                                           | 0                             | 1                             | 0                      | 0                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 1                                   | 0.5%                           |
| Bolton NHS FT                                       | 449                                             | 2                                       | 0                                           | 0                             | 7                             | 0                      | 1                                      | 3                     | 0                   | 1             | 0                             | 3                   | 0           | 15                                  | 3.3%                           |
| East Lancashire Hospitals NHS Trust                 | 571                                             | 3                                       | 2                                           | 0                             | 5                             | 0                      | 1                                      | 6                     | 0                   | 0             | 0                             | 1                   | 0           | 15                                  | 2.6%                           |
| Health Visitor                                      | 77                                              | 0                                       | 0                                           | 0                             | 0                             | 0                      | 0                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 0                                   | 0.0%                           |
| Lancashire Teaching Hospitals NHS FT                | 347                                             | 0                                       | 0                                           | 0                             | 1                             | 0                      | 1                                      | 5                     | 0                   | 0             | 0                             | 2                   | 0           | 9                                   | 2.6%                           |
| Manchester University NHS FT - SMH, RMCH, WH & NMGH | 1095                                            | 4                                       | 1                                           | 0                             | 11                            | 0                      | 2                                      | 4                     | 0                   | 2             | 0                             | 1                   | 0           | 21                                  | 1.9%                           |
| Not stated                                          | 0                                               | 0                                       | 0                                           | 0                             | 0                             | 0                      | 0                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 0                                   | 0.0%                           |
| Oldham (NCA)                                        | 548                                             | 0                                       | 2                                           | 0                             | 6                             | 0                      | 2                                      | 9                     | 0                   | 0             | 0                             | 3                   | 0           | 22                                  | 4.0%                           |
| Southport & Ormskirk Hospital NHS Trust             | 40                                              | 0                                       | 1                                           | 0                             | 0                             | 0                      | 0                                      | 2                     | 0                   | 0             | 0                             | 0                   | 0           | 3                                   | 7.5%                           |
| Stockport NHS FT                                    | 280                                             | 0                                       | 0                                           | 0                             | 5                             | 1                      | 0                                      | 4                     | 0                   | 1             | 0                             | 0                   | 0           | 11                                  | 3.9%                           |
| Tameside And Glossop Integrated Care NHS FT         | 234                                             | 0                                       | 0                                           | 0                             | 1                             | 0                      | 0                                      | 4                     | 0                   | 0             | 0                             | 0                   | 0           | 5                                   | 2.1%                           |
| University Hospitals of Morecambe Bay NHS FT        | 200                                             | 0                                       | 0                                           | 0                             | 3                             | 0                      | 0                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 3                                   | 1.5%                           |
| Wrightington, Wigan and Leigh NHS FT                | 296                                             | 1                                       | 0                                           | 0                             | 3                             | 0                      | 0                                      | 2                     | 0                   | 2             | 0                             | 3                   | 0           | 10                                  | 3.4%                           |
| Grand Total                                         | 4340                                            | 10                                      | 6                                           | 0                             | 43                            | 1                      | 7                                      | 39                    | 0                   | 6             | 0                             | 13                  | 0           | 115                                 | 2.6%                           |

\*Not included in calculation of avoidable repeats

**Table 3 – Avoidable repeats by current hospital (in-patients) for September 2025**

| Current Hospital                    | Number of first samples received/ babies tested | Too soon after transfusion (<72 hours)* | Too young for reliable screening (≤ 4 days) | Blood spot damaged in transit | Bloodspot compressed/ damaged | Expired bloodspot card | Incorrect application of blood on card | Insufficient quantity | >14 days in transit | No NHS number | Contaminated (discrepant IRT) | Missing sample date | DOB missing | Number of Avoidable Repeat Requests | Avoidable Repeat Requests Rate |
|-------------------------------------|-------------------------------------------------|-----------------------------------------|---------------------------------------------|-------------------------------|-------------------------------|------------------------|----------------------------------------|-----------------------|---------------------|---------------|-------------------------------|---------------------|-------------|-------------------------------------|--------------------------------|
| Burnley General Hospital            | 58                                              | 3                                       | 0                                           | 0                             | 1                             | 0                      | 0                                      | 4                     | 0                   | 0             | 0                             | 0                   | 0           | 5                                   | 8.6%                           |
| Royal Bolton Hospital               | 43                                              | 2                                       | 0                                           | 0                             | 1                             | 0                      | 1                                      | 2                     | 0                   | 1             | 0                             | 0                   | 0           | 5                                   | 11.6%                          |
| Blackpool Victoria Hospital         | 17                                              | 0                                       | 0                                           | 0                             | 0                             | 0                      | 0                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 0                                   | 0.0%                           |
| Furness General Hospital            | 2                                               | 0                                       | 0                                           | 0                             | 0                             | 0                      | 0                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 0                                   | 0.0%                           |
| North Manchester General Hospital   | 25                                              | 0                                       | 0                                           | 0                             | 1                             | 0                      | 1                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 2                                   | 8.0%                           |
| Not in hospital                     | 3905                                            | 0                                       | 5                                           | 0                             | 35                            | 1                      | 1                                      | 25                    | 0                   | 2             | 0                             | 12                  | 0           | 81                                  | 2.1%                           |
| Ormskirk & District General         | 1                                               | 0                                       | 0                                           | 0                             | 0                             | 0                      | 0                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 0                                   | 0.0%                           |
| Royal Albert Edward Infirmary       | 15                                              | 1                                       | 0                                           | 0                             | 0                             | 0                      | 0                                      | 0                     | 0                   | 1             | 0                             | 0                   | 0           | 1                                   | 6.7%                           |
| Royal Blackburn Hospital            | 0                                               | 0                                       | 0                                           | 0                             | 0                             | 0                      | 0                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 0                                   | 0.0%                           |
| Royal Lancaster Infirmary           | 13                                              | 0                                       | 0                                           | 0                             | 0                             | 0                      | 0                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 0                                   | 0.0%                           |
| Royal Manchester Childrens Hospital | 3                                               | 1                                       | 0                                           | 0                             | 0                             | 0                      | 0                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 0                                   | 0.0%                           |
| Royal Oldham Hospital               | 49                                              | 0                                       | 0                                           | 0                             | 1                             | 0                      | 2                                      | 6                     | 0                   | 0             | 0                             | 1                   | 0           | 10                                  | 20.4%                          |
| Royal Preston Hospital              | 33                                              | 0                                       | 0                                           | 0                             | 1                             | 0                      | 1                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 2                                   | 6.1%                           |
| Stepping Hill Hospital              | 24                                              | 0                                       | 0                                           | 0                             | 0                             | 0                      | 0                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 0                                   | 0.0%                           |
| St Mary's Hospital, Manchester      | 99                                              | 3                                       | 1                                           | 0                             | 1                             | 0                      | 0                                      | 0                     | 0                   | 0             | 0                             | 0                   | 0           | 2                                   | 2.0%                           |
| Tameside General Hospital           | 20                                              | 0                                       | 0                                           | 0                             | 0                             | 0                      | 0                                      | 1                     | 0                   | 0             | 0                             | 0                   | 0           | 1                                   | 5.0%                           |
| Wythenshawe Hospital                | 33                                              | 0                                       | 0                                           | 0                             | 2                             | 0                      | 1                                      | 1                     | 0                   | 2             | 0                             | 0                   | 0           | 6                                   | 18.2%                          |
| Grand Total                         | 4340                                            | 10                                      | 6                                           | 0                             | 43                            | 1                      | 7                                      | 39                    | 0                   | 6             | 0                             | 13                  | 0           | 115                                 | 2.6%                           |

\*Not included in calculation of avoidable repeats

Tips to help avoid rejection of samples:

- Collect sample on day 5 (date of birth is day 0)
- Check the expiry date on the card
- Wash the baby's heel with water to reduce the risk of a contaminated IRT result
- Ensure that blood spots are the size of the guide circles on the card
- Allow the blood to drop onto the card rather than touching the filter paper to the baby's heel
- Some brands of lancet device are more effective than others
- Extra blood spots, in addition to the 4 indicated by the guide circles, can be collected elsewhere on the card
- Repeat the test at the same visit if the spots are too small or have not soaked through to the back of the card
- Make sure there is a valid NHS number on the card

## **Conclusion**

The avoidable repeat rate for September was 2.6%, which was same as for August. The most common reason for rejection of samples was a compressed/damaged sample followed by insufficient blood. One maternity unit met the achievable standard and two met the acceptable standard.