

# Annual Medical Procedure Statistics

Comprehensive Review & Analysis

## 📌 Executive Summary

The evidences reflect a clear trajectory of recovery and stabilization of advanced cardiac services in the post-war context. Despite the operational disruptions and resource constraints associated with the conflict, the government supported interventional cardiology program succeeded in maintaining service delivery at a level comparable to the pre-war baseline. The continued operation of 10 interventional catheterization centers across six states matching the number of centers available at the beginning of 2023 indicates successful preservation of critical infrastructure and service continuity during the recovery phase.

### 🏠 Total Procedures (2018-2024)

**41,131**

Peak year: **2019** with 8,159 procedures

Average: **5,876 procedures per year**

### 🩺 Diagnostic Procedures

**28,289**

**68.8% of all procedures**

Highest in **2022** (5,212 procedures)

### ❤️ PCI Procedures

**8,599**

**20.9% of all procedures**

Peak in **2019** (1,902 procedures)

### 🩺 Other Procedures

**4,243**

10.3% of total procedures

**VVIR pacemakers** most common (2,336)

📈 **Trend Analysis:** Total procedures peaked in 2019 (8,159), dropped significantly in 2020 (5,201) likely due to COVID-19, recovered in 2021-2022, then declined again in 2023-2024. Several procedures show zero values in 2024, indicating potential discontinuation or reporting changes.

## 📊 Complete Procedure Data (2018-2024)

Detailed annual statistics for all medical procedures from 2018 to 2024.

Procedure	2018	2019	2020	2021	2022	2023	2024
<b>Diagnostic</b> <span>-44.1%</span> <i>Diagnostic cardiac catheterization</i>	4,035	5,360	3,263	4,345	5,212	2,819	2,255
<b>PCI</b> <span>-37.4%</span> <i>Percutaneous Coronary Intervention</i>	1,233	1,902	1,272	1,428	1,809	1,183	772
<b>PTMC</b> <span>-100%</span> <i>Percutaneous Transvenous Mitral Commissurotomy</i>	89	147	50	90	97	23	0
<b>DDDR</b> <span>-8.2%</span> <i>Dual Chamber Rate Responsive Pacemaker</i>	134	191	184	200	292	189	123
<b>VDD</b> <span>-100%</span> <i>Single Lead VDD Pacemaker</i>	100	26	27	208	3	0	0
<b>VVIR</b> <span>+19.1%</span> <i>Single Chamber Rate Responsive Pacemaker</i>	241	417	338	296	475	282	287
<b>Pead.Diag</b> <span>-100%</span> <i>Pediatric Diagnostic Procedures</i>	16	12	12	38	52	32	0
<b>Pead.PDA</b> <span>-100%</span> <i>Pediatric PDA Closure</i>	20	51	14	38	77	48	0
<b>ASD Device</b> <span>-100%</span> <i>Atrial Septal Defect Device Closure</i>	8	10	9	15	15	1	0
<b>Pulm.Valvplasty</b> <span>-100%</span> <i>Pulmonary Valvuloplasty</i>	29	43	32	64	58	40	0
<b>Total</b> <span>-41.8%</span>	<b>5,905</b>	<b>8,159</b>	<b>5,201</b>	<b>6,722</b>	<b>8,090</b>	<b>4,617</b>	<b>3,437</b>

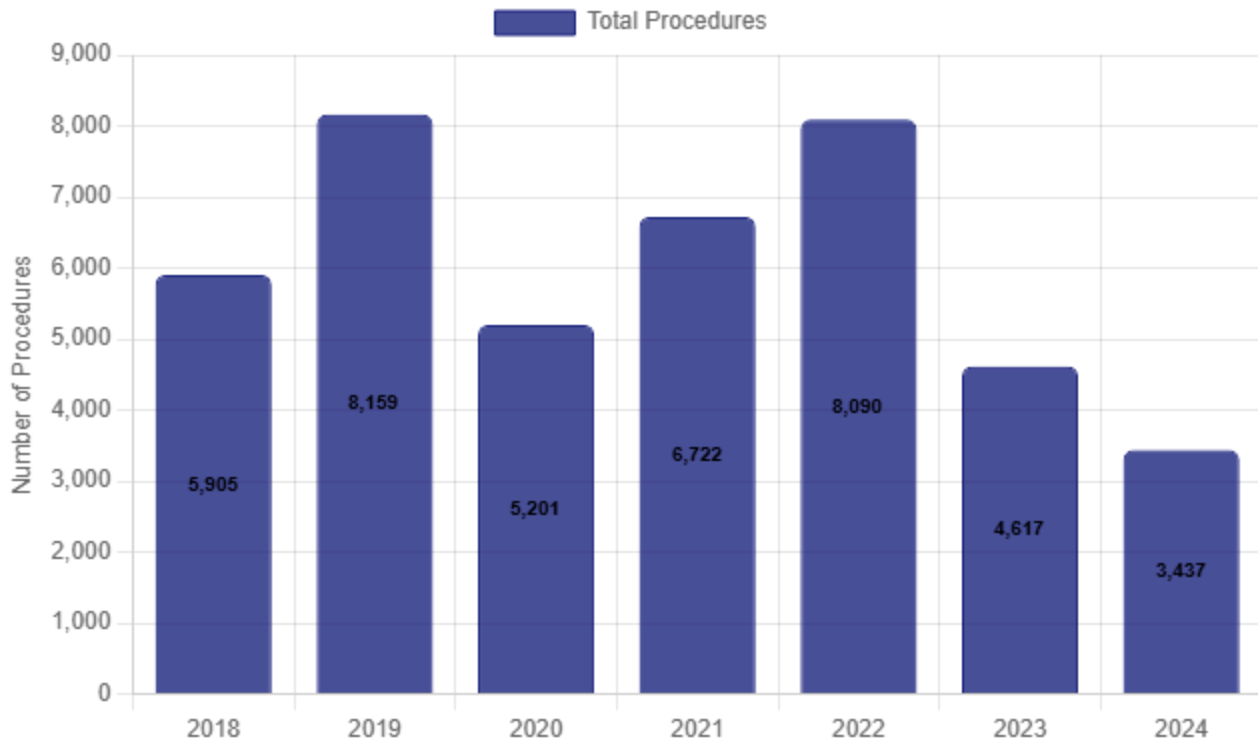
**i Note:** Empty cells indicate zero procedures for that year. Several procedures (PTMC, VDD, Pead.Diag, Pead.PDA, ASD Device, Pulm.Valvplosty) show zero values in 2024, which may indicate discontinued procedures or reporting changes.

**Abbreviations:** PCI = Percutaneous Coronary Intervention, PTMC = Percutaneous Transvenous Mitral Commissurotomy, DDDR/VDD/VVIR = Pacemaker types, Pead.Diag = Pediatric Diagnostic, Pead.PDA = Pediatric PDA Closure, ASD Device = Atrial Septal Defect Device Closure, Pulm.Valvplosty = Pulmonary Valvuloplasty

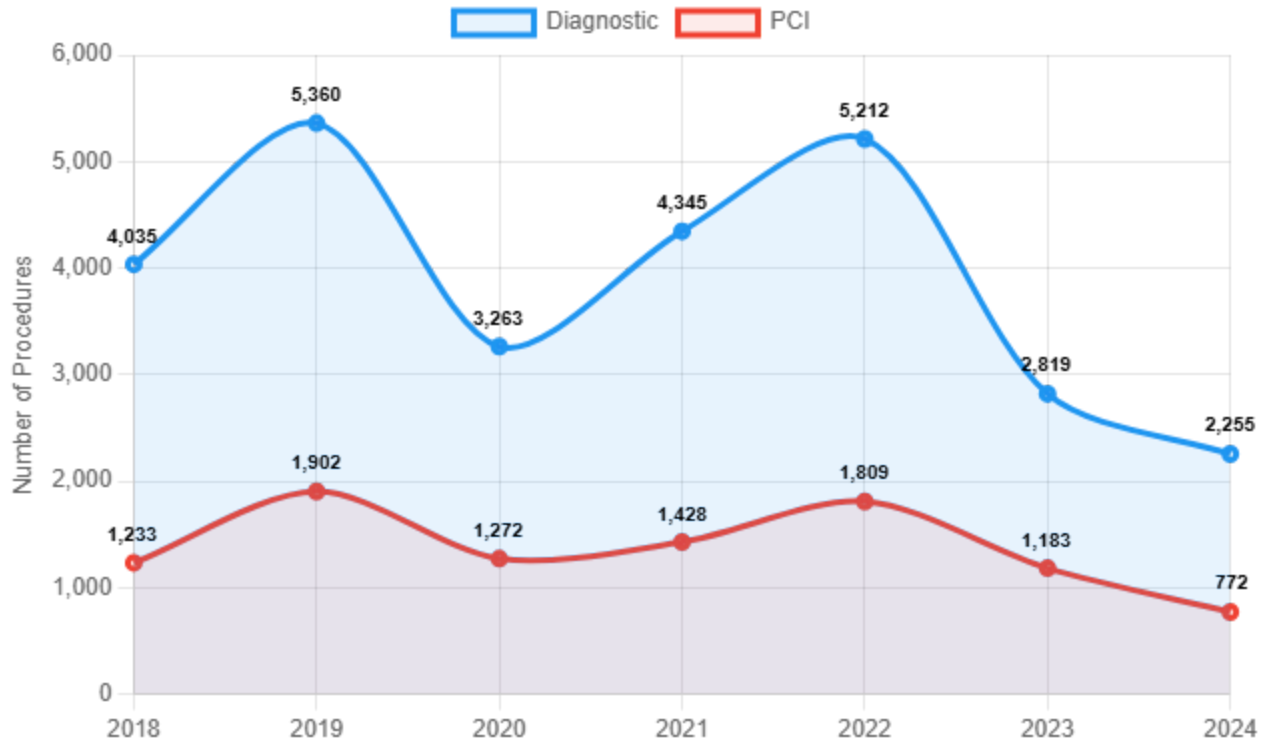
## Yearly Procedure Trends

Annual trends for total procedures and major procedure categories from 2018 to 2024.

### Total Procedures by Year



## Diagnostic vs PCI Trends

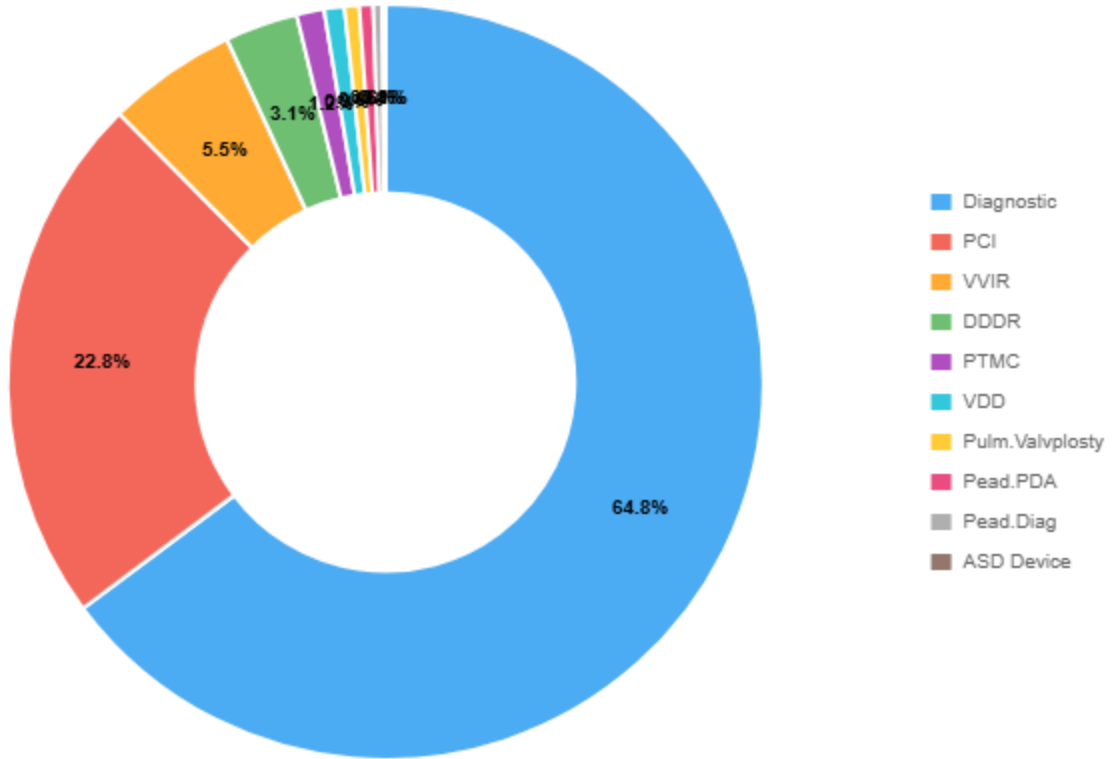


■ Total Procedures ■ Diagnostic ■ PCI ■ Other Procedures

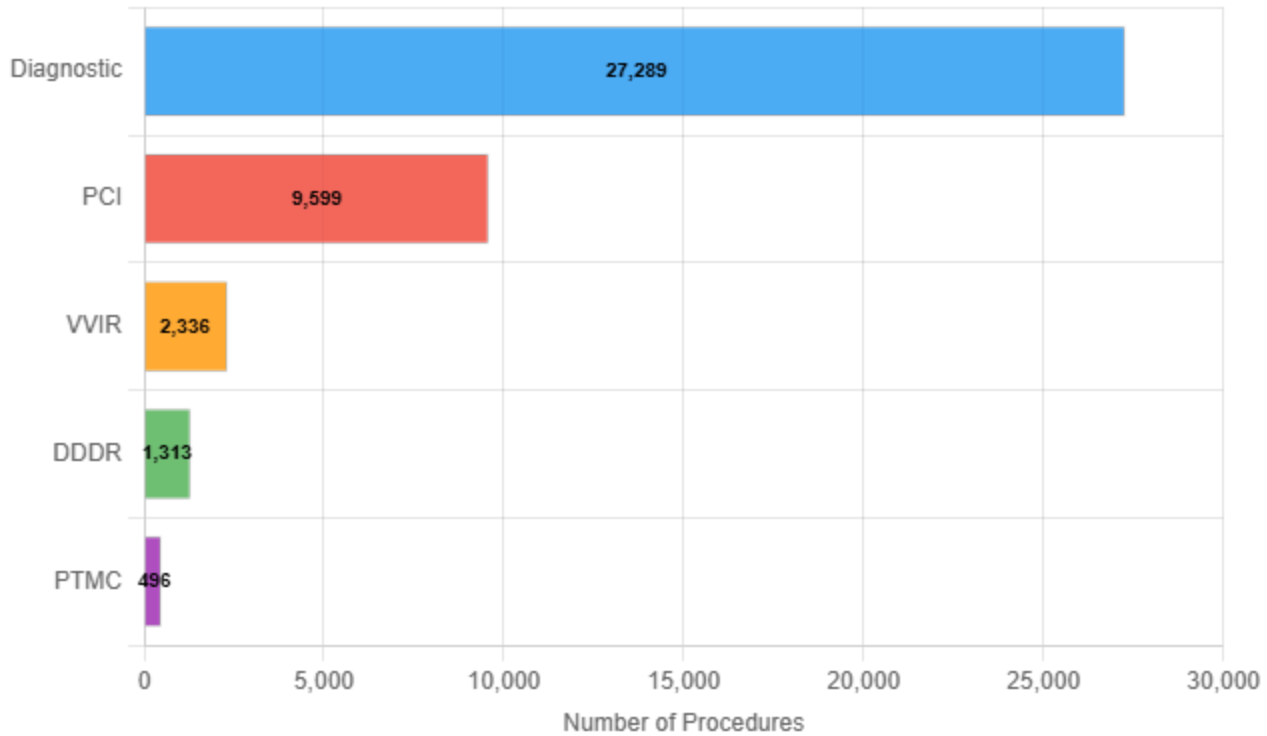
# Procedure Type Analysis

Distribution and comparison of different procedure types across the 7-year period.

Procedure Distribution (2018-2024)



## ☰ Top 5 Procedures by Volume

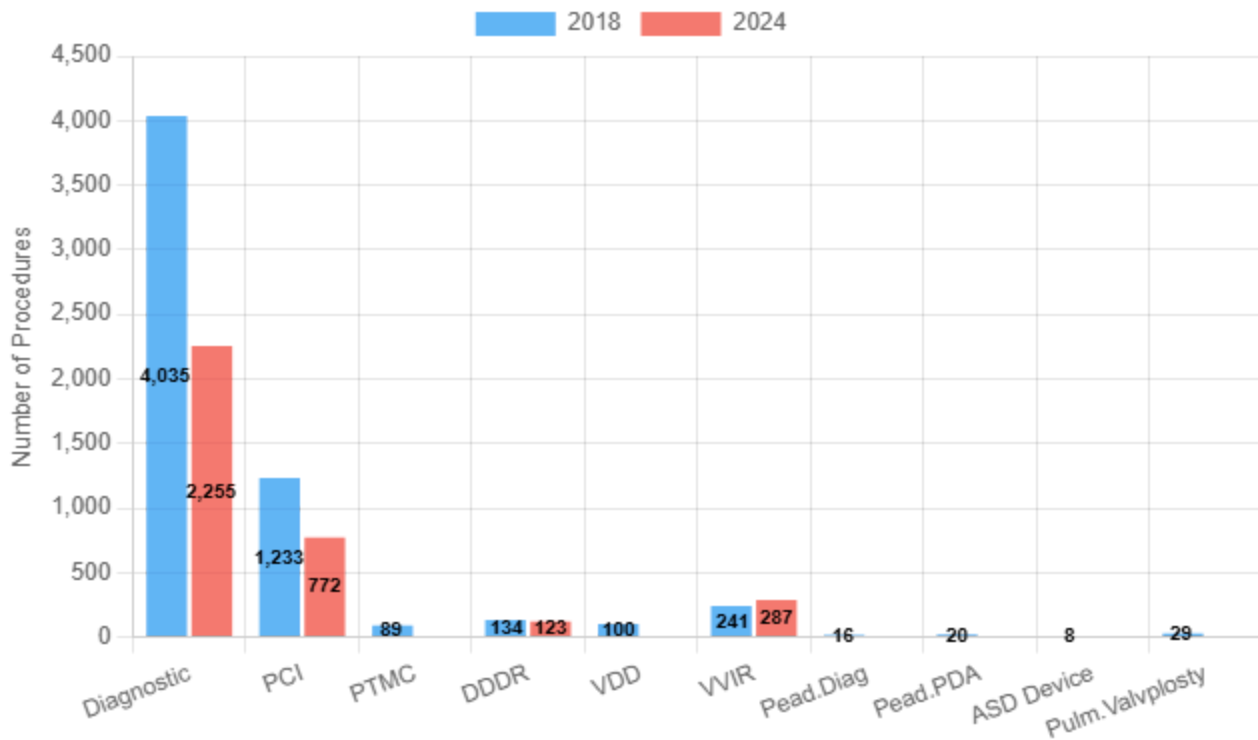



**Key Finding:** Diagnostic procedures dominate the dataset, accounting for 68.8% of all procedures. PCI procedures represent the second largest category at 20.9% of total procedures. The top 5 procedures account for 96.2% of all procedures performed.

## Year-over-Year Comparison

Compare procedure volumes between different years to identify trends and changes.

### Year Comparison: 2018 vs 2024



 **Insight:** Comparing 2019 (peak year with 8,159 procedures) to 2024 (3,437 procedures) shows a **57.9% decrease** in total procedures. The most significant declines are in PTMC (-100%), pediatric procedures (-100%), and VDD pacemakers (-100%). Diagnostic procedures decreased by 57.9% and PCI by 59.4%.

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Annual Medical Procedure Statistics Report | Data Period: 2018 - 2024

This report is for analytical purposes. Data should be verified against original sources.

Report generated: December 2024 | Total procedures: 41,131