

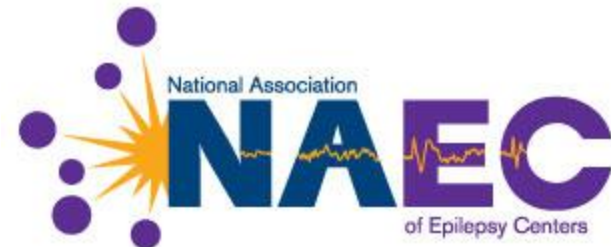
NAEC Update – 2025 Center Annual Report Data

Fred Lado, MD, PhD and Stephan Schuele, MD
NAEC President and Vice President

May 5, 2025

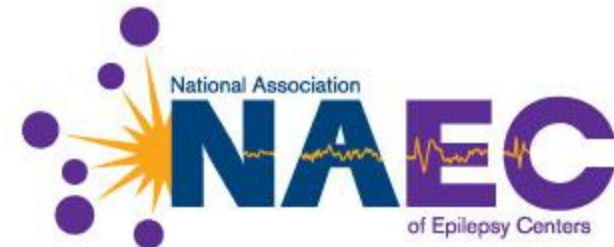


Overview of 2025 Accreditation Results



2024 vs 2025 NAEAC Membership

Number of Members in 2024	309
Number of applicants due to the adult/ped split	9
Number of applicants at new centers	14
Number of centers who did not complete process or withdrew	- 3
Total number of centers at the end of 2025 accred process	329 (net increase 20 centers)



Center Demographics – 2025 vs 2024

2025 Center Demographics			
	Adult	Pediatric	Total
Level 4	147 (+13)	88 (+7)	235 (+4)
Level 3	63 (+16)	31 (+7)	94 (+16)
Total	210 (+29)	119 (+14)	329 (+20)
Note: (changes) are compared to 2024			

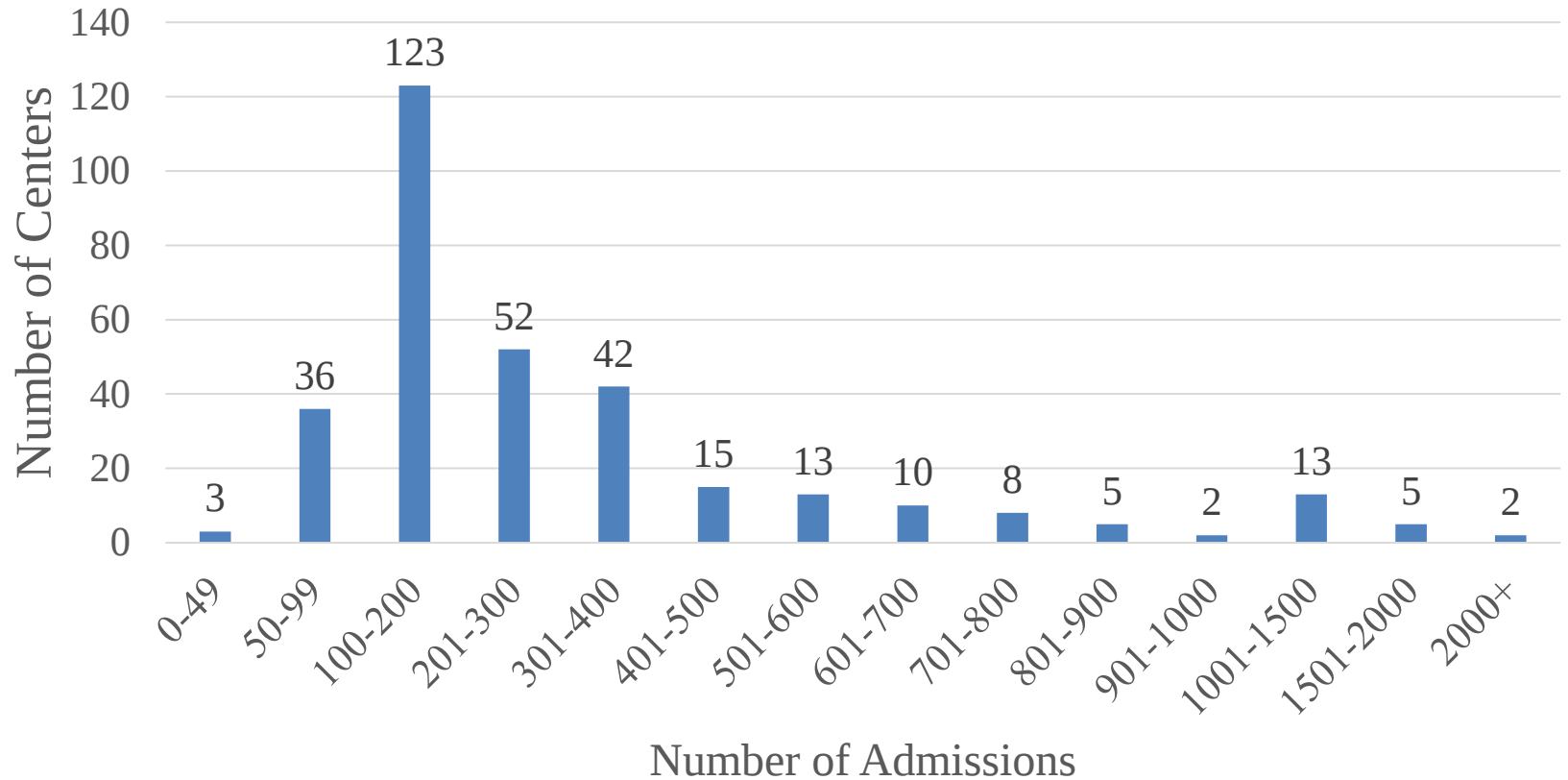
2025 Accreditation Decisions

	# of Centers
Level 4	225 (+14 from 2024)
Level 4 Conditional	10 (-10 from 2024)
Level 3	91 (+13 from 2024)
Level 3 Conditional	3 (+3 from 2024)
No Accreditation	3

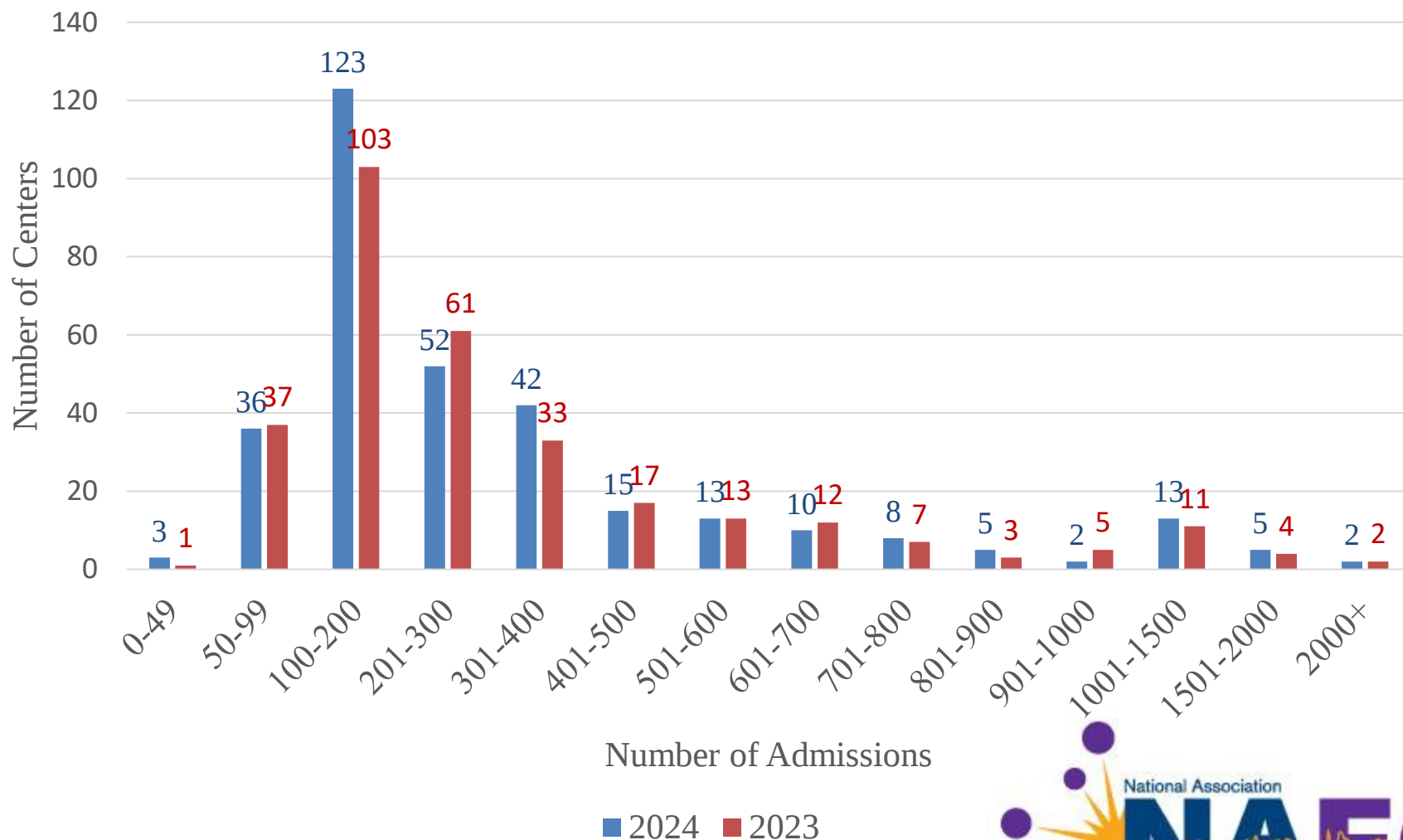
Detailed 2024 Data



EMU Admissions - 2024



EMU Admissions - 2023 and 2024



2024 EMU Admissions – Total Patients

2024 Total EMU Admissions: 110,514

Total Patients <18	Total Patients 19+
61,188	50,548

2023 Total EMU Admissions: 104,666

2022 Total EMU Admissions: 84,858

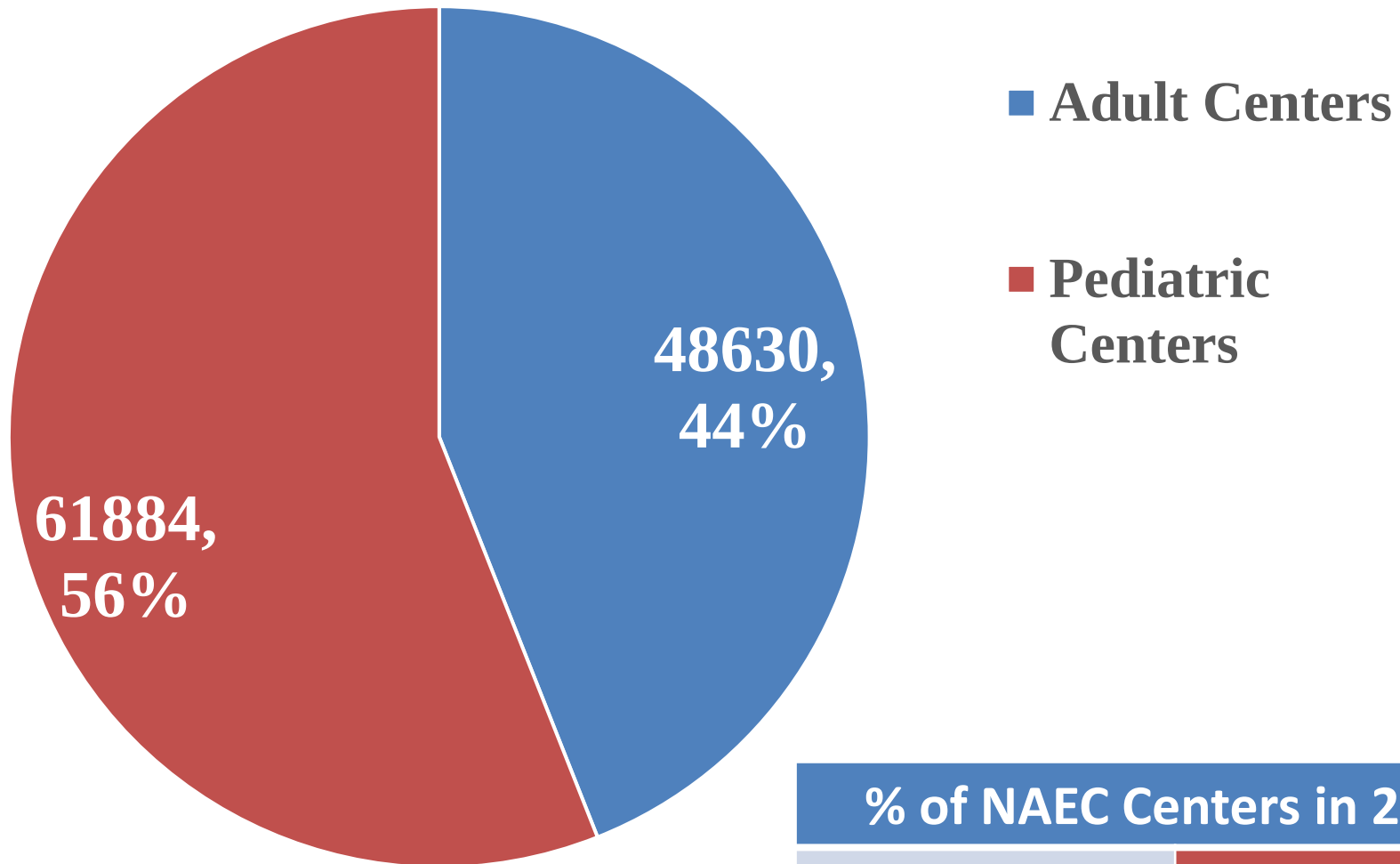
2021 Total EMU Admissions: 84,532

2020 Total EMU Admissions: 68,992

2019 Total EMU Admissions: 95,565



2024 EMU Admissions by Center Type

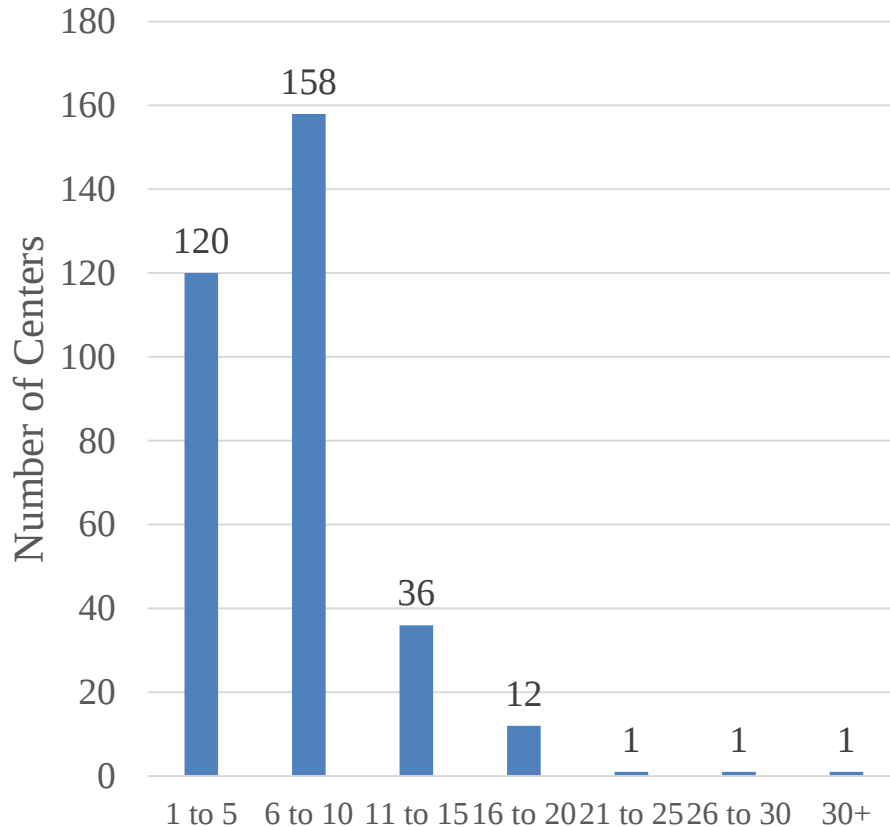


% of NAEC Centers in 2024

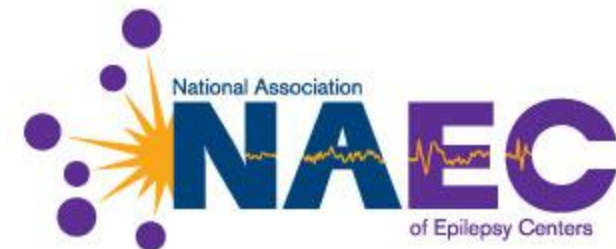
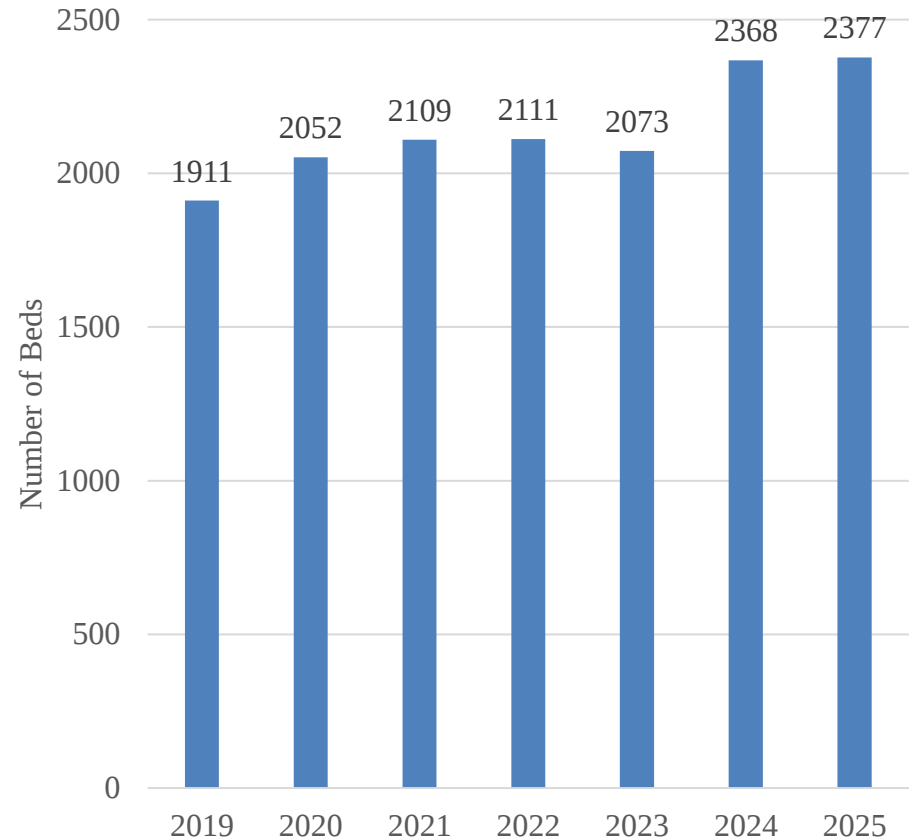
Adult	Ped
64%	36%

Number of EMU Beds – 2019-2025

Number of Beds - 2025



Total Beds Reported



Average LOS 2024

Average Length of Stay in Days by Center Type		
	Adult Patients	Pediatric Patients
Adult Centers	4.00	[0.95]
Ped Centers	[1.86]	3.22

Average Length of Stay Reported by NAEAC Centers									
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
3.5	3.5	3.4	3.4	3.5	3.4	3.4	3.4	3.1	2.5



Distribution of Procedures – Totals Reported by NAECC Centers for 2024

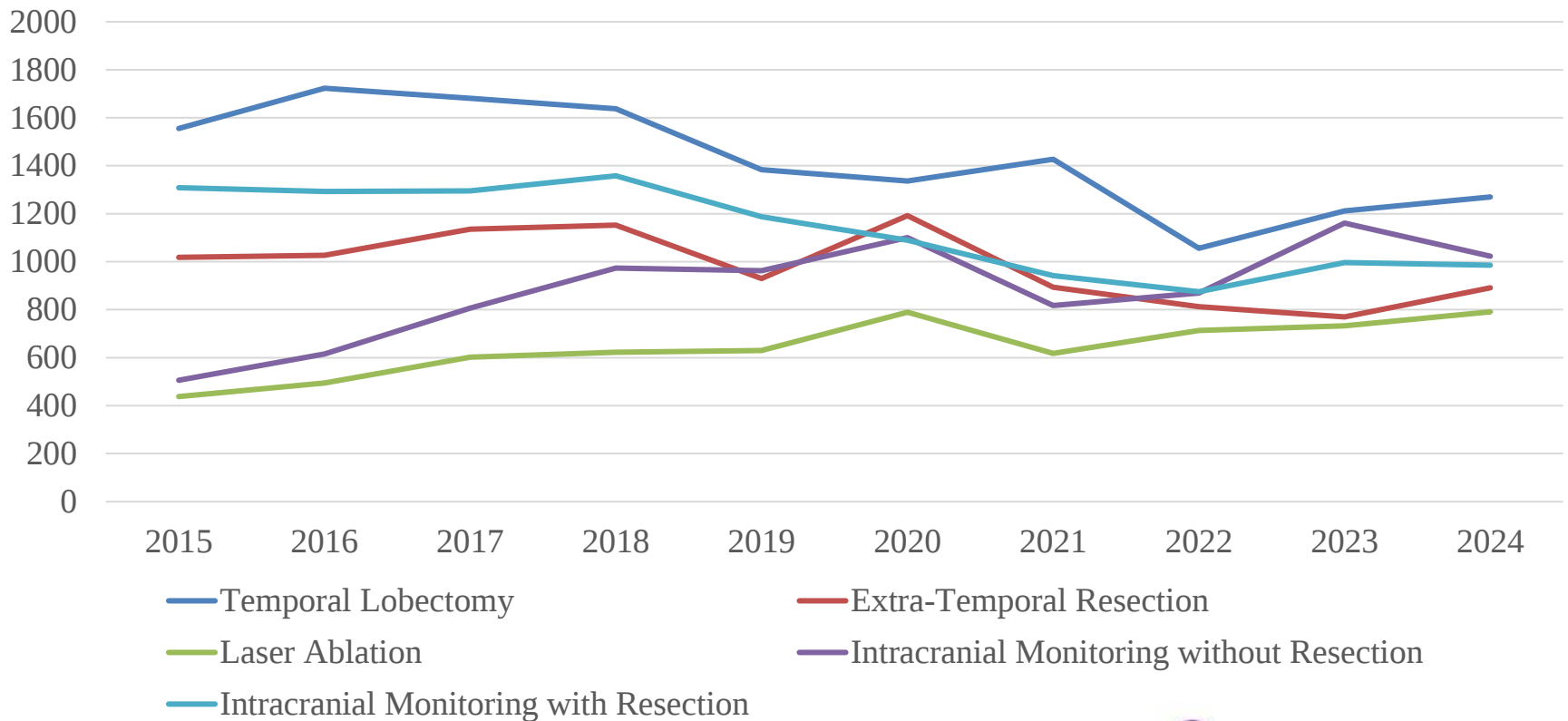
Procedure	Ped Pts	Adult Pts	All Pts
Temporal Lobectomy	330	940	1270
Extra-Temporal Resection	435	456	891
Laser Ablation	275	516	791
Intracranial Monitoring with Resection	388	598	986
Intracranial Monitoring without Resection	275	748	1023

Percentage of Change by Procedure

Procedure	2024 vs 2023	2024 vs 2022	2024 vs 2021
Temporal Lobectomy	5%	20%	-11%
Extra-Temporal Resection	16%	10%	0%
Laser Ablation	8%	11%	28%
Intracranial Monitoring without Resection	-12%	18%	25%
Intracranial Monitoring with Resection	-1%	13%	5%



Total Procedures – 2015 - 2024



Distribution of Procedures – Totals Reported by NAEAC Centers for 2024

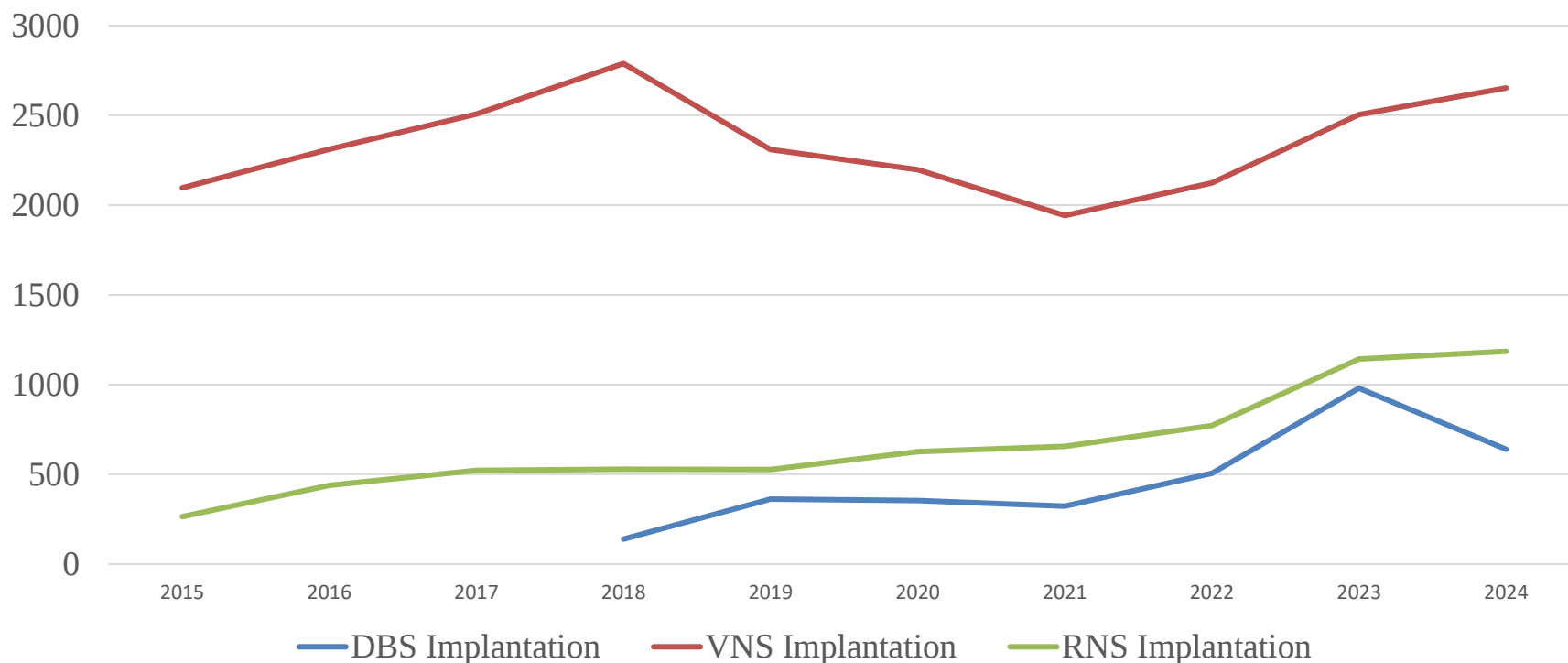
Procedure	Ped Pts	Adult Pts	All Pts
DBS Implantation	90	549	639
VNS Implantation	1253	1400	2653
RNS Implantation	237	948	1185



Percentage of Change by Procedure

Procedure	2024 vs 2023	2024 vs 2022	2024 vs 2021
DBS Implantation	-35%	27%	98%
VNS Implantation	6%	25%	37%
RNS Implantation	4%	54%	81%

Total Procedures – 2015-2024



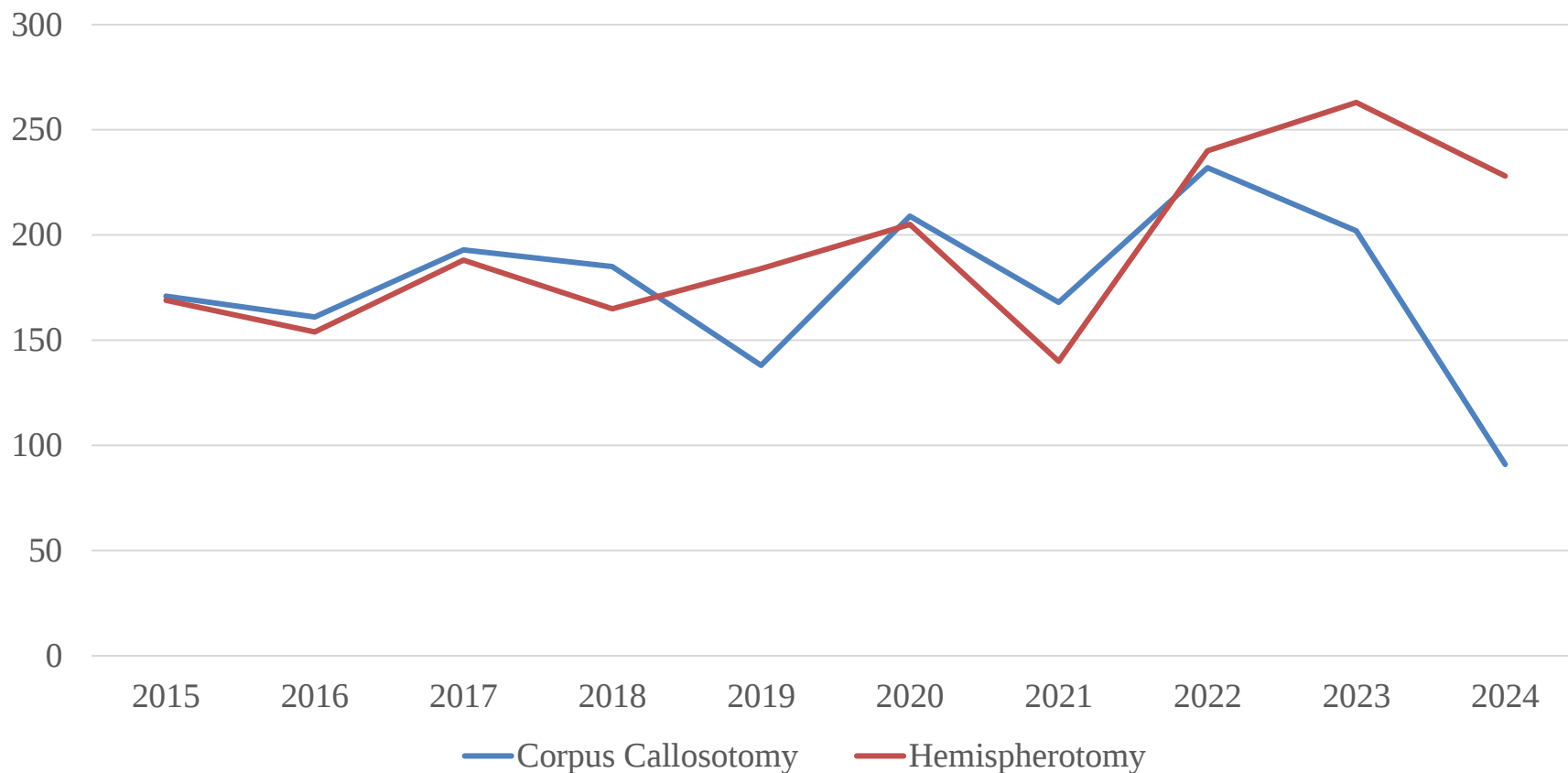
Distribution of Procedures – Totals Reported by NAEAC Centers for 2024

Procedure	Ped Pts	Adult Pts	All Pts
Hemispherotomy	198	30	228
Corpus Callosotomy	61	30	91

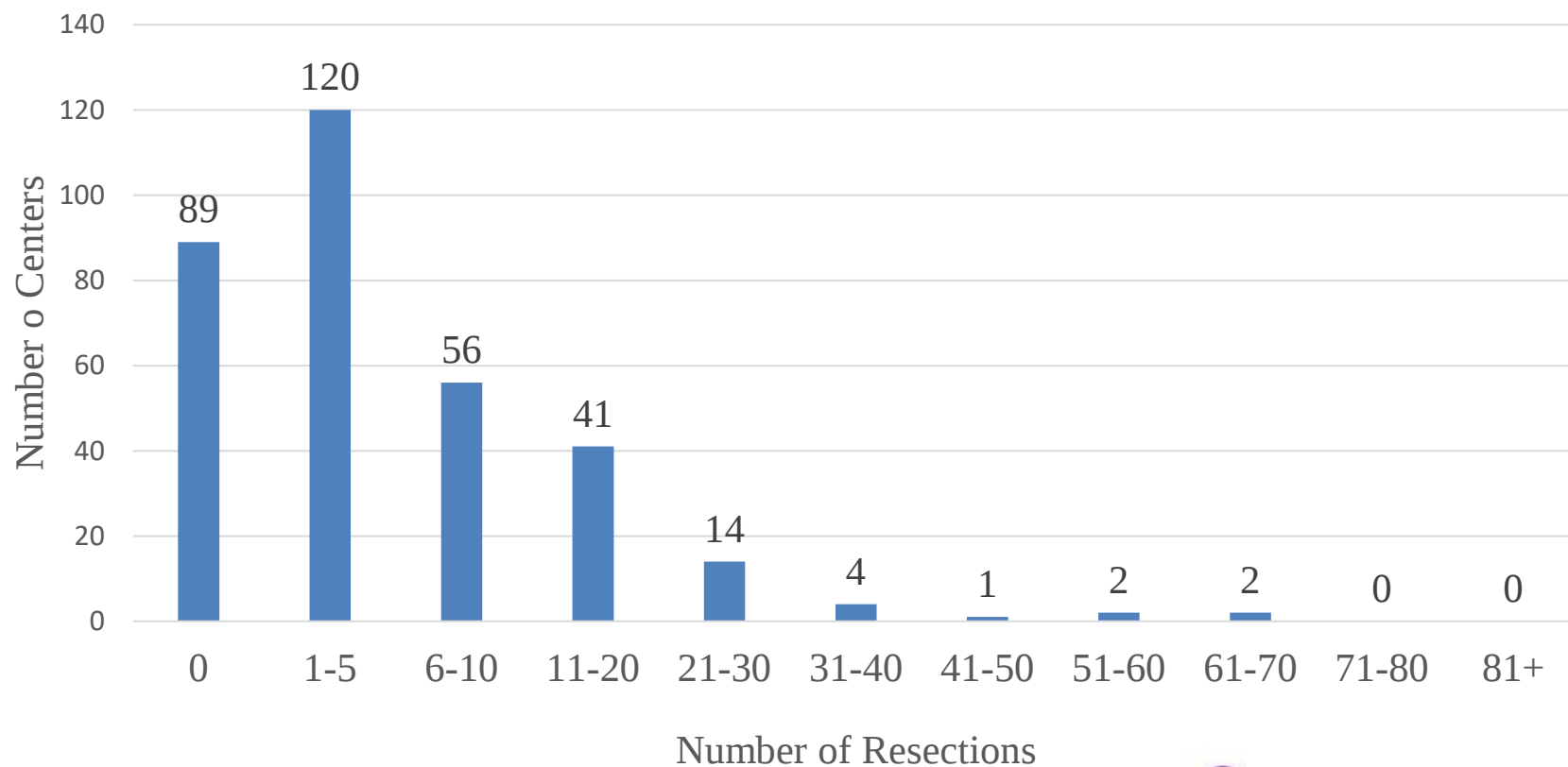
Percentage of Change by Procedure

Procedure	2024 vs 2023	2024 vs 2022	2024 vs 2021
Corpus Callosotomy	-55%	-61%	-46%
Hemispherotomy	-13%	-5%	63%

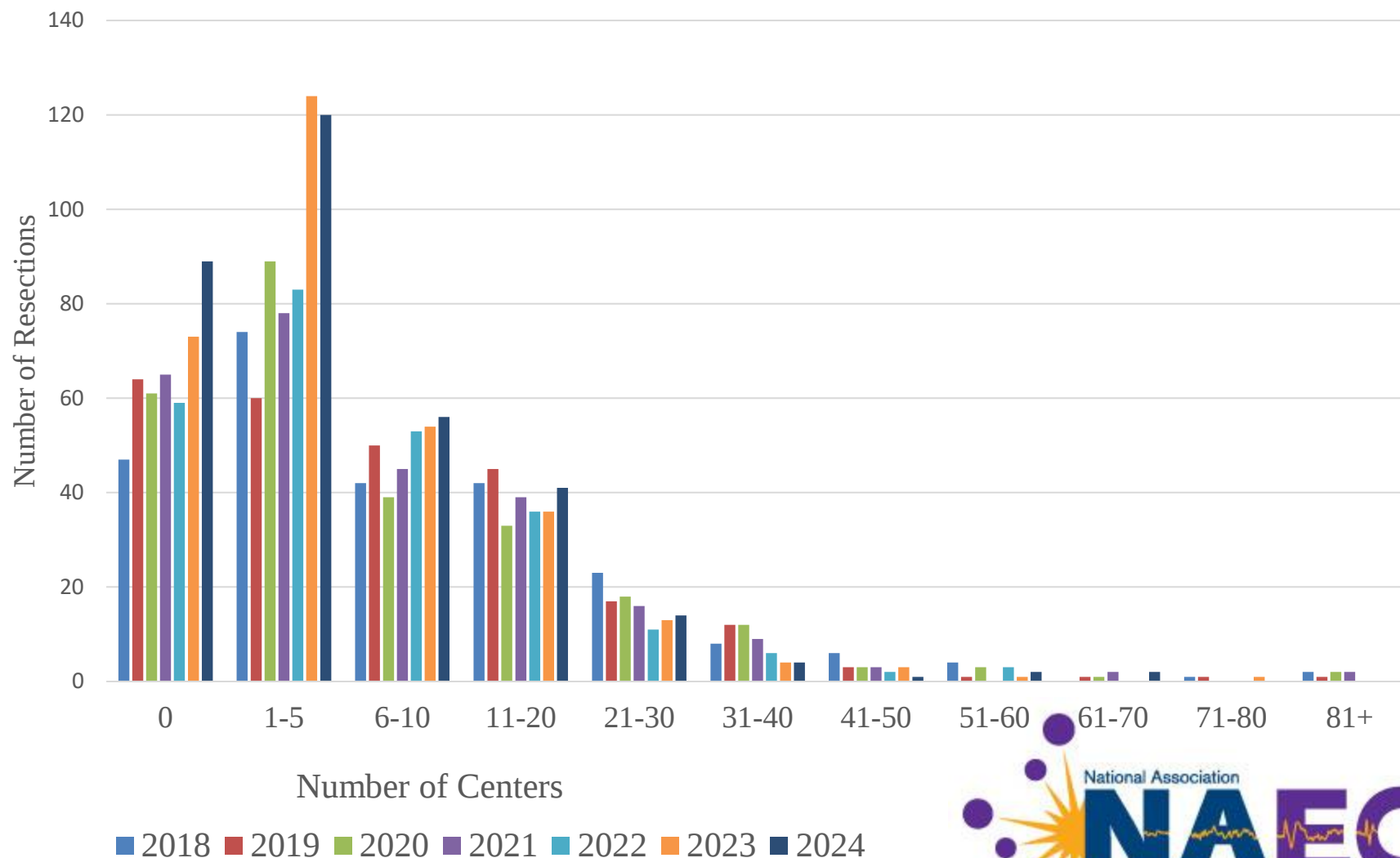
Total Procedures – 2015-2024



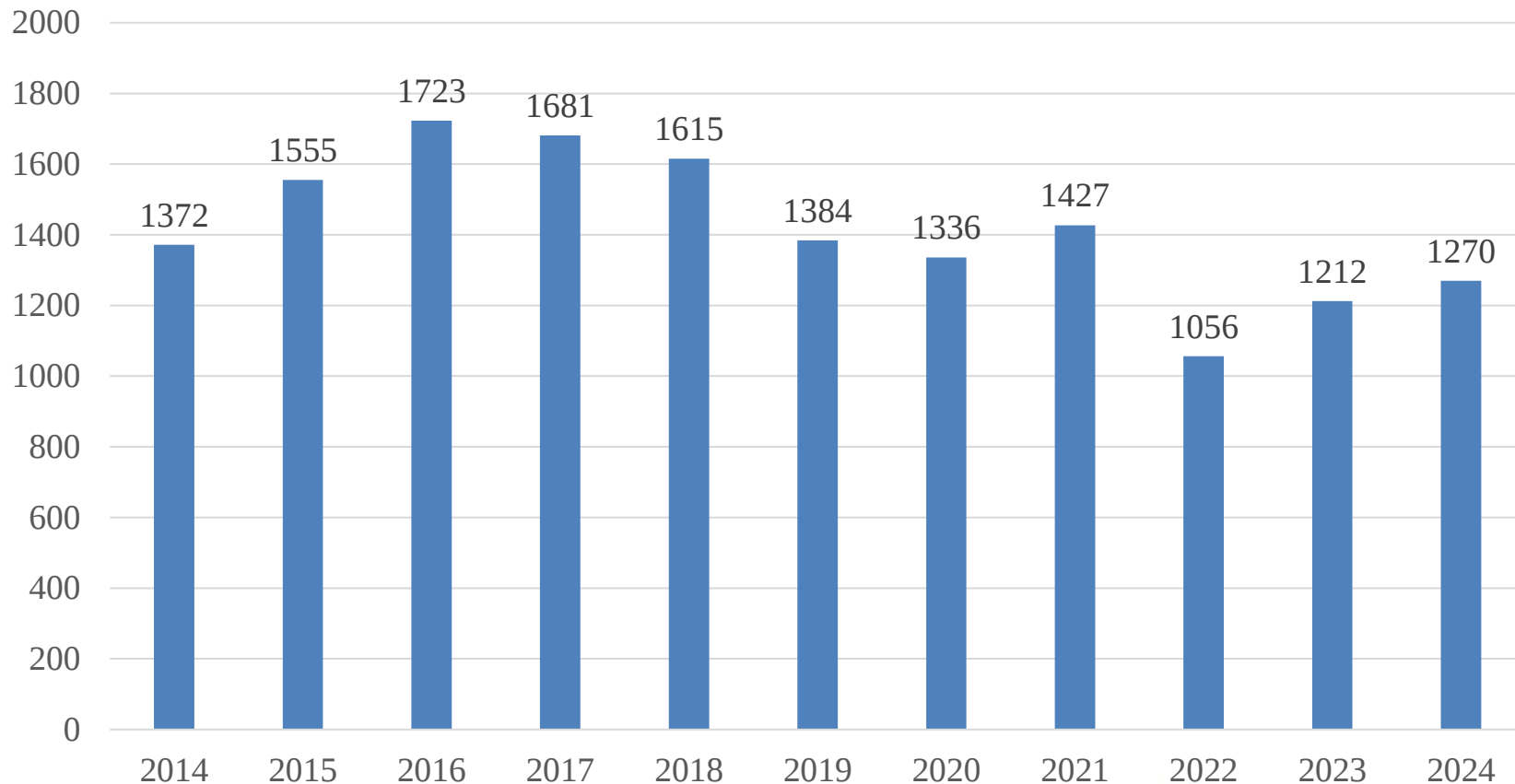
Total Resections 2024



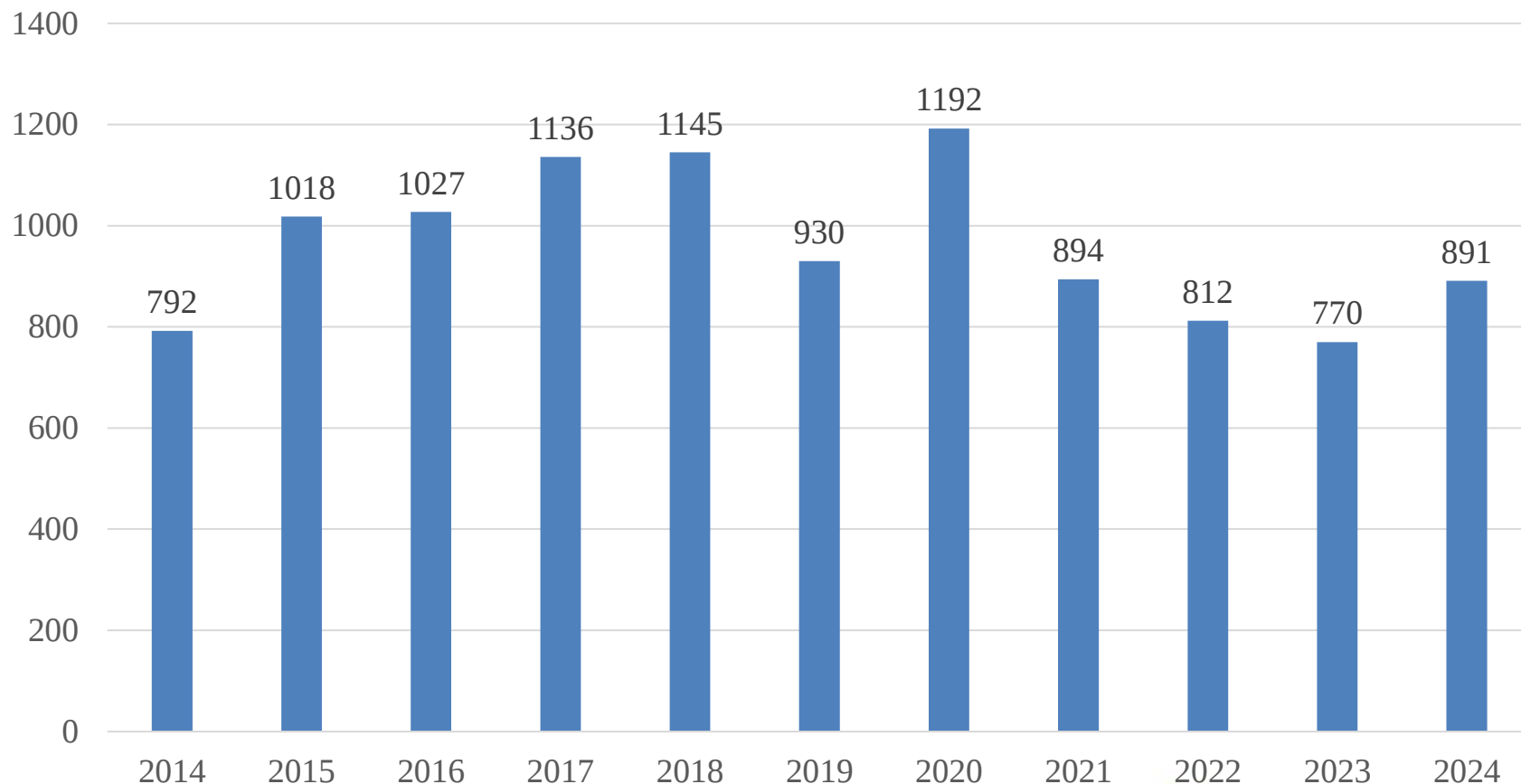
Total Resections 2018-2024



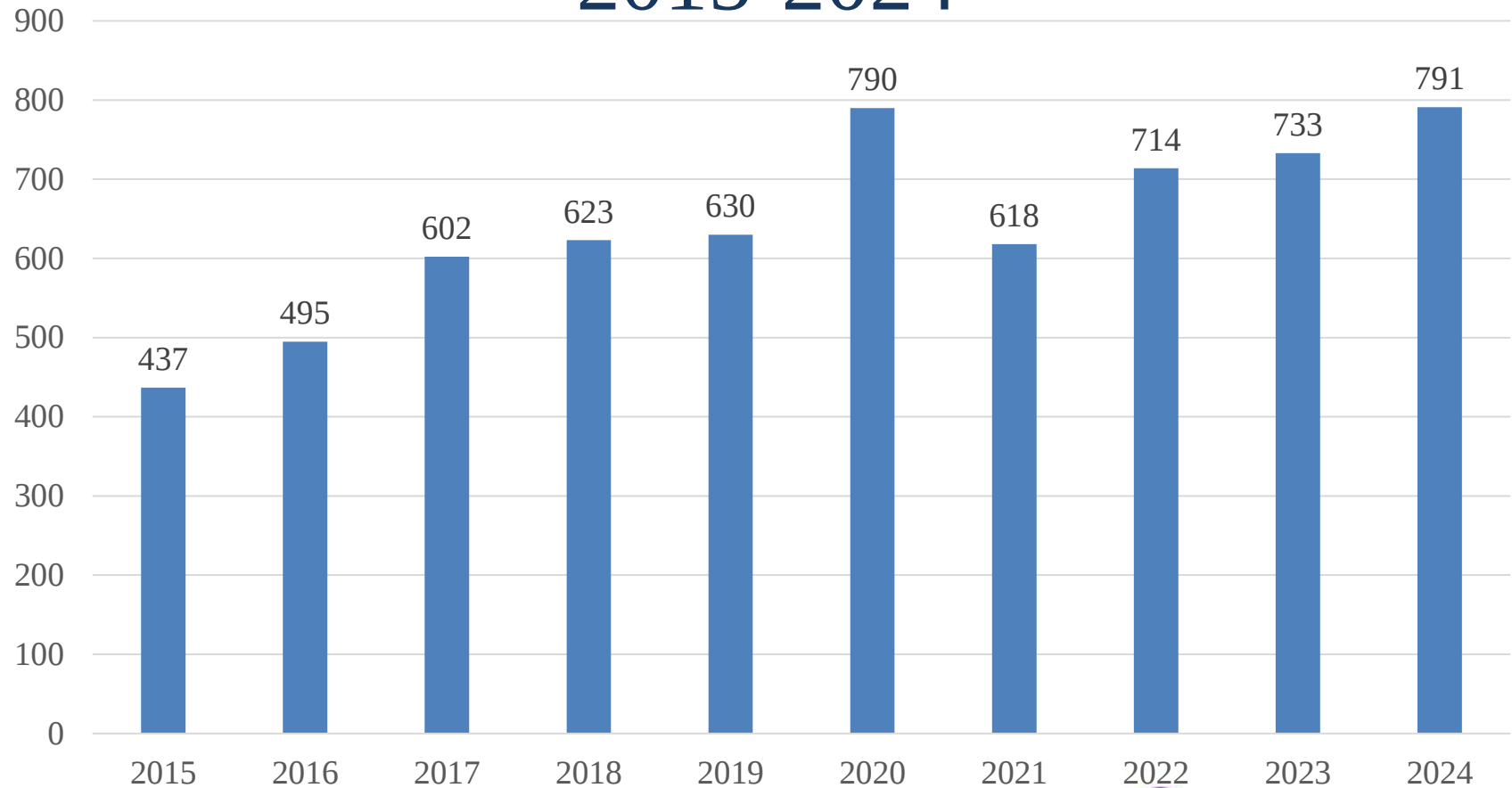
Total Temporal Resections 2014-2024



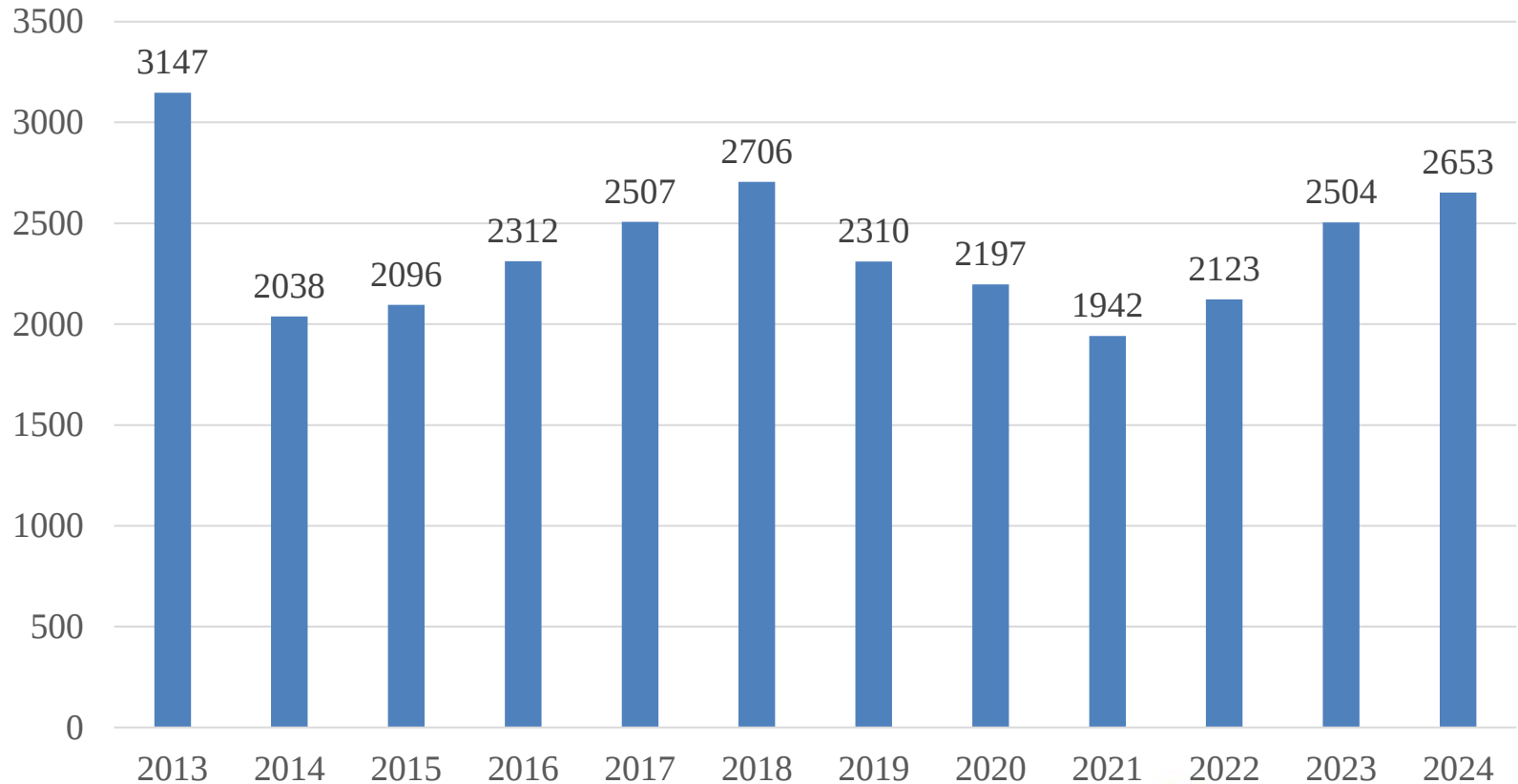
Total Extra Temporal Resections – 2014-2024



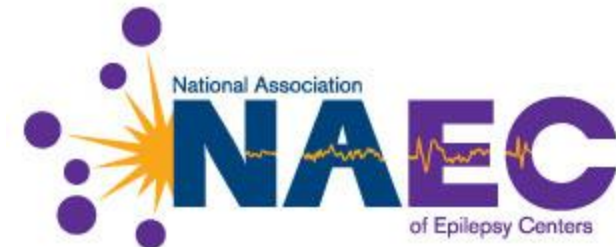
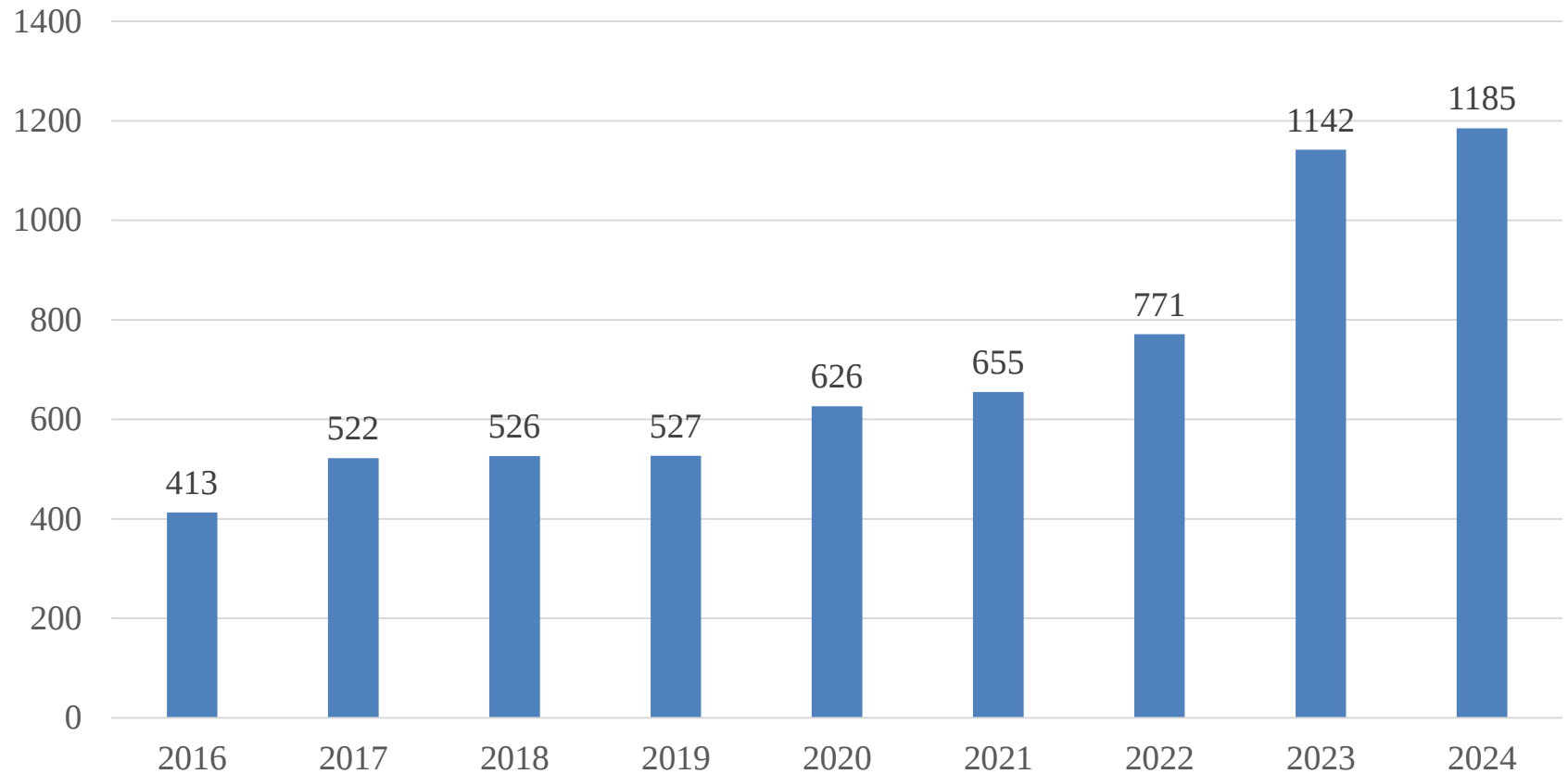
Total Laser Ablation Procedures 2015-2024



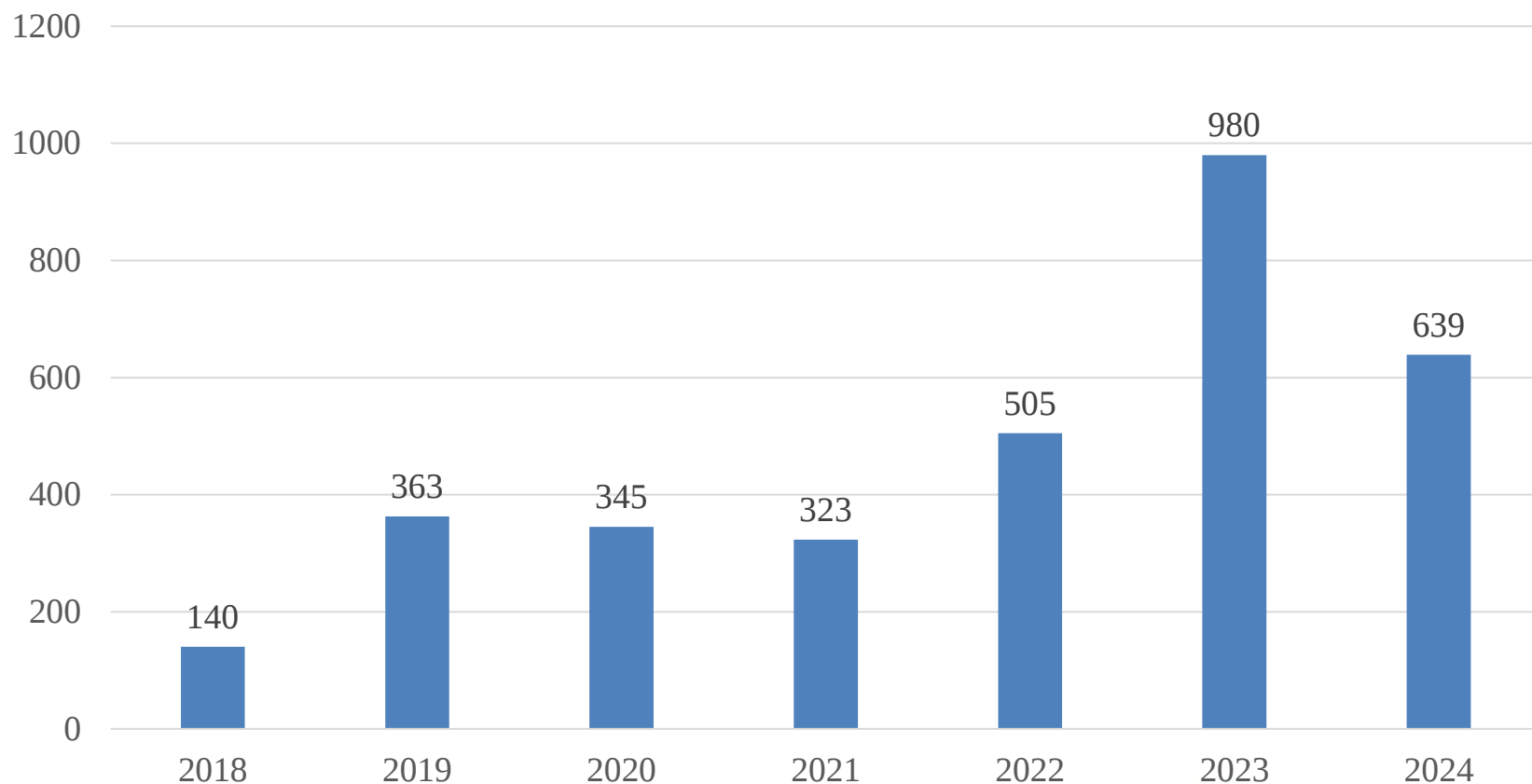
Total VNS Implantations 2013-2024



Total RNS Implantations 2016-2024



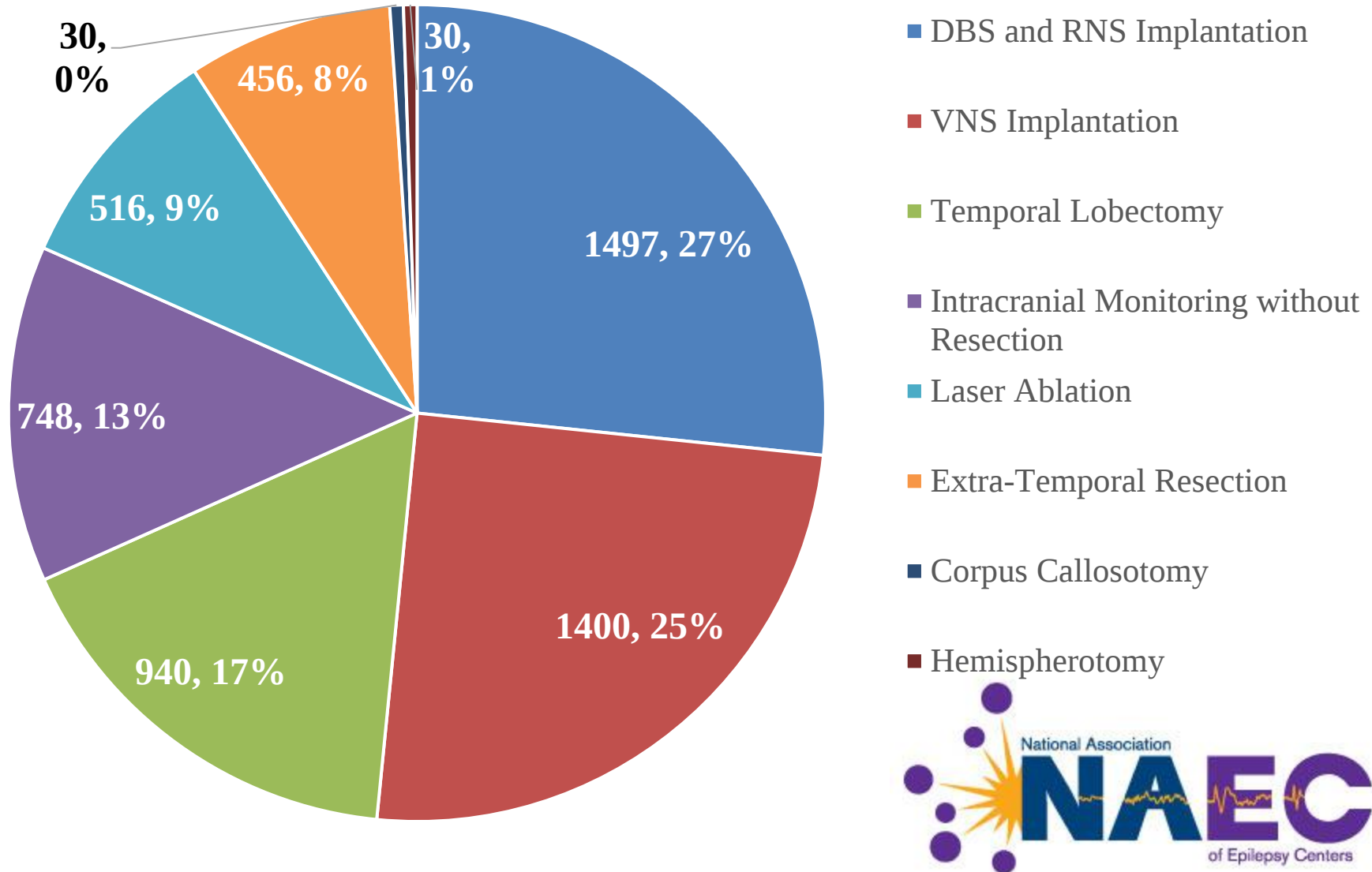
Total DBS Implantations 2018-2024



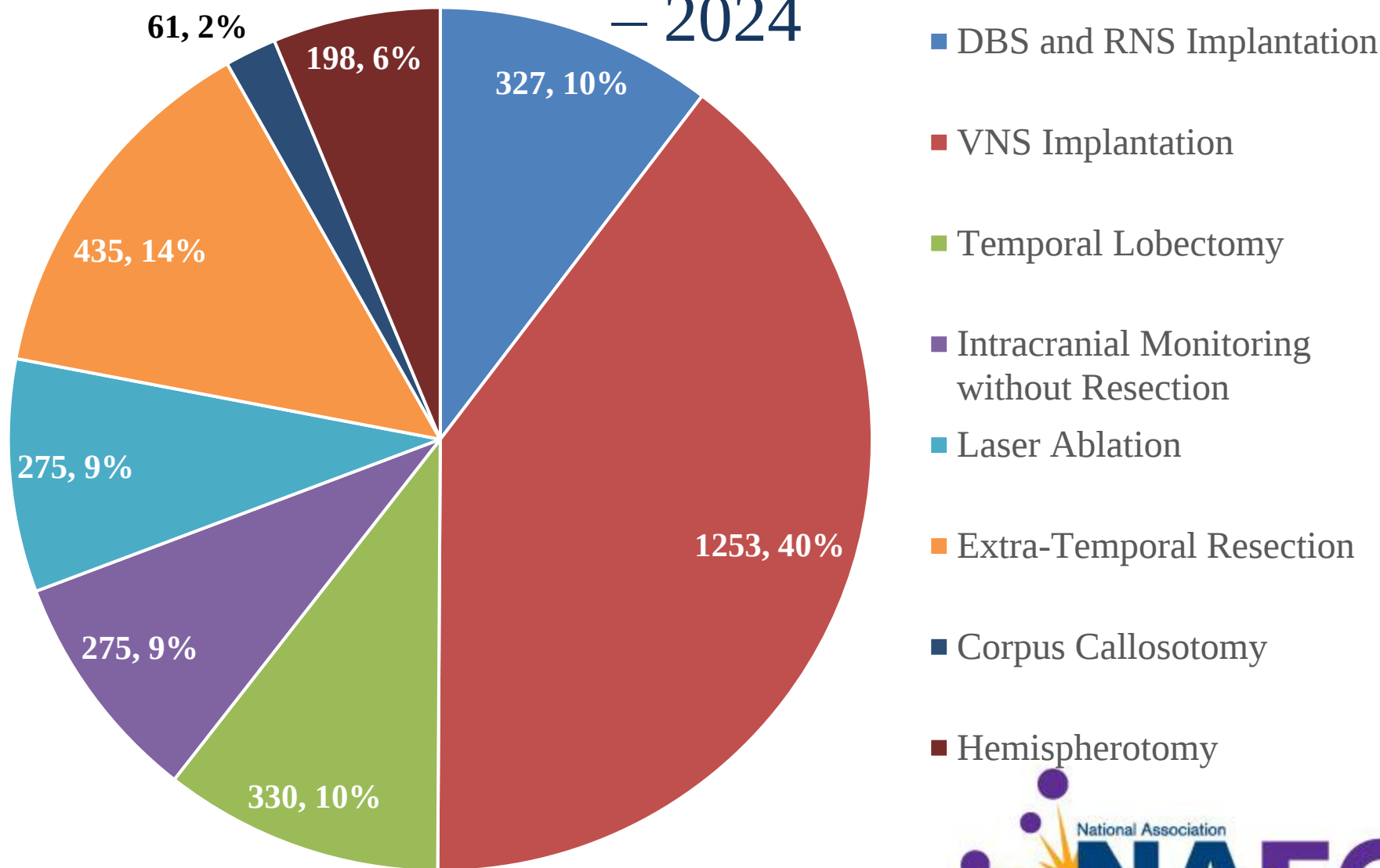
Procedures by Age



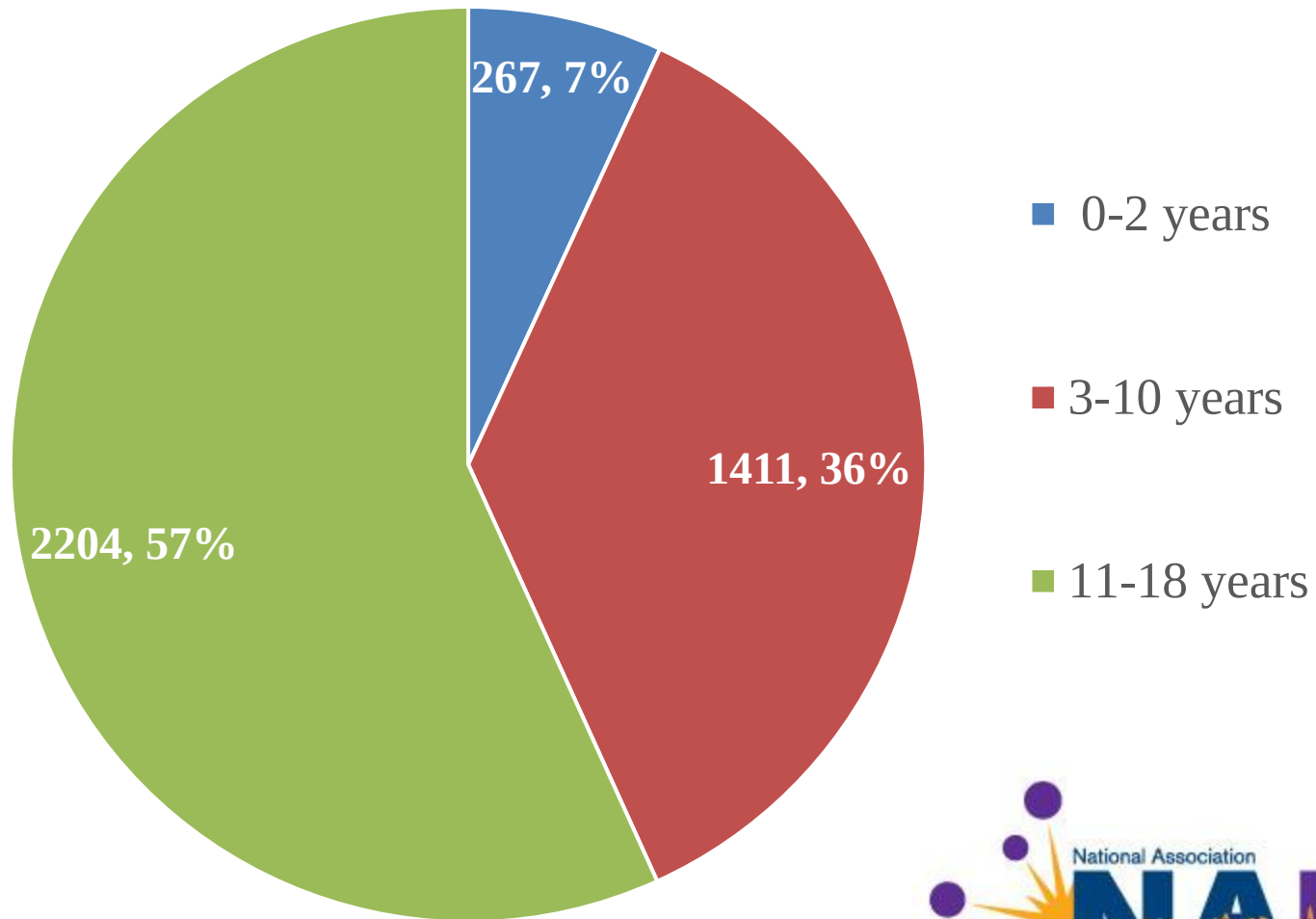
Distribution of Procedures for Adult Patients 2024



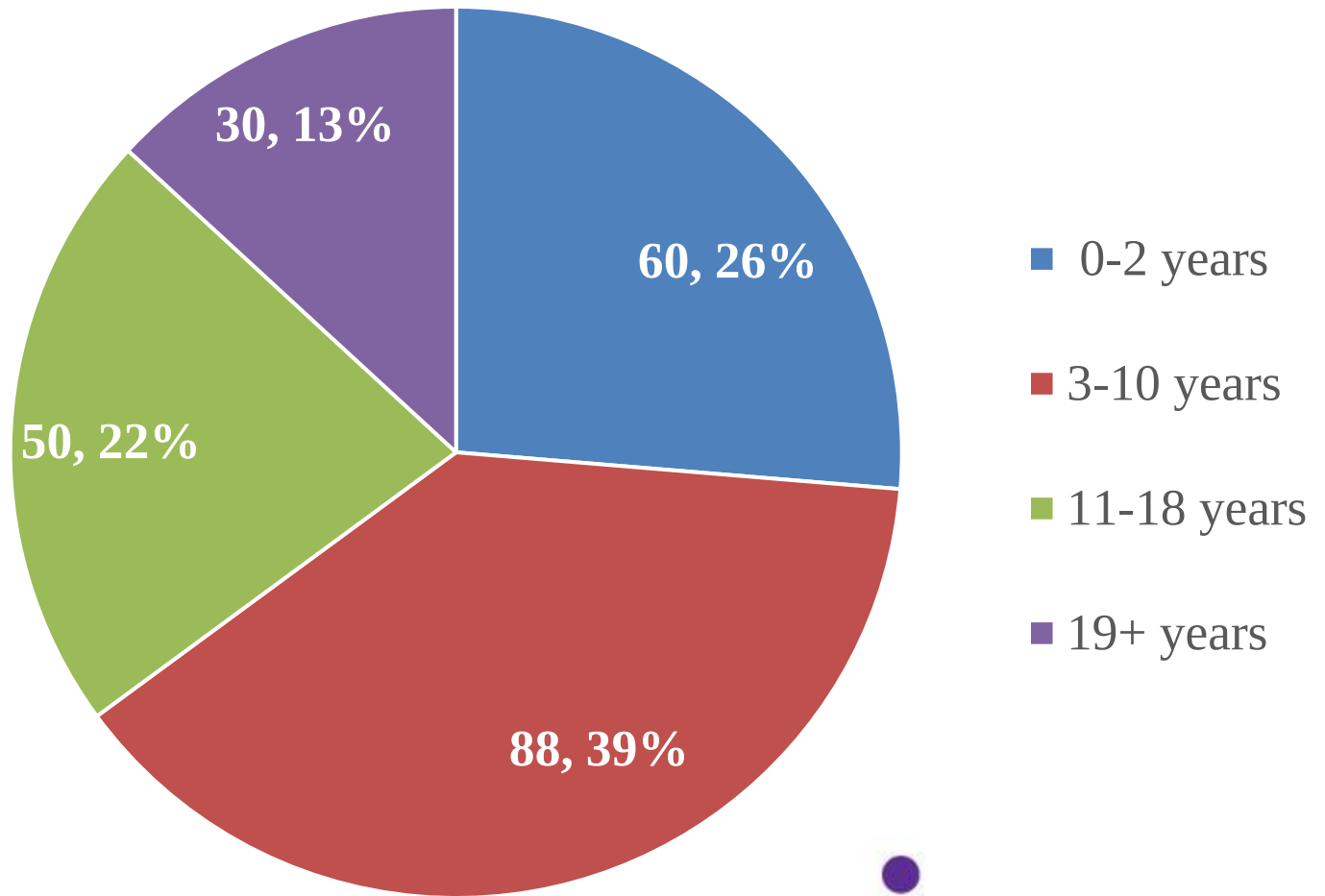
Distribution of Procedures for Pediatric Patients — 2024



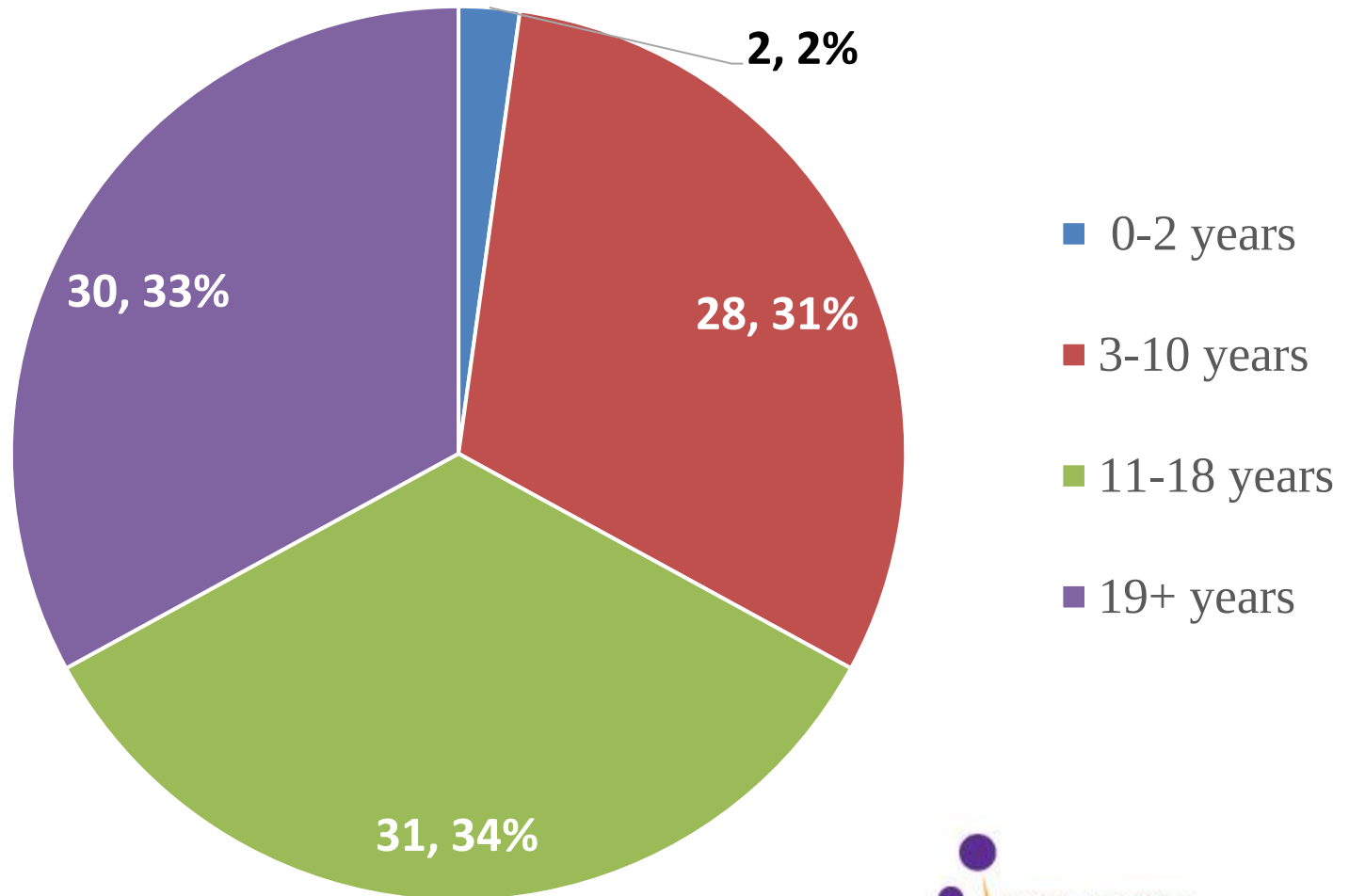
2024 Total Procedures in Pediatric Population by Age of Patient



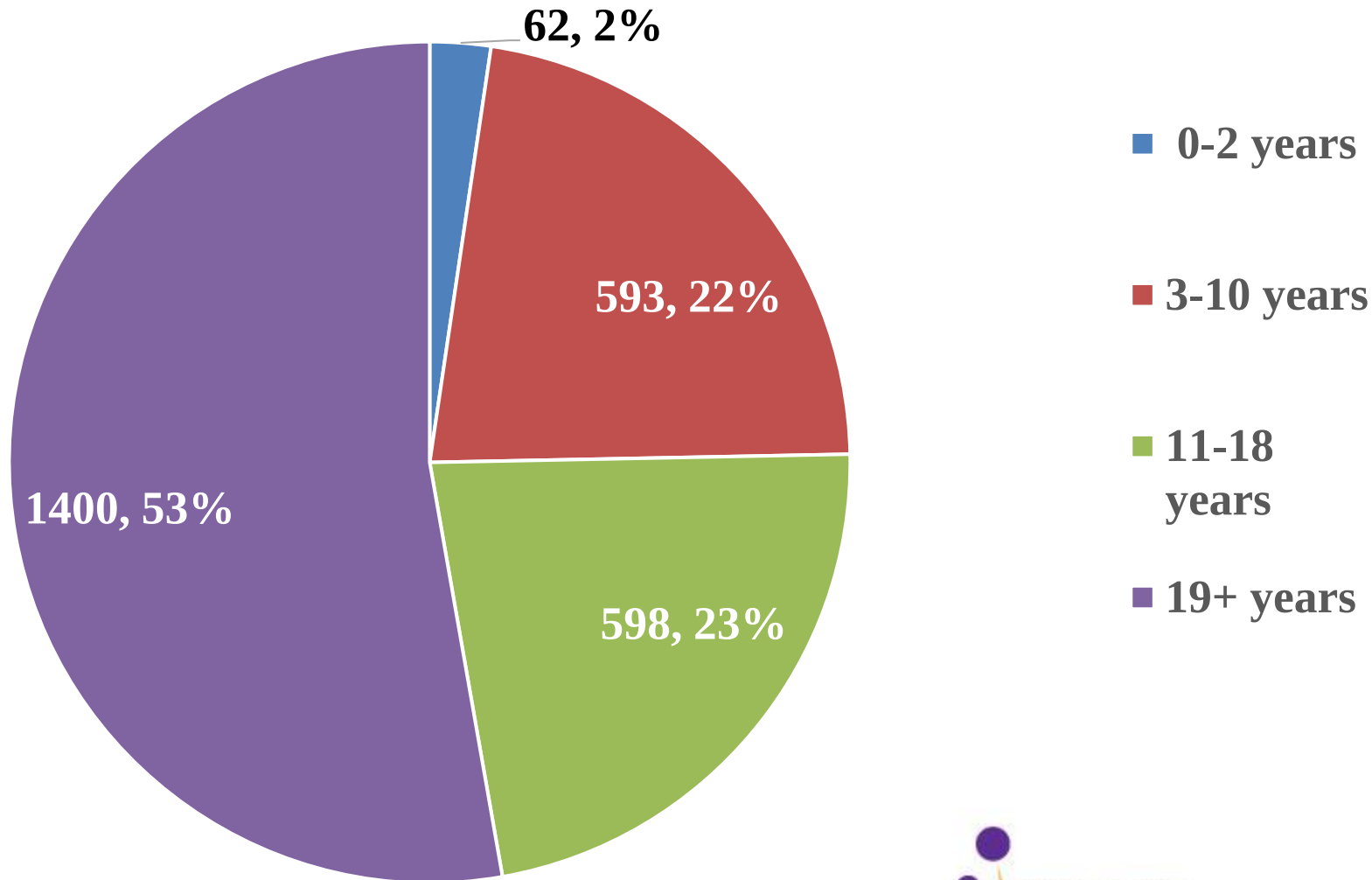
2024 Hemispherotomies by Age



2024 Corpus Callosotomies by Age



2024 VNS Implantations by Age



Questions and Discussion

