

S1 Blood collection nurses working at each time of day

| Date | Period | Nurse number | Date | Period | Nurse number |
|------|--------|--------------------------------|------|--------|-----------------------------------|
| 1 | 1 | 1, 4, 5, 6, 8, 10, 11, 17, 20 | 15 | 1 | 1, 2, 6, 8, 10, 11, 12, 16, 19 |
| 1 | 2 | 1, 5, 6, 8 | 15 | 2 | 1, 10, 14, 15 |
| 1 | 3 | 10, 11, 13 | 15 | 3 | 2, 6, 11 |
| 2 | 1 | 1, 3, 4, 6, 9, 11, 12, 14, 15 | 16 | 1 | 1, 3, 4, 5, 6, 7, 8, 9, 12, 15 |
| 2 | 2 | 1, 2, 7, 8 | 16 | 2 | 3, 5, 10, 13, 14 |
| 2 | 3 | 5, 11 | 16 | 3 | 1, 13 |
| | | | | | 1, 2, 3, 4, 6, 7, 8, 9, 12, 13, |
| 3 | 1 | 2, 3, 7, 9, 11, 15, 16, 18, 20 | 17 | 1 | 14, 15 |
| 3 | 2 | 3, 6, 10, 13 | 17 | 2 | 2, 4, 5, 8 |
| 3 | 3 | 8, 10 | 17 | 3 | 5, 11, 14 |
| | | | | | 1, 3, 4, 6, 7, 8, 10, 11, 13, 14, |
| 4 | 1 | 3, 6, 8, 9, 10, 11, 12, 15 | 18 | 1 | 15 |
| | | | | | 1, 3, 4, 6, 7, 8, 10, 11, 13, 14, |
| 4 | 2 | 2, 4, 5, 13 | 18 | 2 | 15 |
| 4 | 3 | 10, 14 | 18 | 3 | 12, 13, 14 |
| | | 2, 3, 4, 7, 8, 10, 11, 12, 14, | | | |
| 5 | 1 | 16, 17 | 19 | 1 | 3, 4, 5, 8, 9, 11, 14, 15 |
| 5 | 2 | 5, 7, 9, 15 | 19 | 2 | 3, 7, 13 |
| 5 | 3 | 1, 10 | 19 | 3 | 4, 12, 15 |
| 6 | 1 | 4, 5, 7, 12, 13, 15 | 20 | 1 | 5, 6, 7, 11, 13 |
| 6 | 2 | 9, 14 | 20 | 2 | 1, 2, 3 |
| 6 | 3 | 1 | 20 | 3 | 10 |
| 7 | 1 | 3, 4, 5, 8, 10, 13, 14 | 21 | 1 | 8, 10, 12, 14 |
| 7 | 2 | 6, 7, 8 | 21 | 2 | 1, 4, 6 |
| 7 | 3 | 1 | 21 | 3 | 2 |
| 8 | 1 | 2, 4, 6, 7, 9, 15, 16, 17, 18 | 22 | 1 | 4, 5, 6, 7, 8, 9, 12, 13 |
| 8 | 2 | 6, 16, 17, 18 | 22 | 2 | 2, 3, 5, 11, 11, 15 |
| 8 | 3 | 9, 15 | 22 | 3 | 1, 6 |
| | | 3, 5, 9, 10, 11, 12, 16, 18, | | | |
| 9 | 1 | 19 | 23 | 1 | 3, 6, 8, 9, 11, 13, 16, 18, 19 |
| 9 | 2 | 1, 3, 16, 18, 19 | 23 | 2 | 6, 10, 15 |
| 9 | 3 | 2, 15 | 23 | 3 | 10, 11 |
| | | | | | 4, 7, 8, 9, 10, 11, 12, 14, 15, |
| 10 | 1 | 6, 9, 10, 11, 12, 14, 16, 18 | 24 | 1 | 16, 12 |
| 10 | 2 | 7, 17 | 24 | 2 | 1, 2, 3, 5 |
| 10 | 3 | 10, 11, 15 | 24 | 3 | 10, 11, 13 |
| 11 | 1 | 1, 2, 6, 10, 11, 12, 16, 17 | 25 | 1 | 2, 4, 9, 10, 11, 12, 14, 15 |
| 11 | 2 | 2, 3, 7, 8 | 25 | 2 | 1, 5, 13 |
| 11 | 3 | 1, 5, 15 | 25 | 3 | 8, 11 |
| 12 | 1 | 2, 4, 5, 8, 10, 13 | 26 | 1 | 1, 3, 7, 9, 10, 11, 12, 15 |
| 12 | 2 | 1, 6, 9, 12 | 26 | 2 | 5, 13, 14 |

| | | | | | |
|----|---|------------------------|----|---|-----------------------|
| 12 | 3 | 3, 7, 14 | 26 | 3 | 2, 4, 6 |
| 13 | 1 | 2, 3, 5, 9, 12, 13, 15 | 27 | 1 | 1, 2, 6, 7, 8, 12, 14 |
| 13 | 2 | 1, 4 | 27 | 2 | 3, 4 |
| 13 | 3 | 14 | 27 | 3 | 5 |
| 14 | 1 | 3, 4, 10, 11, 13 | 28 | 1 | 5, 6, 9, 10, 11, 15 |
| 14 | 2 | 4, 11 | 28 | 2 | 1, 2, 14 |
| 14 | 3 | 7 | 28 | 3 | 7 |

S2 Blood collection nurse work date

| Nurse number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| Date | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 3 | 1 | 3 | 9 | 1 |
| | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 4 | 3 | 4 | 3 | 5 | 5 | 8 | 1 | 3 |
| | | | | | | | | | | | | | | | | | | | 2 | |
| | 5 | 4 | 4 | 4 | 4 | 3 | 5 | 3 | 4 | 4 | 3 | 5 | 4 | 5 | 4 | 8 | 8 | 9 | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | 5 | 2 |
| | 6 | 5 | 5 | 5 | 5 | 4 | 6 | 4 | 5 | 5 | 4 | 6 | 5 | 6 | 5 | 9 | 1 | 1 | 2 | |
| | | | | | | | | | | | | | | | | | 0 | 0 | 3 | |
| | 7 | 8 | 7 | 6 | 6 | 7 | 7 | 5 | 6 | 7 | 5 | 9 | 6 | 7 | 6 | 1 | 1 | 2 | | |
| | | | | | | | | | | | | | | | | 0 | 1 | 3 | | |
| | 1 | 9 | 9 | 7 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 1 | 7 | 1 | 8 | 1 | 2 | | | |
| | 1 | | | | | | | | | | | 0 | | 0 | | 1 | 4 | | | |
| | 1 | 1 | 1 | 8 | 9 | 1 | 1 | 1 | 9 | 1 | 1 | 1 | 9 | 1 | 1 | 1 | | | | |
| | 2 | 1 | 1 | | | 0 | 0 | 0 | | 0 | 0 | 1 | | 2 | 0 | 2 | | | | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 2 | 2 | 3 | 1 | 5 | | | | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | |
| | 5 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 3 | 3 | 5 | 3 | 1 | | | | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | |
| | 6 | 5 | 4 | 4 | 3 | 5 | 4 | 5 | 3 | 4 | 5 | 5 | 4 | 6 | 5 | 2 | | | | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | |
| | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 7 | 6 | 6 | 7 | 6 | 3 | | | | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | |
| | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 8 | 7 | 7 | 8 | 7 | 4 | | | | |
| | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | |
| | 0 | 0 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 8 | | | | | |
| | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | | | | | |
| | 1 | 1 | 9 | 9 | 0 | 0 | 9 | 9 | 9 | 0 | 0 | 9 | 9 | 1 | 9 | | | | | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | |
| | 2 | 2 | 0 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 2 | 1 | 0 | 2 | 2 | | | | | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | |
| | 4 | 4 | 2 | 2 | 4 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 4 | 3 | | | | | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | |
| | 5 | 5 | 3 | 4 | 5 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 5 | 4 | | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 6 | 6 | 4 | 5 | 6 | 6 | 6 | 4 | 5 | 5 | 5 | 5 | 4 | 6 | 5 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 7 | 7 | 6 | 6 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | 6 | 5 | 7 | 6 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 8 | 8 | 7 | 7 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 6 | 8 | 8 |
