

## Statistical Work.

### Blood units issue data - component wise :

| Blood Components      | 2018 | 2019 | 2020 | 2021 | 2022 |
|-----------------------|------|------|------|------|------|
| Red Cell Concentrates | 9916 | 9804 | 9404 | 8159 | 9524 |
| Fresh Frozen Plasma   | 3630 | 3697 | 3674 | 3470 | 3660 |
| Platelet Concentrates | 1127 | 864  | 724  | 941  | 1441 |
| Cryoprecipitate       | 387  | 228  | 163  | 99   | 96   |
| Whole Blood           | 0    | 0    | 0    | 0    | 0    |
| Single Donor Platelet | -    | -    | 8    | 10   | 99   |

### Annual collection of blood unit Voluntary Donation:

| No. | Year | Camp | Annual collection of blood unit Voluntary Donation | Total Blood Unit issued | % of component |
|-----|------|------|--|-------------------------|----------------|
| 1   | 2018 | 161  | 10202  | 15060                   | 96.67          |
| 2   | 2019 | 165  | 9923   | 14593                   | 96.77          |
| 3   | 2020 | 168  | 10015  | 13965                   | 97.06          |
| 4   | 2021 | 130  | 10313  | 12669                   | 97.60          |
| 5   | 2022 | 138  | 11523  | 14820                   | 97.11          |

### Covid Convalescent Plasma Collection and Issue Details:

| No. | Year | CCP Collection | CCP Issue |
|-----|------|----------------|-----------|
| 1   | 2020 | 1655           | 1746      |
| 2   | 2021 | 1822           | 1589      |
| 3   | 2022 | -              | 3         |

### Free Blood Supply for patients (Sickle Cell, Hemophilia, Thalassemia, JSSK) :

| No. | Year | Sickle Cell | Hemophilia | Thalassemia | JSSK | MAA Card | Other | Total |
|-----|------|-------------|------------|-------------|------|----------|-------|-------|
| 1   | 2018 | 50          | 80         | 506         | 3067 | 33       | 2044  | 5780  |
| 2   | 2019 | 48          | 0          | 450         | 2846 | 116      | 1787  | 5247  |
| 3   | 2020 | 55          | 27         | 531         | 2659 | 58       | 3367  | 6697  |
| 4   | 2021 | 58          | -          | 401         | 2012 | 7        | 3628  | 6106  |
| 5   | 2022 | 75          | -          | 506         | 2449 | 92       | 2713  | 5833  |

**Annual data of different tests done for patients:**

| No. | Year | Blood Group | Cross Match | Coombs Test | Antibody Identification |
|-----|------|-------------|-------------|-------------|-------------------------|
| 1   | 2020 | 127178      | 23302       | 17672       | 62                      |
| 2   | 2021 | 118747      | 20018       | 22831       | 96                      |
| 3   | 2022 | 162681      | 29889       | 29745       | 53                      |

**Therapeutic Exchange Procedures:**

| No. | Year | Total Plasma Exchange procedure on Apheresis | Total Red Cell Exchange procedure on Apheresis |
|-----|------|--|--|
| 1   | 2019 | 100  | -  |
| 2   | 2020 | 46   | -  |
| 3   | 2021 | 170  | -  |
| 4   | 2022 | 110  | 4  |

