

SEYCHELLES HOSPITAL SERVICES
2023 ANNUAL STATISTICAL REPORT



JANUARY-DECEMBER, 2023

Statistics Unit

Ministry of Health

Seychelles



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ABBREVIATIONS

A&E	-	Accident & Emergency
ADPKD	-	Autosomal Dominant Poly Cystic Kidney Disease
APCKD	-	Autosomal Poly Cystic Kidney Disease
CKD	-	Chronic Kidney Disease
CGN	-	Chronic Glomerular Nephritis
FSGS	-	Focal Segmental Glomerular Sclerosis
ICU	-	Intensive Care Unit
NICU	-	Neonatal Intensive Care Unit
NR	-	Not Reported
OT	-	Operating Theatre

Table and acknowledgement of focal persons reporting to Statistics Unit

Units	Focal Person	
Nephrology	Ms. Flora Mirenda Ahtion (Nurse Manager)	
Accident & Emergency	Mrs. Linda Dine	(Nurse Manager)
Ambulance Call Centre	Mrs. Cynthia Renaud	(Centre Manager)
Clinical Laboratory	Mrs. Joanne Michel	(Chief Technologist)
Oncology	Mrs. Lucie Quilindo	(Nurse Manager)
Inpatients	Ms. Rosalie Isnard	(Statistician)
Maternity (Seychelles Hospital, Mahé)	Ms. Marie-Josée Dangkow (Nurse Manager Maternity)	
Maternity (Praslin & La-Digue)	Ms. Myra Ernesta	(Nurse Manager)
Blood Transfusion Centre	Mrs. Elizabeth Banda	(Senior Programme Officer)
Operating Theatre	Mrs. Noella Mellie	(Nurse Manager)
Radiology	Mr. James Houareau	(Senior Radiographer)
CDCU	Ms Sarah Adrienne	(Health Information Assistant)

PREFACE

Hospital services is a term that refers to medical and surgical services and the supporting diagnostics, equipment and personnel that make up the medical and surgical mission of a hospital system. The hospital services offered in Seychelles hospital is according to the needs of the citizens and this include inpatient care, emergency services, general and specialized surgical services, radiology and laboratory services.

This Annual Report highlights the summary of the reports of activities for the year 2023 through statistics generated from the various units of the hospital services for the months of January-December, 2023. Statistics presented in the report are in descriptive form with simple inferences drawn where necessary. The report also covered the observed trend for key indicators at the various units for the year under review.

The scope of hospital services covered in this annual report includes medical activities in the Nephrology unit, clinical laboratory, blood transfusion records and operating theatre statistics. Also included are parameters of activities in Oncology unit, in-patient statistics, maternity statistics and consultations in Accident & Emergency unit, radiology unit, Communicable Disease Control Unit (CDCU), as well as Ambulance services.

SUMMARY OF HOSPITAL STATISTICS 2023

1 ACCIDENT & EMERGENCY		2023	2022
Total Doctor Consultations		40,317	41,153
Total Ambulance Calls Received		26,616	23,897
2 CLINICAL LABORATORY			
Total Diagnostic Tests Conducted		881,829	811,145
Total Post Mortem Examinations conducted		289 (202 M, 87 F)	172 (119 M, 53 F)
3 ONCOLOGY			
New Cases Starting Chemotherapy		70	189
Old Cases on IV Chemotherapy		687	670
Number of Cases that Completed Chemotherapy		49	48
Number of Cases that Aborted Chemotherapy		9	14
Number of Cases on Long cycle Chemotherapy		15	34
Total Oncology Outpatient Attendance		6,985	5,709
4 SEYCHELLES HOSPITAL IN-PATIENT SERVICES			
Total Admissions in Wards, Seychelles Hospital		12,364 (5,499 M; 6,865 F)	9,869 (4,298 M; 5,571 F)
Bed Occupancy Rate, Seychelles Hospital		65%	63%
Average length of stay in Seychelles Hospital		5days	7days
Total Births(Including Praslin, La Dique)		1,551 (804 M, 747 F)	1,531 (777 M, 728 F)
- Spontaneous Vaginal Delivery		999	1,067
- Caesarean Section		496	386
- Still Births		9	9
- Breech Delivery		4	9
- Instrumental Delivery		34	13
Total Deaths in all Wards (Seychelles Hospital)		416 (245 M, 171 F)	360 (206 M, 154 F)
5 BLOOD TRANSFUSION CENTRE			
Number of Donors Screened		2,352	2,442
Successful (Eligible) Donors		2,299	2,355
Total Units of Blood and Blood Products Transfused		2,166	2,738
6 RADIOLOGY			
Magnetic Resonance Imaging (MRI Scan)		1,905	1,455
Ultrasound (US Scan)		10,235	8,655
Computerized Topography (CT Scan)		10,433	7,726
Computerized Radiography (CR Scan)		28,630	23,488
Mammogram (MG Scan)		1,037	1,138
Radiation Fluoroscopy (RF Scan)		62	168
Total Radiological Examinations		52,302	42,630
7 OPERATING THEATRE			
Major surgical procedures conducted		1,658	2,311
Intermediate surgical procedures		932	1,059
Minor surgical procedures		3,196	1,841

Total number of surgical procedures	5,786 (2,826 M, 2,960 F)	5,211 (2,282 M, 2,929 F)
8 NEPHROLOGY		
New Attendance at Outpatient Renal Clinic	114 (66 M, 48 F)	
Follow up Attendance at Outpatient Renal Clinic	1,160 (694 M, 466 F)	
New Patients Starting Chronic Dialysis	53 (30 M, 23 F)	
Total Dialysis session for 2023	28,299	
9 COMMUNICABLE DISEASE CONTROL UNIT (CDCU)		
New attendance	2,058 (49% M; 51% F)	1,987
Repeat attendance	5,276 (64% M; 36% F)	5,946 (57% M; 43% F)

SECTION 1: ACCIDENT AND EMERGENCY

Table 1 Consultations at A&E by day of week and time-period, 2023 compared to 2022.

Days	2023			Total 2023	% by days	Total 2022	% by days	Change in 2023 vs 2022
	Time Period							
	00-08 Hrs	08-16 Hrs	16-24 Hrs					
Mon-Fri	4,560	13,815	10,496	28,871	71.6%	30,562	74.3%	-5.5%
Sat	986	2,275	2,154	5,415	13.4%	5,165	12.6%	+4.8%
Sun	1,027	2,728	2,276	6,031	15.0%	5,426	13.2%	+11.2%
Total	6,573	18,818	14,926	40,317	100.0%	41,153	100.0%	-2.0%
% by time	16.3%	46.7%	37.0%					
Average Consultations at A&E per month				3,360		3,429		

Table 2 Consultations at A&E by age group and time periods, 2023

Age groups	2023			Total in 2023	% by age group	Total in 2022	% by age group
	Time Periods						
	00-08 Hrs	08-16 Hrs	16-24 Hrs				
Below 1y	200	298	491	989	2.5%	1075	3%
1-4y	531	810	1,287	2,628	6.5%	2848	7%
5-9y	406	757	1,021	2,184	5.4%	2197	5%
10-19y	617	1,548	1,828	3,993	9.9%	3952	10%
20y+	4,748	15,263	10,220	30,231	75.0%	30,996	75%
Unspecified	71	142	79	292	0.7%	85	0%
Total by time	6,573	18,818	14,926	40,317	100%	41,153	100%
% by time	16.3%	46.7%	37.0%				

Table 3 Ambulance dispatches by patient sex and age, 2023.

Age Groups	Male	Female	Total 2023	% by Age	Total 2022	% Change in 2023 vs 2022	Total 2021
0-9y	920	681	1,601	6.0%	1,428	+12.1%	1,046
10-19y	514	595	1,109	4.2%	982	+12.9%	749
20-29y	616	872	1,488	5.6%	1,252	+18.8%	1,112
30-39y	849	759	1,608	6.0%	1,555	+3.4%	1,146
40-49y	960	748	1,708	6.4%	1,455	+17.4%	1,207
50-59y	1,247	815	2,062	7.7%	1,862	+10.7%	1,340
60-69y	1,866	928	2,794	10.5%	2,692	+3.8%	1,682
70-79y	1,564	835	2,399	9.0%	2,425	-1.1%	1,317
80y+	701	1,347	2,048	7.7%	1,986	+3.1%	1,288
Unspecified	6,410	3,389	9,799	36.8%	8,260	+18.6%	8,881
Total	15,647	10,969	26,616		23,897		19,768

SECTION 2: CLINICAL LABORATORY

Table 4 Tests Conducted at Clinical Laboratory, 2023 compared to 2022

Unit	2023		Monthly average Test by Units	2022		2021	2020
	# Tests	%		# Tests	% Change in 2023 vs 2022		
Haematology	222,573	25.2%	18,548	206,034	+8.0%	109,635	129,421
Biochemistry	564,319	64.0%	47,027	514,532	+9.7%	313,173	451,592
Blood Transfusion	50,752	5.8%	4,229	52,316	-3.0%	39,716	53,754
Microbiology	34,408	3.9%	2,867	28,824	+19.4%	23,055	34,873
Surgical Pathology	9,777	1.1%	815	9,439	+3.6%	5,607	8,233
Total tests 2023	881,829		73,486	811,145	+8.7%	491,186	677,873

Figure 1 Total Monthly Diagnostic Tests Conducted at Clinical Lab from January-December, 2023

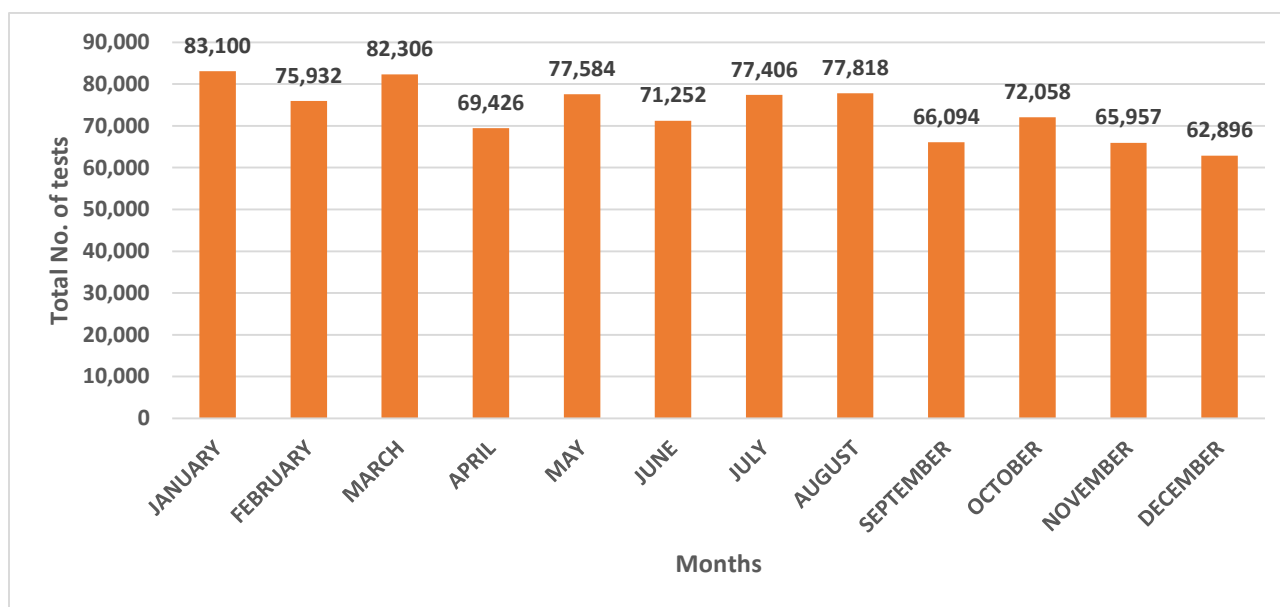


Table 5 Post-mortem examinations conducted by category and sex in 2023.

	Adults (18yr+)	Children (1 month – 17yr)	Still Born (>37 weeks)	New born (under 28 days)	Foetus (not born alive)	Total
Total Post-mortems	225 (167M, 58F)	10 (8M, 2F)	5 (3M, 2F)	8(1M, 7F)	41 (23M, 18F)	289
Of which police request	121 (93M, 28F)	6(5M, 1F)	0	0	-	127 (44%)
Of which medical request	104 (74M, 30F)	4(3M, 1F)	5 (3M, 2F)	8(1M, 7F)	41 (23 M, 18 F)	162 (56%)

- **Foetus refer to abortions (i.e. occurred prior to the period of viability – see next).**
- **Still births are fetuses that reached gestation age at least 26 completed weeks of gestation or weighing at least 800g at birth (also sometimes referred to as the period of foetal viability).**

SECTION 3: ONCOLOGY

Table 6 Chemotherapy services, 2023 compared to 2022.

Chemotherapy Administration	2023	2022	% change from 2022 to 2023	2021
# New Cases Starting Chemotherapy	70	189	-63%	138
# Old Cases on IV Chemotherapy	687	670	+2.5%	497
Total chemotherapy sessions (all patients)	2,593	2,232	+16.2%	1531
- Of which during daytime	2,553 (98.5%)	1,825	+29.9%	1414
- Of which at night	40 (1.5%)	407	-90.0%	117
# Aborted Chemotherapy	9	14	-35.7%	10
# Completed Chemotherapy	49	48	+2.1%	47
# On Long Cycle Chemotherapy	15	34	-54.3%	36
# Oncology Outpatient Attendances	6,985	5,709	+22.3%	5,031

Table 7 Targeted therapies by type, 2023 compared to 2022.

Type of Chemotherapy	#2023	#2022	% change from 2022 to 2023	#2021
Oral Chemotherapy	277	241	+14.9%	225
Targeted therapy sessions	921	581	+58.5%	579
Zoledronic Acid administered	252	272	-7.3%	214
Granulocyte stimulating factor administered	1,593	842	+89.2%	612

Table 8 Other Medical Procedure/Activities, 2023 compared to 2022.

Procedure/Activity	#2023	#2022	% change	#2021
Bone Marrow aspiration done	30	34	-11.8%	21
Port-A-CATH inserted	27	40	-32.5%	30
Blood transfusion given	132	117	+12.8%	98
Home visits	81	33	+145.4%	56
Counselling done	239	263	-9.1%	204

SECTION 4: HOSPITAL ACUTE IN-PATIENT CARE

Table 9 Annual public health sector inpatient facility occupancy summary

Facility/Ward	Beds	Admissions			Deaths			Deaths-to-Admissions Ratio	Occupied bed-nights	Average Occupancy	Average Length of Stay/ days	Through-put/bed /month
		Male	Female	Total	Male	Female	Total					
Seychelles Hospital	226	4,951	6,456	11,407	245	171	416	4%	56,696	69%	4.97	5.05
<i>Male Medical Ward</i>	26	1,645	-	1,645	102	-	102	6%	9,251	97%	5.62	6.33
<i>Female Medical Ward</i>	26	-	1,328	1,328	-	93	93	7%	7,315	77%	5.51	5.11
<i>Paediatric Ward</i>	26	1,008	660	1,668	0	0	0	0%	6,112	64%	3.66	6.42
<i>Neonatal ICU</i>	10	67	46	113	12	12	24	21%	1,289	35%	11.41	1.13
<i>Maternity 1 & 2</i>	30*	-	1,927	1,927	-	0	0	0%	8,207	75%	4.26	6.42
<i>D'Offay Ward</i>	41	1,855	-	1,855	23	-	23	1%	9,384	63%	5.06	4.52
<i>Hermitte Ward</i>	43	-	2,271	2,271	-	15	15	1%	8,494	54%	3.74	5.28
<i>Intensive Care Unit (ICU)</i>	6†	261	158	419	107	51	158	38%	2,715	124%	6.48	6.98
<i>Psychiatry Ward</i>	18	115	66	181	1	0	1	1%	3,929	60%	21.71	1.01
North East Point Hospital	22	54	47	101	1	4	5	5%	6,578	82%	65.13	0.38
North East Point Hospice	6	26	19	45	13	9	22	49%	1,835	84%	40.78	0.63
Baie St Anne Hospital	21	370	259	629	19	5	24	4%	2,075	27%	3.30	2.50
Logan/St Mary's Hospital	9‡	98	84	182	0	0	0	0%	406	12%	2.23	1.69
Grand Total	284	5,499	6,865	12,364	278	189	467	4%	67,590	65%	5.47	3.63

Source: Statistics Unit, MOH.

Table 10 Monthly Bed Occupancy Rate by Wards January-December, 2023.

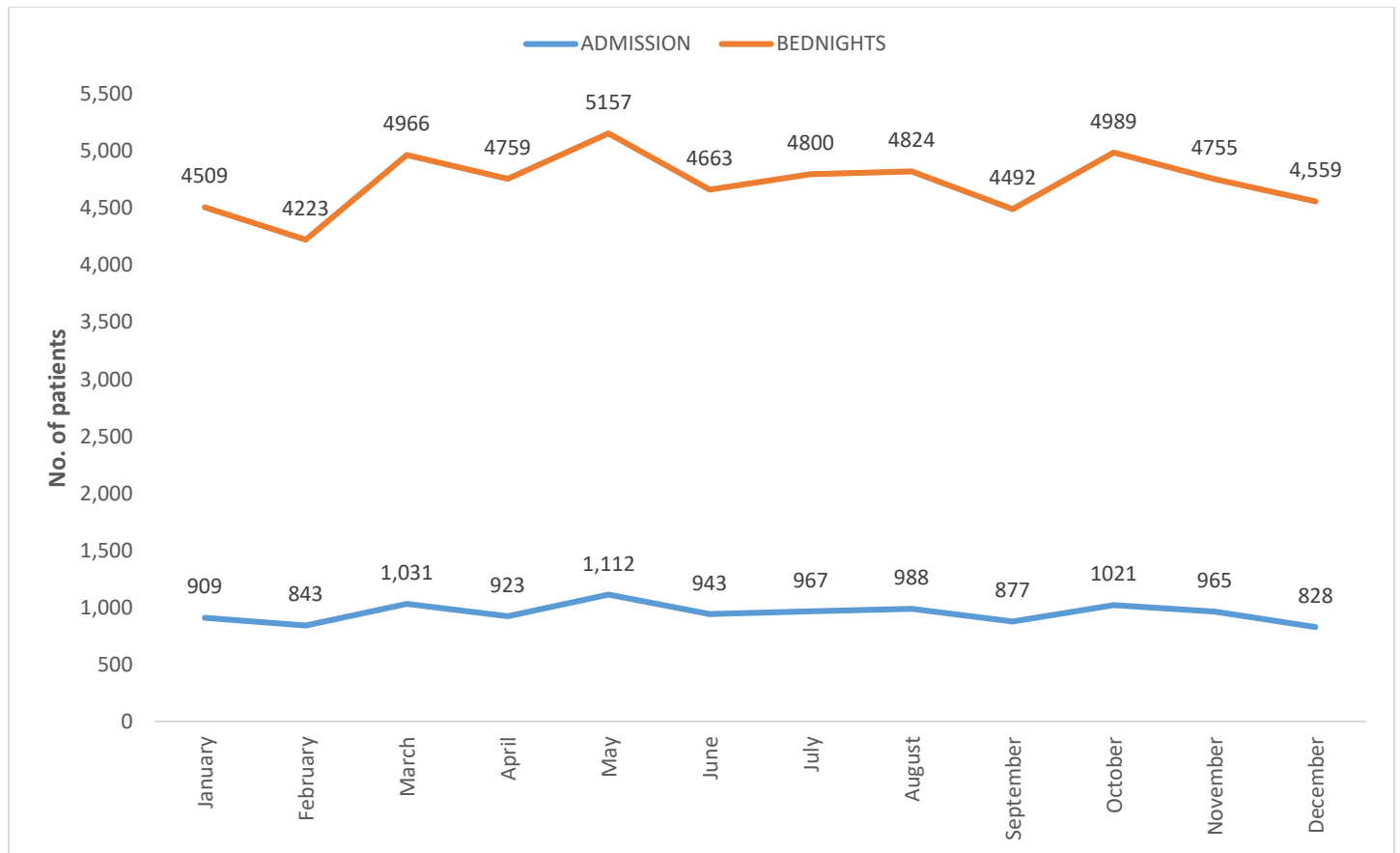
Ward	Beds	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Seychelles Hospital													
Male Medical Ward	26	83%	98%	98%	92%	96%	96%	108%	108%	94%	100%	108%	89%
Female Medical Ward	26	69%	65%	65%	86%	87%	73%	85%	84%	74%	80%	82%	75%
Paediatric Ward	26	61%	67%	77%	80%	79%	68%	53%	42%	59%	70%	65%	52%
Neonatal ICU	10	44%	23%	37%	67%	31%	65%	22%	21%	35%	25%	14%	40%
Maternity 1 & 2	30*	69%	61%	85%	67%	90%	91%	68%	83%	91%	67%	63%	71%
D'Offay Ward	41	61%	65%	59%	56%	64%	56%	69%	68%	56%	72%	69%	59%
Hermitte Ward	43	48%	61%	67%	55%	55%	53%	52%	52%	53%	57%	51%	48%
Intensive Care Unit (ICU)	6†	115%	124%	100%	139%	128%	106%	119%	119%	106%	110%	156%	71%
Psychiatry Ward	18	71%	58%	54%	54%	61%	45%	58%	58%	45%	71%	69%	73%
North East Point Hospital	22	79%	77%	78%	77%	81%	82%	84%	86%	78%	88%	89%	81%
North East Point Hospice	6	84%	82%	99%	72%	79%	83%	88%	85%	91%	81%	78%	83%
Baie St Anne Hospital	21	22%	29%	27%	25%	32%	33%	27%	21%	22%	35%	30%	23%
Logan/St Mary Hospital	9‡	6%	13%	9%	7%	16%	14%	7%	12%	21%	10%	9%	6%

Source: Statistics Unit, MOH.

* Maternity Ward beds reduced from 30 to 27 in Dec 2023; ICU moved location - increased beds from 6 to 14; ‡ As from Nov 2023, St Mary's Hospital operational, Logan Hospital closed – bed counts increased from 9 to 20.

Note: Family Hospital not used for inpatient services in 2023, except temporarily as an isolation centre for patients suffering from Tuberculosis (in Q3 of 2023).

Figure 2 Total Admissions and Occupied Bed Nights by month, Seychelles Hospital, 2023.



SECTION 5: MATERNITY SERVICES

Table 11 Maternity Statistics from Mahé, Praslin & La-Digue, 2023 Compared to 2022.

Event/Procedure	2023	2022	% change 2022 to 2023	2021
No of Births	1,551 (804 M, 747 F)	1,531 (777 M, 728 F)	+5.2%	1,686 (849 M, 837 F)
No of Deliveries:	1,534	1,512	+6.6%	1,658
<i>Of which Spontaneous Vaginal Delivery</i>	999	1,067	-3.0%	1,169
<i>Of which Assisted/Instrumental Delivery</i>	34	24	+33.3%	18
<i>Of which Caesarean Section (Elective)</i>	188	159	+50%	221
<i>Of which Caesarean Section (Emergency)</i>	308	227	+22.2%	235
Vaginal Births After Caesarean (VBAC)	16	27	-41%	29
Birth Before Arrival	5	11	-33.3%	18
Twin Delivery	16	18	-6.7%	28
Triplet Delivery	1	0	-	0
Low Birth Weight < 2.5kg	151	130	+7.5%	160
Live Births >37weeks (Term)	1,436	1,401	+5.1%	1,554
Live Births <37weeks (Pre-term)	106	95	+6.4%	118
Still Births > 37weeks	3	0	-	3
Still Births < 37weeks	6	9	-33%	11

Note: Please see vital statistics report for additional information.

Still births are foetuses that reached gestation age at least 26 completed weeks of gestation or weighing at least 800g at birth (also sometimes referred to as births after the period of foetal viability).

SECTION 6: BLOOD TRANSFUSION

Table 12 Blood donations by sex, 2023 compared to 2022.

Blood Donors	2023		2022		2021
	# Donors	% of donors	# Donors	% Change from 2022 to 2023	
Male	1,617	70%	1,581	+2.3%	1344
Female	682	30%	774	- 11.9%	568
Total	2,299	100%	2,355	- 2.4%	1,912

Note: Failed Donations = 53 (2.3%) (2023).

Table 13 Classification of donors screened, Seychelles Hospital, 2023, compared to 2022 and 2021.

Donors screened (includes failed donations)	#2023	% Count	#2022	#2021
First Time Donors	770	26%	516	446
Replacement Donors	760	43%	1133	920
Voluntary Donors	822	31%	793	596
Total	2,352		2,422	1,962

Table 14 Successful donations by blood group, 2023 compared to 2022 and 2021

Blood Groups	Counts 2023	% by Blood Group 2023	Counts 2022	% Change from 2022-2023	#2021
O+	1016	44%	1032	-2.8%	860
O-	97	5%	128	-39.0%	94
A+	553	27%	593	+11.0%	463
A-	33	1%	39	-79.1%	46
B+	455	17%	438	+27.2%	351
B-	30	1%	24	+41.6%	12
AB+	108	4%	98	+48.0%	82
AB-	7	0%	5	+100%	4
Total	2,299	100%	2,357	- 0.9%	1,912

Table 15 Transfused blood and blood products by wards, 2023.

Department/Wards	Whole Blood	Packed Red Blood cells	Fresh Frozen Plasma	Platelets	Total Units Transfused 2023	% by Wards	Total unit transfused in 2022	Total unit Transfused in 2021
D'Offay ward	55	254	4	23	336	16%	356	274
Hermitte ward	127	259	1	2	389	18%	380	310
ICU	26	201	84	97	408	19%	629	716
Male Medical ward	0	2	0	0	2	0%	54	21
Maternity 1	50	273	11	31	365	17%	366	290
Maternity 2	45	35	0	0	80	4%	78	52
Paediatric ward	17	27	2	0	46	2%	32	26
NICU	3	7	0	5	15	1%	62	60
Haemodialysis unit	17	28	29	11	85	4%	128	88
Oncology unit	2	59	0	0	61	3%	73	77
Baie St. Anne Hospital	3	28	0	0	31	1%	15	39
Operating Theatre	7	5	3	4	19	1%	34	31
Accident & Emergency	8	31	1	2	42	2%	61	54
Female ward	36	204	7	40	287	13%	276	280
Total by Blood Products	415	1567	142	227	2,166		2,738	2,471
% by Blood Products	19%	72%	6.6%	10%				

Total Expired Blood Components

798 (34%)

SECTION 7: RADIOLOGY

Table 16 Imaging tests by age and modality, 2023 compared to 2022.

Type of Examination	2023 Age-Groups					(2023)		2022		2021
	0-6y	7-12y	13-17y	18-64y	65y+	Total 2023	% by Modality	Total 2022	% Change 2022-2023	Total 2021
Magnetic Resonance Imaging	40	31	47	1497	290	1,905	3.6%	1,455	+30.9%	943
Ultrasound	554	273	283	6990	2135	10,235	19.6%	8,655	+18.2%	6,199
Computerized Tomography	221	245	335	7222	2410	10,433	19.9%	7,726	+35.0%	5,500
Computerized Radiography	1790	1329	1221	19987	4303	28,630	54.7%	23,488	+21.9%	16,795
Mammogram	0	0	0	874	163	1,037	2.0%	1,138	-8.9%	611
Radiation Fluoroscopy	5	3	0	40	14	62	0.1%	158	-60.7%	122
Total	2,610	1,881	1,886	36,610	9,315	52,302		42,620	+22.7%	30,170

Table 17 Distribution of imaging tests by time of accessing service, 2023.

Modality	Time of Service			Total by modality
	Normal working hours	Night service	Weekend service	
Magnetic Resonance Imaging	1622	233	175	2,030
Ultrasound	8,226	1,248	761	10,235
Computerized Topography	6,873	2,141	1,291	10,305
Computerized Radiography	19,607	5,031	3,992	28,630
Mammogram	988	49	3	1,040
Radiation Fluoroscopy	59	3	0	62
Total by Time	37,375	8,705	6,222	52,302
% of total by time of service	71.5%	16.6%	11.9%	

Table 18 Imaging tests by organ-system, Seychelles Hospital, 2023.

Organ/system	Examination by Modality						Total by Organ
	MRI	US	CT	CR	MG	RF	
Neck	3	863	668	83	0	0	1,617
Abdomen	34	6,152	871	705	0	5	7,767
Head	413	116	4,793	1,074	0	0	6,396
Chest	15	656	1,313	9,191	1,037	0	12,212
Lower Extremities	311	1,132	157	7,927	0	0	9,527
Abdomen & Pelvis	0	110	806	0	0	23	939
Shoulder Girdles	93	0	28	1411	0	0	1,532
Spine	944	0	860	4,293	0	0	6,097
Lower & Upper Extremities	0	0	12	0	0	0	12
Chest, Abdomen & Pelvis	0	0	628	0	0	0	628
Pelvis	65	449	118	373	0	8	1,013
Neck & Chest	1	0	0	0	0	13	14
Upper Extremities	22	214	20	3,368	0	0	3,624
Throat	0	0	0	179	0	0	179
Chest & Abdomen	0	0	61	15	0	0	76
Whole body	0	0	76	0	0	0	76
Miscellaneous region	1	543	22	11	0	13	590
Head & Neck	3	0	0	0	0	0	3
Total	1,905	10,235	10,433	28,630	1,037	62	52,302
Average tests per month	159	853	869	2,386	86	5	4,358

MRI – Magnetic Resonance Imaging;
 CR – Computerised Radiography;
 RF – Radiation Fluoroscopy

CT – Computerised Tomography
 MG – Mammogram

SECTION 8: OPERATING THEATRE

Figure 3 Total Surgeries performed in Seychelles Hospital by month, 2023.

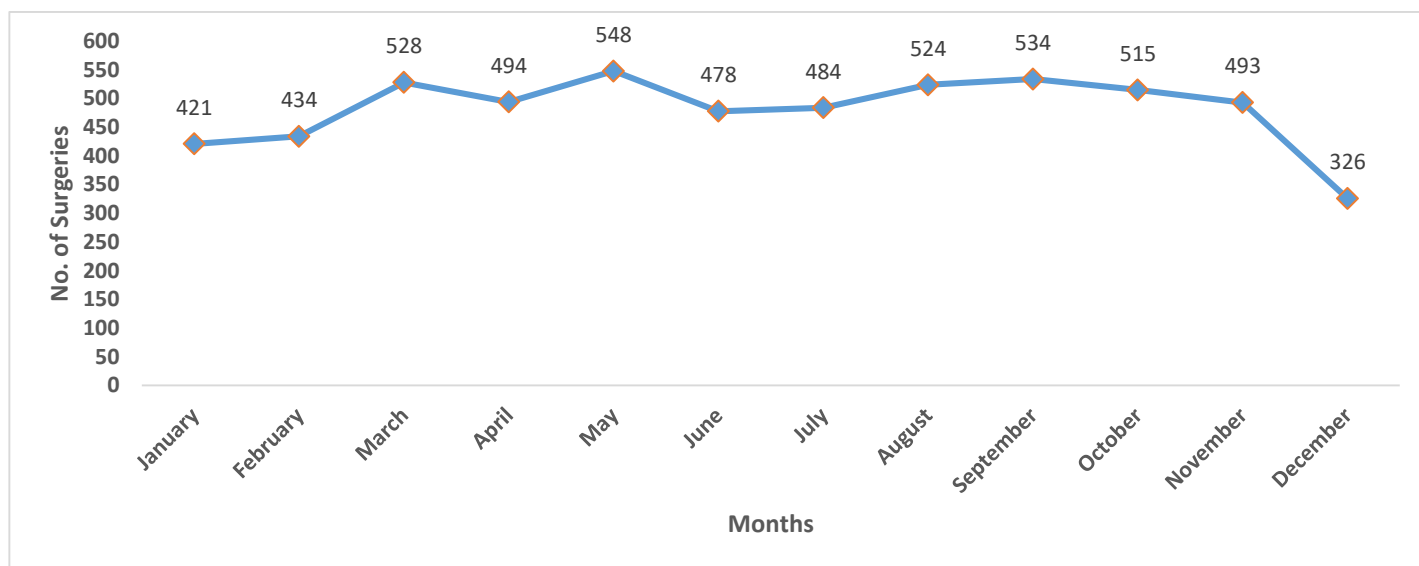


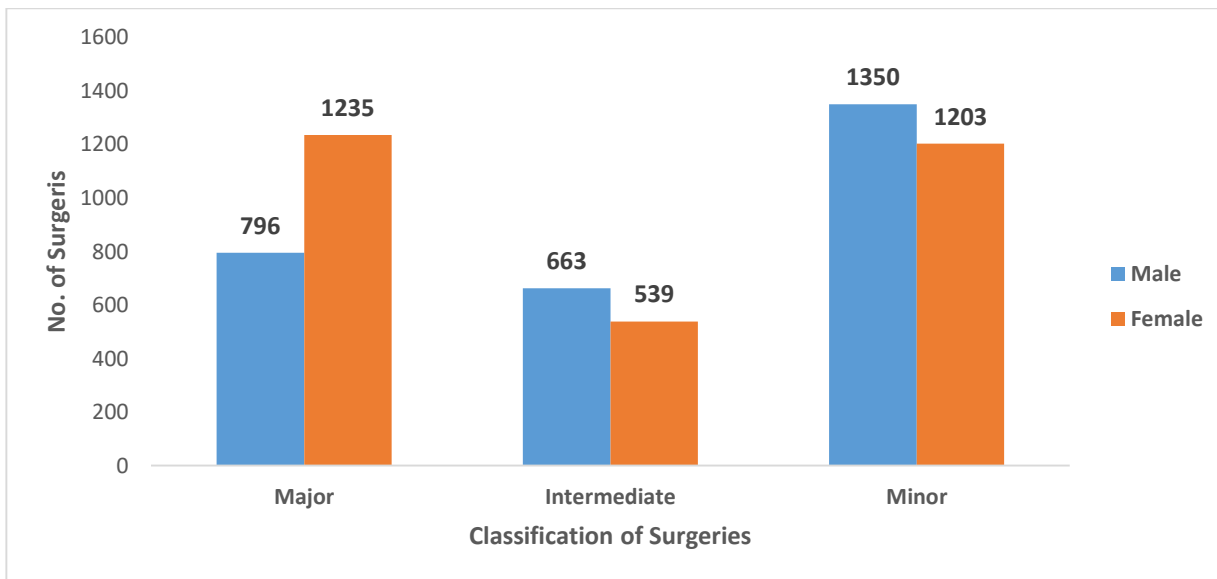
Table 19 Operating Theatre surgeries in 2023 by speciality, compared to 2022.

Surgical Specialty	2023					2022	% change from 2022-2023.	2021 Total Cases
	Major Surgery	Intermediate Surgery	Minor Surgery	Total Cases	% total of Specialty	Total Cases		
General Surgery	290	172	390	852	14.7%	798	+6.8%	519
Eye, Nose & Throat (ENT)	31	124	49	204	3.5%	193	+5.7%	116
Urology	113	202	641	956	16.5%	622	+53.7%	308
Gynaecology	102	81	506	689	11.9%	744	+11.4%	539
Obstetric	427	43	2	472	8.2%	386	+22.3%	463
Orthopaedic Surgery	189	140	248	577	10.0%	507	+13.8%	317
Ophthalmology Surgery	327	29	0	356	6.2%	323	+10.2%	151
Vascular Surgery	99	28	71	198	3.4%	172	+15.1%	93
Dermatology	0	1	5	6	0.1%	13	-53.8%	8
Cranio-Maxillo-Facial	74	50	131	255	4.4%	160	+59.3%	63
Endoscopies:	-	-	-	1,083		1,066	+1.6%	610
Of which Colonoscopy	0	0	608	608	10.5%		-	
Of which Gastroscopy	0	0	475	475	8.2%		-	
Bone Marrow Aspiration	0	8	7	15	0.3%	47	-68.1%	37
Port-A-Cath/Pace Maker	0	16	10	26	0.4%	52	-50.0%	19
Paediatric Dental	0	3	12	15	0.3%	25	-40.0%	2
Paediatric Surgery	6	32	20	58	1.0%	58	0%	0
Central line/Epidural	0	3	21	24	0.4%	45	-46.7%	18
Total Surgery	1,658	932	3,196	5,786		5,211	+11.0%	3,263
% of total	28.7%	16.1%	55.2%	100%				

Table 20 Age-distribution of patients undergoing surgery, 2023.

Age-Groups	Male	Female	Total 2023	% of total by Age	Total 2022	Total 2021
0-9	272	106	378	6.3%	319	128
10-19	164	180	344	5.3%	292	212
20-29	163	508	671	10.4%	601	524
30-39	240	590	830	16.3%	787	609
40-49	314	397	711	14.0%	753	447
50-59	514	408	922	16.3%	791	487
60-69	662	418	1080	16.8%	939	521
70-79	379	231	610	9.7%	509	307
80+	118	122	240	4.9%	220	102
Total	2,826	2,960	5,786	100.0%	5,211	3,337
Average per month	235	247	482			

Figure 4 Surgeries by category and sex, 2023.



SECTION 9: NEPHROLOGY

Table 21 New Attendances at renal outpatient clinic by age, sex and district, 2023.

Districts	Male				Female				Total both Sexes
	20-49	50-69	70+	Total	20-49	50-69	70+	Total	
Anse Aux Pins	1	4	5	10	1	1	2	4	14
Anse Royale		1		1		1	1	2	3
Anse Boileau	1	1	1	3		1	2	3	6
Anse Etoile		1		1					1
Mont Fluéri	1	3	3	7		2	1	3	10
Beau Vallon		4	2	6		4		4	10
Belombre		3	1	4	1	1	1	3	7
Baie Lazare		1		1	1			1	2
Grand Anse Mahe		1	1	2			1	1	3
Cascade		1	2	3					3
Aux Cap		2	1	3		1		1	4
Glacis						1		1	1
Les Mamelles	1	2	1	4	1	4		5	9
Roche Caiman		1		1		2		2	3
Plaisance		1		1		1		1	2
English River	1	8	5	14	1	3	4	8	22
Perseverance	1			1	1	3		4	5
Port Glaud			2	2		2		2	4
Takamaka							1	1	1
St Louis	1		1	2		1	1	2	4
Total by Gender	7	34	25	66	6	28	14	48	114
% by Gender	11%	52%	38%	100%	13%	58%	29%	100%	

Table 22 Follow-up attendance at renal clinic, by sex, age and district, January-December, 2023.

Districts	Gender and Age groups										Grand Total
	Male					Female					
	0-19	20-49	50-69	70+	Total	0-19	20-49	50-69	70+	Total	
Anse Aux Pins	0	4	39	38	81	0	1	27	33	61	142
Anse Boileau	0	1	17	24	42	0	0	10	8	18	60
Anse Etoile	0	2	2	3	7	0	4	2	2	8	15
Anse Royale	0	2	15	18	35	0	5	8	9	22	57
Au Cap	0	0	0	0	0	0	0	0	0	0	0
Baie Lazare	2	3	6	10	21	0	4	3	11	18	39
Beau Vallon	0	5	25	27	57	0	4	16	18	38	95
Bel Air	0	0	7	6	13	0	0	8	6	14	27
Bel Ombre	0	2	14	3	19	0	1	2	2	5	24
Cascade	0	2	1	1	4	0	1	1	3	5	9
English River	0	13	83	71	167	0	13	50	40	103	270
Glacis	0	3	21	10	34	1	1	16	6	24	58
Grand Anse Mahé	0	1	1	3	5	0	4	1	7	12	17
Les Mamelles	0	7	41	29	77	0	4	22	10	36	113
Mont Buxton	0	0	0	1	1	0	0	0	0	0	1
Mont Fleuri	0	3	10	18	31	0	1	4	13	18	49
Perseverance	0	8	8	3	19	0	0	8	3	11	30
Plaisance	0	1	9	1	11	0	1	5	6	12	23
Point Larue	0	0	3	0	3	0	0	0	0	0	3
Port Glaud	0	0	2	8	10	0	2	3	9	14	24
Praslin	0	0	0	0	0	0	0	0	0	0	0
Roche Caiman	0	1	8	4	13	0	4	5	2	11	24
St. Louis	0	2	11	8	21	0	2	7	14	23	44
Takamaka	0	3	12	8	23	0	2	6	5	13	36
Total by Gender	2	63	335	294	694	1	54	204	207	466	1,160
% by Gender	0%	9%	48%	42%	100%	0%	12%	44%	44%	100%	

Table 23 Acute renal failure referrals to dialysis unit, 2023.

Number of Cases	Sex	Age (y)
65	(54M, 11F)	19 to 74 years (average 59 years)

Table 24 Chronic renal failure patients starting new dialysis by Gender, Age and Districts 2023.

Districts	Gender and Age groups								Gross Total
	Male				Female				
	20-49	50-69	70+	Total	20-49	50-69	70+	Total	
Anse Etoile		2		2		1		1	3
Anse Royale	1	3		4					4
Takamaka	1			1		1		1	2
Anse-Boileau	1	4	1	6	2	2	1	5	11
Bel Air	1			1		1		1	2
Beau Vallon		1		1					1
Belombre					1			1	1
Aux Cap							1	1	1
Mont Fleuri		1	1	2					2
Les Cannelles		1		1					1
Cascade							1	1	1
Port Glaud		1		1					1
English River						1		1	1
Grand Anse Mahe					1			1	1
Perseverance	2	1		3		2		2	5
Roche Caiman					1		2	3	3
Les Mamelles		2		2					2
Plaisance		1		1					1
La Digue		1		1					1
St. Louis		1	1	2			1	1	3
North East Pointe						1		1	1
Pointe Larue						1		1	1
Anse Aux Pins		2		2		1	1	2	4
Total by Gender/Age	6	21	3	30	5	11	7	23	53
% by Gender/Age	20%	70%	10%	100%	22%	48%	30%	100%	

Note: at time of preparation of this report, haemodialysis services flagged a potential change to above data. An updated version of this report will be published if this data differs from above.

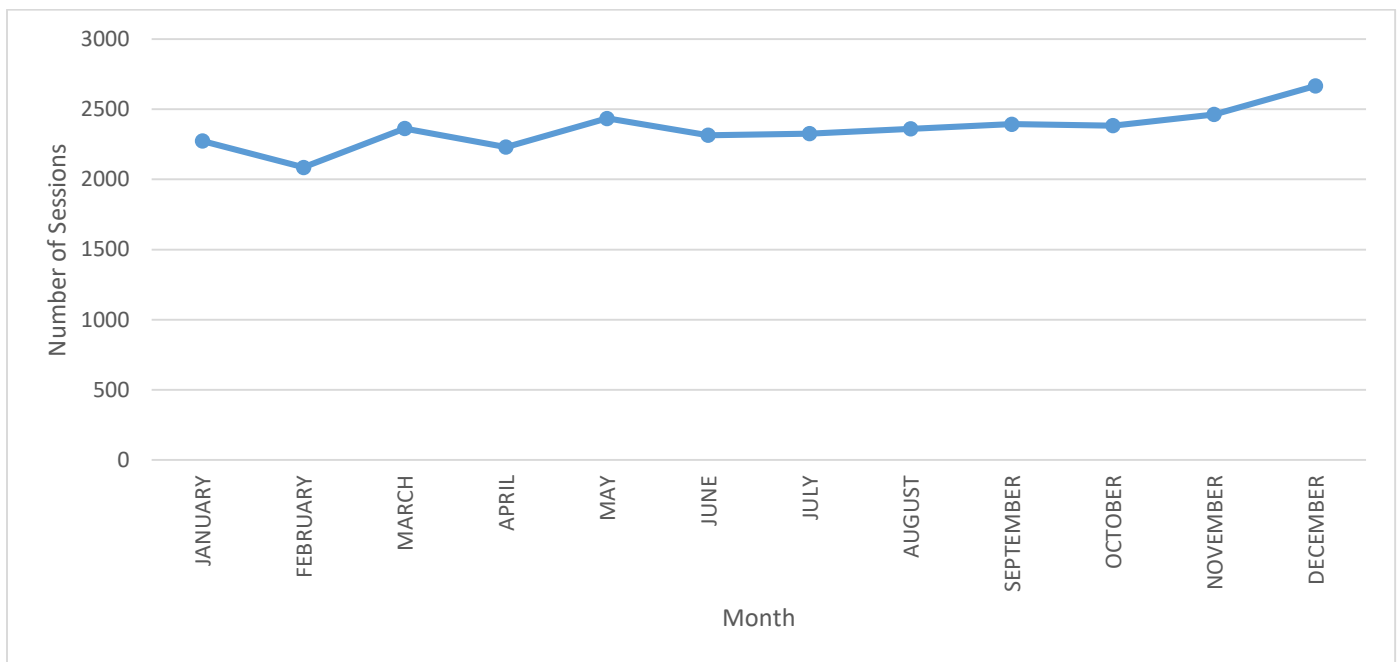
Table 25 Primary causes of kidney disease for new patients starting long-term dialysis, 2023.

Causes of Chronic Kidney Disease (CKD)	Male	Female	Total by Cause
APCKD	29	18	47
CGN/FSGS	4	4	8
Diabetes	11	13	24
Hypertension	23	16	39
Obstructive Nephropathy	9	5	14
Others	19	9	28

APCKD: Autosomal Dominant Polycystic Kidney Disease; CGN: Chronic Glomerular Nephritis. FSGS: Focal Segmental Glomerular Sclerosis.

Note: Counts are NOT mutually exclusive, i.e. same patient may have multiple underlying causes (e.g. diabetes and hypertension).

Figure 5 Dialysis sessions provided by month, January-December, 2023.



SECTION 10: COMMUNICABLE DISEASES CONTROL UNIT (CDCU)

Table 26 New and Repeat Attendances by Islands at CDCU, 2023.

Islands	New Attendances		Total New Attendances (M+F)	Repeat Attendances		Total Repeat Attendances (M+F)	Total Attendances by Islands
	Male	Female		Male	Female		
Mahé	946	1,003	1,949	3,301	1,846	5,147	7,096
Praslin	31	27	58	26	45	71	129
La Digue	15	5	20	12	15	27	47
Other Islands	21	6	27	29	6	35	62
Total	1,013	1,041	2,054	3,368	1,912	5,280	7,334

Table 27 New and repeat attendance at CDCU by age group and sex, 2023.

Age Group	New Attendances		Total New Attendances	Repeat Attendances		Total Repeat Attendances	Total Attendances (New +Repeat)
	Male	Female		Male	Female		
<15	44	48	92	27	70	97	189
15-24	183	338	521	235	406	641	1,162
25-34	306	255	561	1,078	473	1,551	2,112
35-44	246	197	443	1,088	391	1,479	1,922
45-54	130	103	233	593	276	869	1,102
55-64	70	83	153	245	203	448	601
65-74	25	13	38	89	73	162	200
75+	8	9	17	13	16	29	46
Total	1,012	1,046	2,058	3,368	1,908	5,276	7,334

Concluding Remarks:

I would like to express my sincere appreciation to the management and staff of the various units, and particularly the focal persons for data sharing and colleagues in the statistics team of the Ministry of Health, that contributed to the success of this annual report for their timely submission. I look forward to a sustained and improved smooth working relationship in the subsequent editions.