

Belize National Blood Transfusion Service.

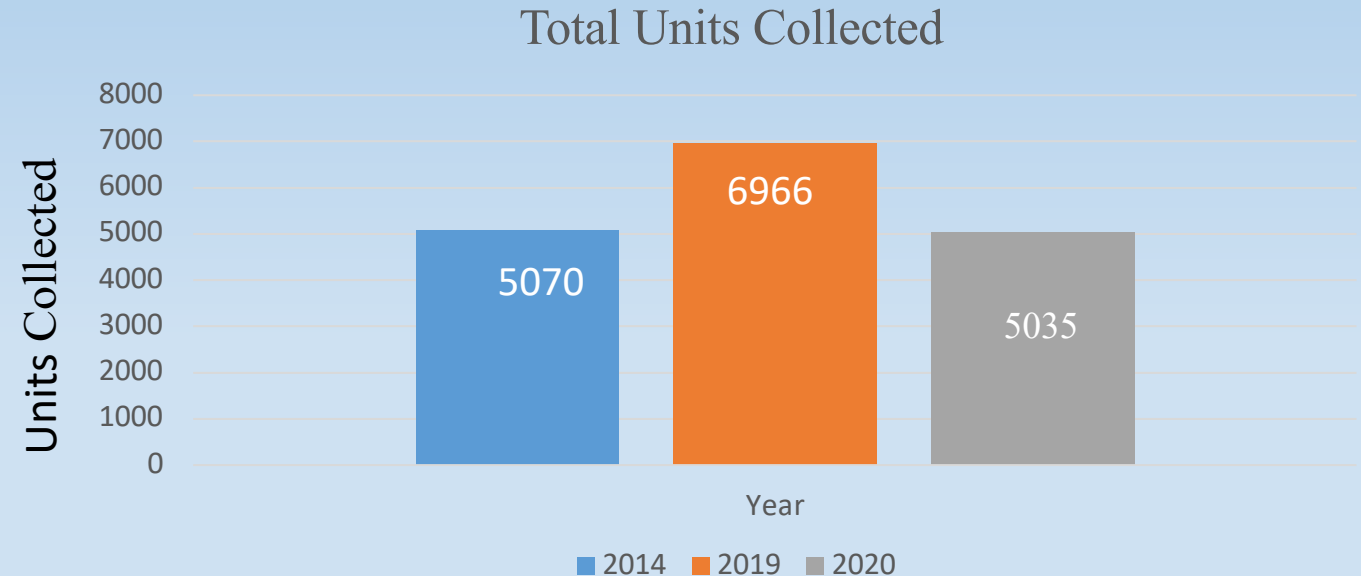
Blood supply and Impact of Covid-19.

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Belize National Blood Transfusion Services.

Date: 10th December 2020.

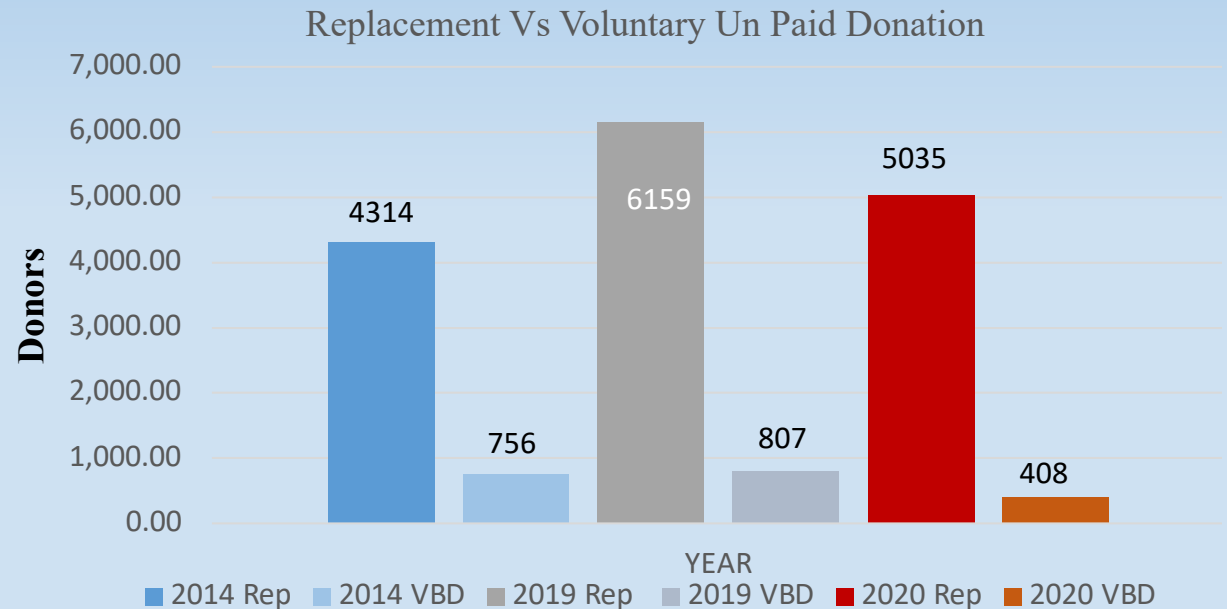
Progress on the regional safe blood plan

- **Volunteer Non-renumerated Blood donation is at 8.97%.**
- **30% reduction in blood use**
- **Low Positivity rate** HIV=0.28%
HbsAg=0.30%
HCV=0.20%
Syphilis=0.80%
Chagas=0.21%
HepB Core=0.21%
CMV=0.93%



Impact of COVID-19 in blood services

- Blood supply was reduce in March, due to lock down.
- Suspension of mobile blood donation by 90%.
- 30% reduction of blood collection.
- Most donation were replacement donations.
- 50% decrease in voluntary non remunerated donations.



Blood donation during the pandemic

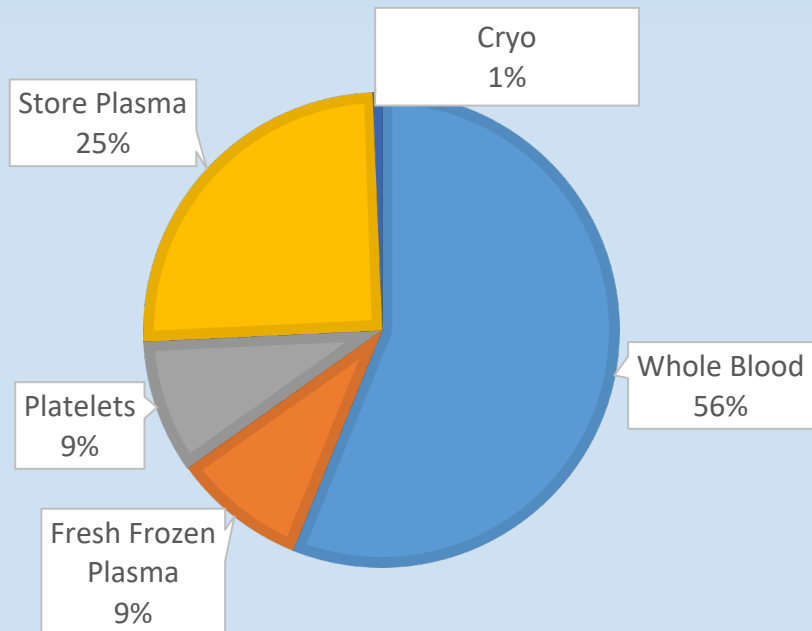
- Pre selection procedure to eliminate possible infected donors.
- Persons with possible direct contact with Covid Patient are temporarily deferred.
- Positive Covid -19 donors are deferred for 14 days after their last negative test result.
- Donors with Pending Covid-19 test result have been deferred until the results are completed.
- Delay in the Blood donation process, proper sanitation before and after a donation.
- Abide with Social Distancing protocols, encourage donations by appointment.
- Most donation were replacement.
- Healthy repeated donors were recall and collected.
- Blood drives were held on unaffected areas such as the rural communities.
- Blood drives were double before the first case to hit the country.

Measures for donor safety

- Environmental decontamination.
- Temperature check
- Sanitation of all materials used before and after donation
- Provide hand sanitization.
- Emphasize physical distancing.
- Education of staff about Covid-19 and daily monitor temperature check.

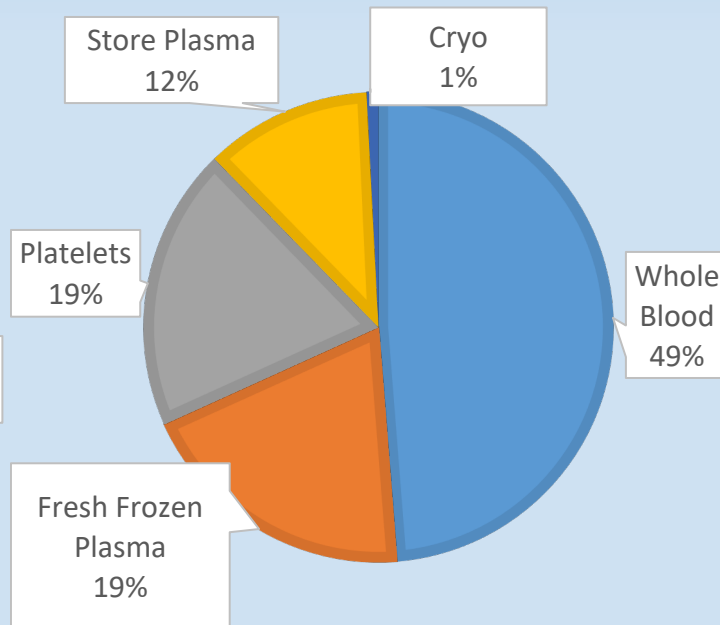
Efficiency of Blood Banks.

**BLOOD UNITS COLLECTED AND PROCESSED
2014**



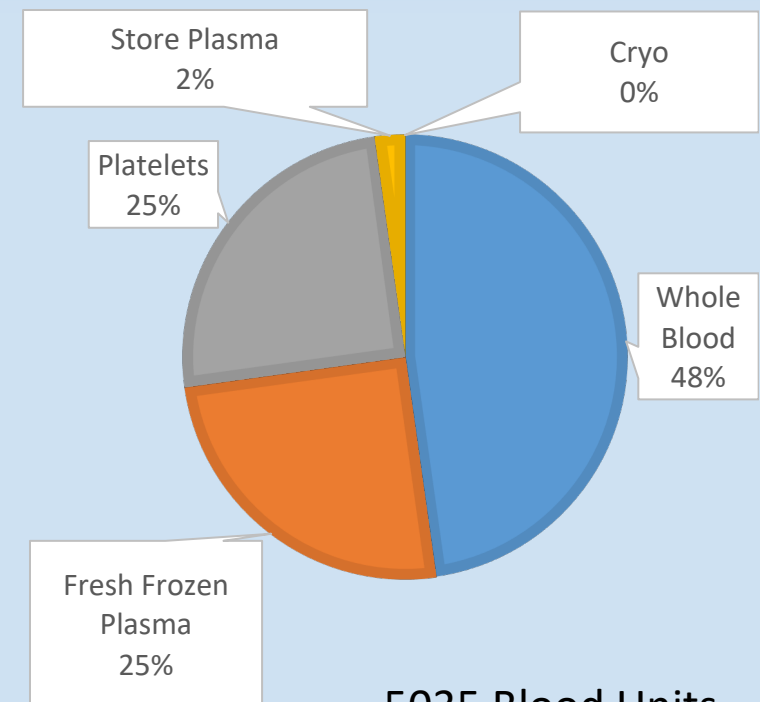
5070 Blood Units

**BLOOD UNITS COLLECTED AND PROCESSED
2019**



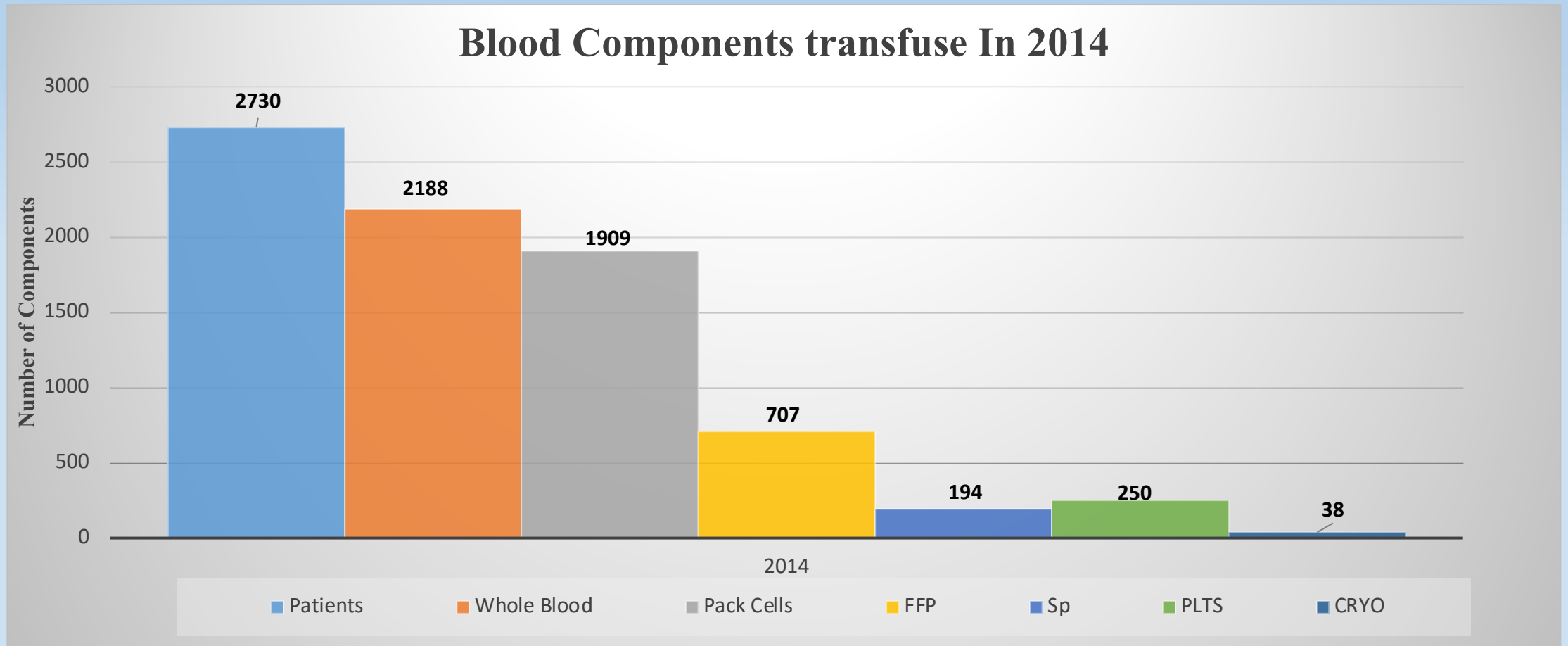
6966 Blood Units

**BLOOD UNITS COLLECTED AND PROCESSED
2020**

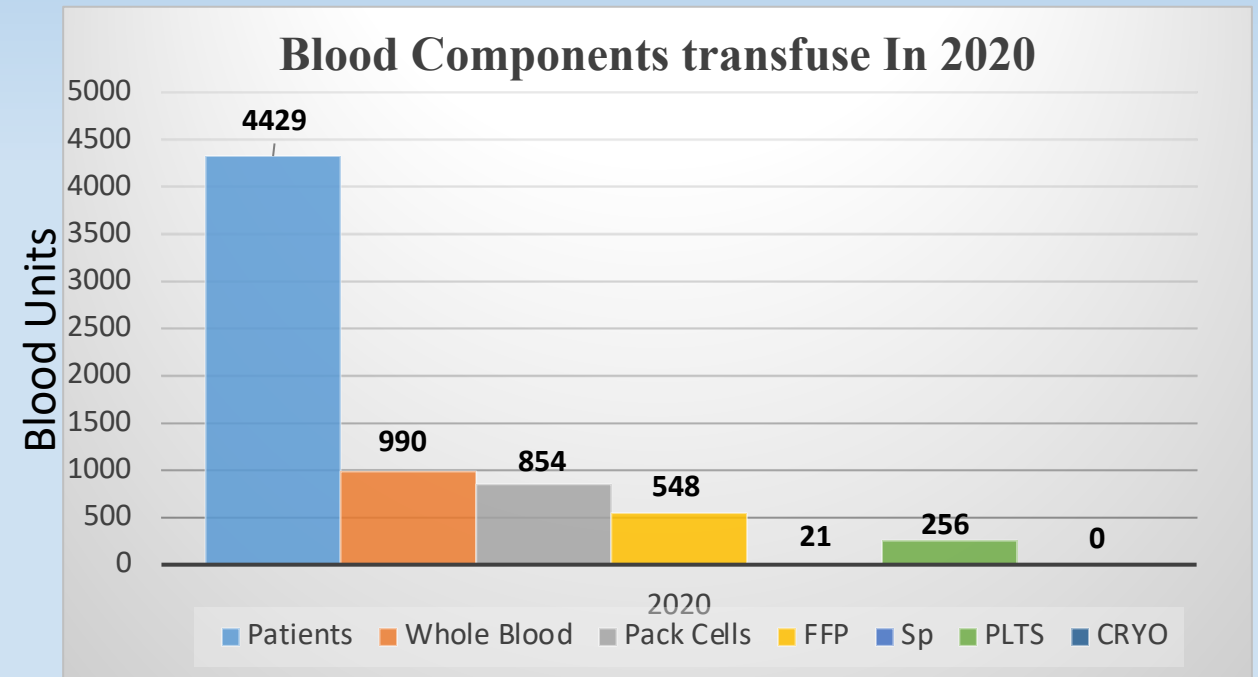
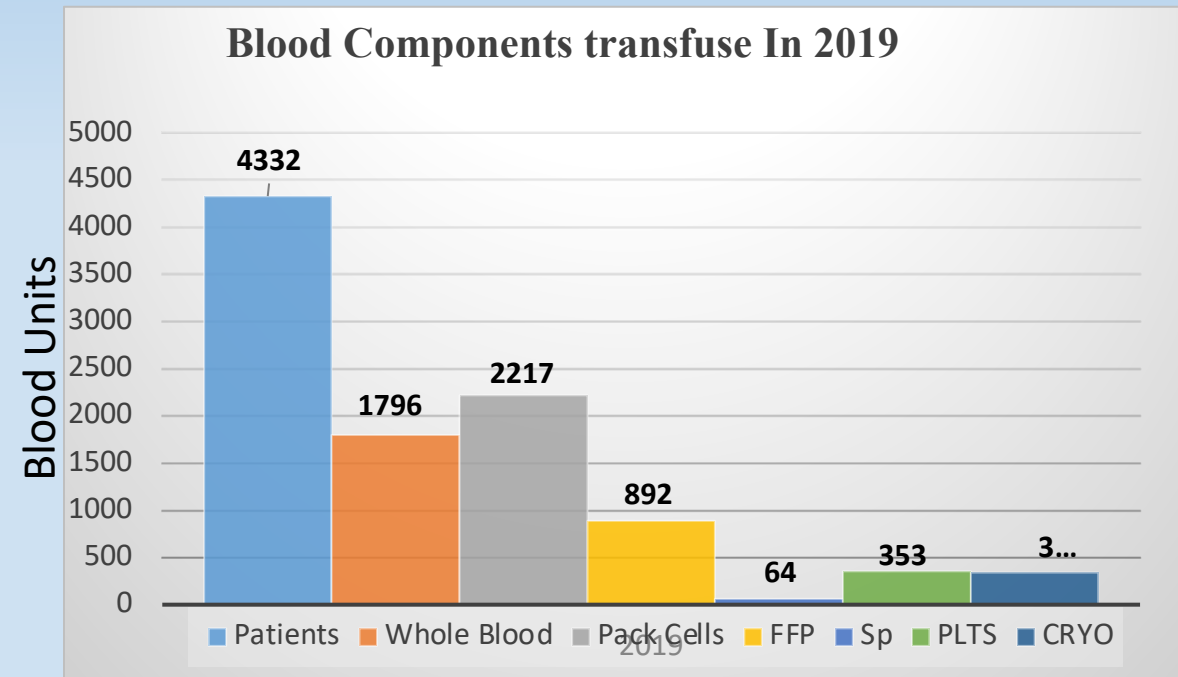


5035 Blood Units

Number of patients Transfused in 2014.

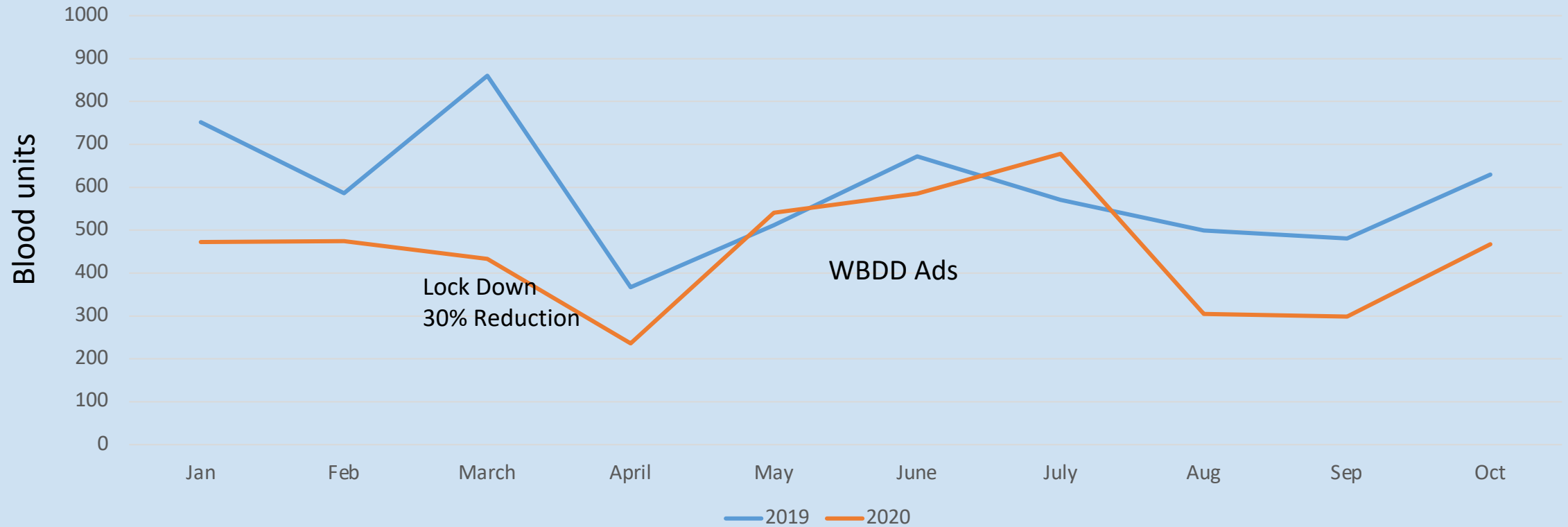


Number of patients Transfused in 2019 Vs 2020.



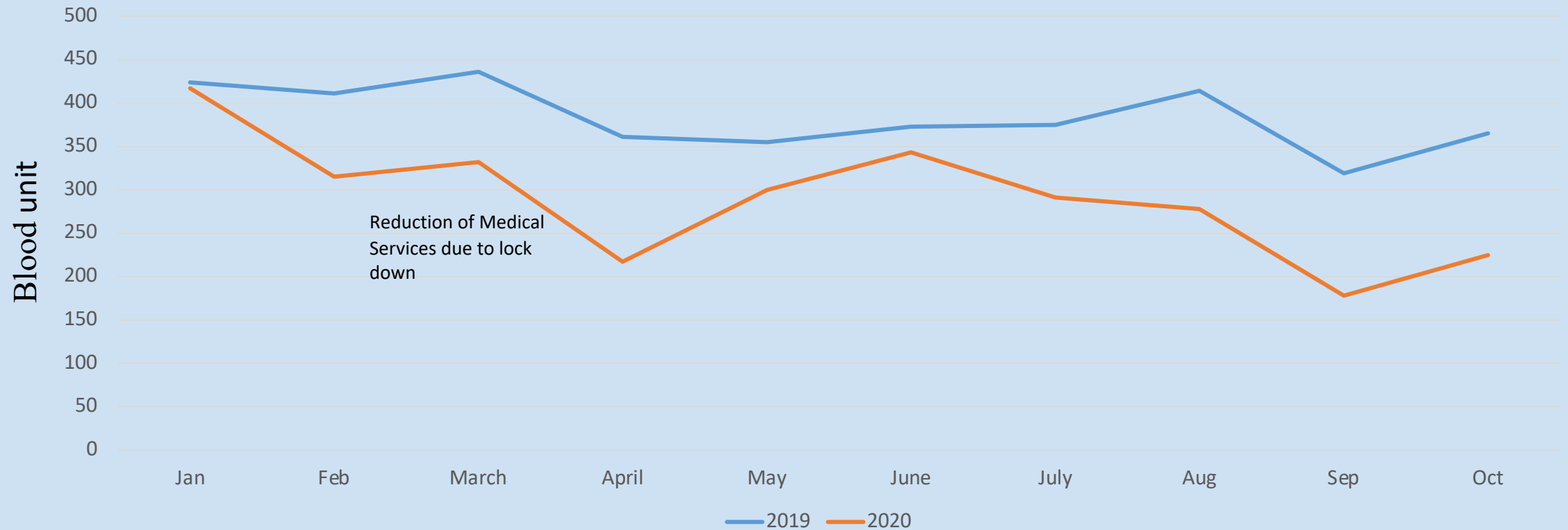
Covid-19 Impact on Blood Bank Blood Reserve.

Blood Collection History



Blood Demand during Covid-19.

Blood Usage



Blood supply, results and lessons learned.

- There was a 20% reduction of blood collection, however the blood supply was steady.
- The BNBTS was able to meet the demand, as most hospitals went into emergency mode, because of the Lock down there was 95% reduction of crime and violence.
- Base on preparation and appropriate decision we were able to maintain our blood stock and thus survive the lockdown period and the course of the pandemic as it unfolds.



Thank
You...