

Surgical Volume Recovery at PCHF After COVID-19

Executive Summary

- PCHF followed strict adherence to the global pandemic SOPs. All elective surgeries were halted during lockdown from March 2019 – June 2019 followed by a second lockdown in May 2021 that lasted 2 weeks. Only emergency cases were performed
- Despite this, PCHF has been able to recover to 83% of the surgical volume load in 2019 (January to September).

Key findings

- The total surgical volume (January-September of each year) was 466 in 2019, 265 in 2020, 252 in 2021 and 387 in 2022
- The average age of patients admitted has been uniform, at 4.7 years
- PCHF continues to maintain the average length of post-surgical hospital stay to 6 days, over the past 4 years

Table 1: Patient Data

	Before pandemic	During pandemic	After pandemic
Surgical Procedures	466	265, 252	387
Mean Age	4.93	4.51, 4.17	5.32
Mean hospital stay	6	6, 6	6



Research center |
Pakistan Children's Heart
Foundation



+923111143278

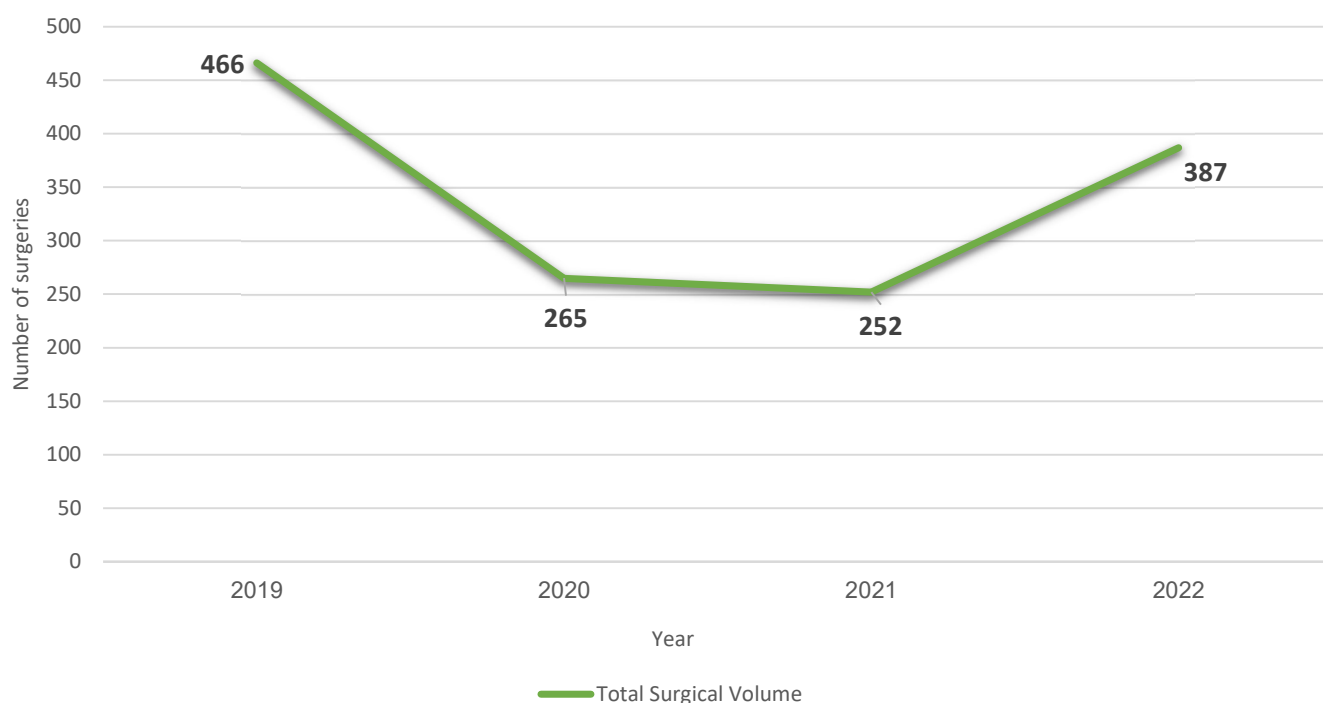


Twitter: @CHDHospital
| Facebook.com/Pakistan Children's
Heart Foundation
#CHD #CHDAwareness
#CHDAwarenessbyPCHF #CHHRI
#heartwarriors

Key Findings:

- In 2020, there was a 43% reduction in surgeries due to the pandemic
- Followed by only a 4.9% decrease in 2021
- Recovery of the surgical volume after the pandemic has been exponential

Figure 2: Total Surgical Volume in PCHF Before, During and After the Pandemic



Research center |
Pakistan Children's Heart
Foundation



+923111143278



Twitter: @CHDHospital
| Facebook.com/Pakistan Children's
Heart Foundation
#CHD #CHDAwareness
#CHDAwarenessbyPCHF #CHHRI
#heartwarriors

Figure 1: Open Heart Surgical Volume Before, During and After the Pandemic

- Open heart surgeries continue to be the more prevalent management for CHD correction

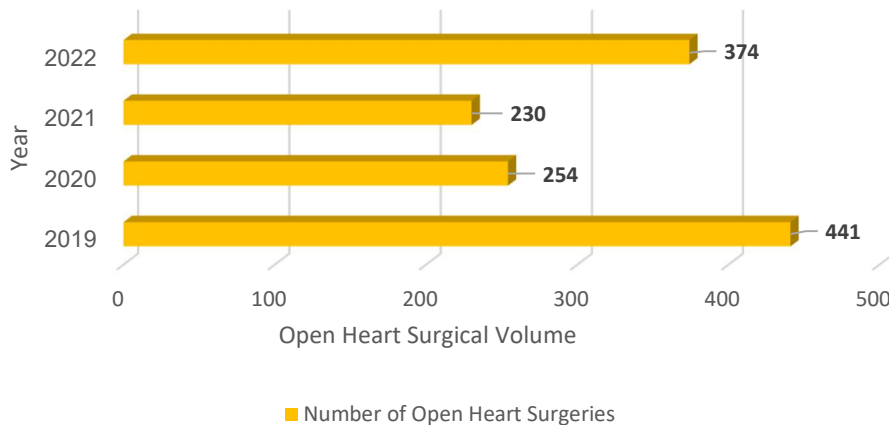
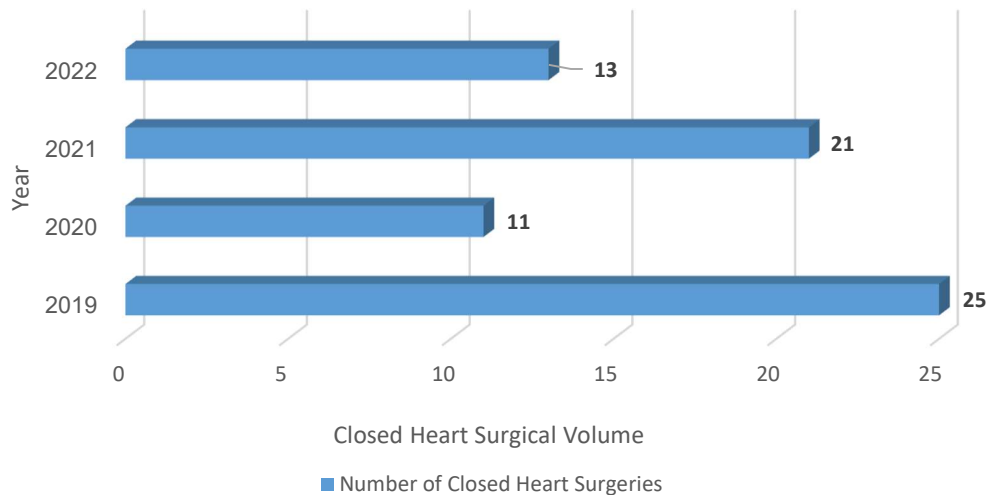


Figure 2: Closed Heart Surgical Volume Before, During and After the Pandemic

- In terms of closed heart surgeries, more surgeries were performed in 2020 when compared to 2022 (January- September)





This brief was produced by Dr Samaa Akhtar MD; MSc (London), GCP, MRSPH (UK) Senior Research Fellow, Pakistan Children's Heart Foundation (PCHF). The advocacy project is led by Mr. Farhan Ahmad, CEO (Volunteer) PCHF. Contact Information: research@pchf.org.pk and info@pchf.org.pk

Please reference the paper as:

Akhtar, S. and Ahmad, F., 2022. *Surgical Volume Recovery at PCHF After Covid-19* Pakistan Children's Heart Foundation Data Review Issue 7, p.4

Acknowledgements:

This brief presents independent research by Pakistan Children's Heart Foundation.



RESEARCH CENTER | PAKISTAN CHILDREN'S HEART FOUNDATION

www.pchf.org.pk | +923111143278

Twitter: @CHDHospital | Facebook.com/Pakistan Children's Heart Foundation

#CHD #CHDawareness #CHDawarenessbyPCHF #CHHRI #heartwarriors



Research center |
Pakistan Children's Heart
Foundation



+923111143278



Twitter: @CHDHospital
| Facebook.com/Pakistan Children's
Heart Foundation
#CHD #CHDawareness
#CHDawarenessbyPCHF #CHHRI
#heartwarriors