

PEDIATRIC NEPHROLOGY SOCIETY OF THE PHILIPPINES

CENSUS REPORT 2024



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PNSP Pediatric Renal Census

Pediatric Renal Census
Admissions-Admission Referrals
NKTI-PCMC-PGH-UST-SPMC-VSMMC



Pediatric Nephrology Society of the Philippines

(NKTJ-PCMC-PGH-UST-SPMC-VSMMC)

January – December 2024

Pediatric Renal Census (Admissions & Admission Referrals)

Renal & Urologic Disorders	2024	Percentage
Acute Kidney Injury	519	20.9
Congenital & Inherited Diseases	383	15.4
Primary Nephrotic Syndrome	355	14.3
Chronic Kidney Disease	301	12.1
Hypertension & Renal Tubular Disease	201	8.1
Acute Post-infectious Glomerulonephritis	196	7.9
Complicated & Uncomplicated UTI	157	6.3
Secondary Glomerulonephritis (eg. SLE, HSP, etc.)	125	5.0
Bladder Dysfunction	78	3.1
IgA Nephropathy	63	2.5
Urolithiasis	57	2.3
Tumors & Tumor Lysis Syndrome	44	1.8
TOTAL	2479	



Pediatric Nephrology Society of the Philippines
(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

2023 vs. 2024

Pediatric Renal Census (Admissions & Admission Referrals)

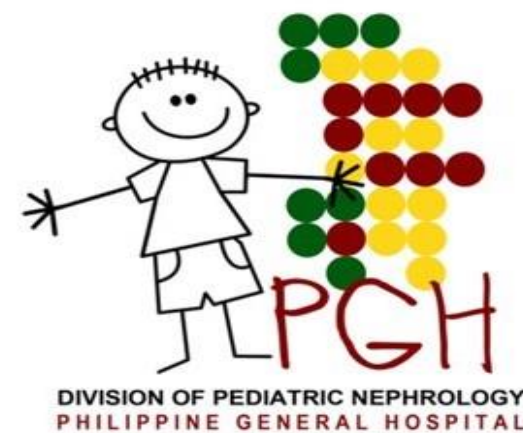
SECONDARY GLOMERULONEPHRITIS	2023	Percentage	2024	Percentage
HSP	11	<i>16.9</i>	15	<i>12.0</i>
SLE	54	<i>83.1</i>	110	<i>88.0</i>
TOTAL	65		125	





PNSP Pediatric Renal Census

ACUTE KIDNEY INJURY 2024



AKI KDIGO

	2023	2024
1	45 (9.0%)	67 (13%)
2	48 (9.6%)	53 (10.2%)
3	408 (81.4%)	399 (76.8%)
Mortality	137 (27.3%)	123 (23.7%)
RRT	48 (9.6%)	58 (11.2%)
RRT on discharge	4 (0.8%)	2 (0.4%)
TOTAL	501	519



Pre-Renal AKI

		1	2	3	RRT	RRT on Discharge	Death	TOTAL
Decreased intravascular volume (Hypovolemic)	Dehydration	23	21	55	2		4	99
	Hemorrhage		3	4			2	7
	Diuretic		1					1
	Shock	11	4	45	9		22	60
	NS		1	7	3		2	8
	Others							
Decreased cardiac function (Cardiogenic)	Heart failure	3	1	7	4		7	11
	Arrhythmias							
	Others	3	0	1	1		0	4
Peripheral vasodilatation (Distributive)	Sepsis	6	4	24	2		18	34
	Anaphylaxis							
	Anti-HTN medication							
	Others			1				1
Renal vasoconstriction	NSAIDs							
	ACE inhibitor/ARB							
	Others							
TOTAL	46	35	144	21		55	225	



Intrinsic AKI

		1	2	3	RRT	RRT on Discharge	Death	TOTAL
Tubular injury	Prolonged ischemia	1		21	1		6	22
	Nephrotoxins	4	2	13	3			19
	Hypotension			8				8
	Sepsis	5	7	162	20		49	174
	Others	5		7	7		6	12
Renal vascular diseases	HUS			1				1
	Vasculitides			2	1	1		2
	Thrombosis							
	Others							
Interstitial diseases	Interstitial nephritis	1		3	1			4
	Infections			2				2
	Malignant infiltration							
	Others							
Glomerulonephritides	PIGN	1	8	9				18
	RPGN			14	2	1	1	14
	HSP							
	Lupus			2	1		2	2
	Others							
TOTAL		17	17	244	36	2	64	278

Post-Renal AKI

		KDIGO			RRT	RRT on Discharge	Death	TOTAL
		1	2	3				
Structural	Nephrolithiasis							
	Tumor	1		6	1		3	7
	Strictures/stenosis	3	1	1				5
	UPJO/UVJO			1			1	1
	Blocked catheter							
	Blood clot							
Functional	Neurogenic bladder			3				3
TOTAL		4	1	11	1		4	16



Pediatric Nephrology Society of the Philippines

(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January 2014 – December 2024

Pediatric Renal Dialysis Access Census (Admissions & Admission Referrals)

Dialysis Access	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	TOTAL
Stiff Catheterization	0	0	0	0	0	0	0	0	0	0	0	0
Tenckhoff Catheterization	50	55	72	68	79	65	14	47	63	52	80	645
HD Catheterization	58	40	65	35	106	101	73	82	114	117	141	932
AV Fistula											13	13



Pediatric Nephrology Society of the Philippines

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January 2014 – December 2024

Pediatric Renal Replacement Therapy Census (Admissions & Admission Referrals)

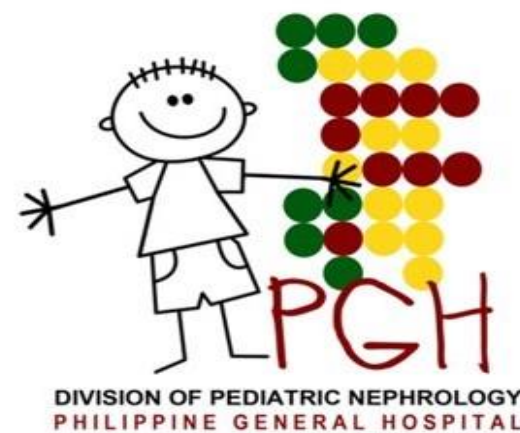
MODE OF DIALYSIS	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	TOTAL
Peritoneal Dialysis	69	59	67	96	112	65	44	47	63	52	119	793
<i>Acute PD</i>	20	26	30	46	25	16	17	11	21	17	24	253
<i>CIPD</i>	0	0	0	0	2	14	0	0	0	0	0	16
<i>CAPD</i>	44	33	37	50	83	34	27	36	42	35	56	477
<i>CCPD</i>	5	0	0	0	2	1	0	0	0	0	39	47
Hemodialysis	58	40	65	35	118	101	73	82	117	130	149	968
Renal Transplant	5	4	8	6	7	3	3	3	9	11	9	68





PNSP Pediatric Renal Census

RENAL BIOPSY 2024



Pediatric Nephrology Society of the Philippines
(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January 2005 – December 2024

Pediatric Renal Biopsy Census (Admissions & Admission Referrals)

BIOPSY YEAR	Renal Biopsy/Year
2005	137
2006	137
2007	179
2008	156
2009	130
2010	175
2011	161
2012	114
2013	144
2014	109

BIOPSY YEAR	Renal Biopsy/Year
2015	101
2016	103
2017	84
2018	104
2019	108
2020	26
2021	71
2022	103
2023	95
2024	97

Total: 2334



Pediatric Nephrology Society of the Philippines

(NKTI-PCMC-PGH-UST-SPMC-VSMC)

January 2005 – December 2024

Pediatric Renal Biopsy Census (Admissions & Admission Referrals)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	TOTAL
SLE Nephritis Total/year	5	13	28	19	15	15	24	16	14	8	8	6	10	6	19	5	15	12	10	16	264
Class I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Class II	0	0	0	0	0	2	1	2	3	0	1	1	1	0	1	0	4	0	0	2	18
Class III	1	4	9	2	5	5	7	4	4	3	3	1	6	1	8	2	4	4	5	3	81
Class IV	3	8	16	14	9	7	15	4	6	2	3	3	1	4	4	2	7	6	4	9	127
Class V	1	1	3	3	1	1	0	6	1	3	1	1	2	1	6	1	0	2	1	1	36
Class VI	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1



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January 2005 – December 2024

Pediatric Renal Biopsy Census (Admissions & Admission Referrals)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	TOTAL
IgAN	8	12	12	24	15	22	28	22	22	22	20	18	9	7	16	7	4	16	22	15	321
HSP/IgAV	6	6	10	7	5	5	4	4	9	13	8	9	8	3	1	0	1	2	5	4	110
MCD/MGA	32	34	34	19	15	19	14	13	31	22	26	13	18	40	26	4	11	20	30	4	425
MesPGN	16	25	21	12	11	13	6	7	14	4	3	12	8	8	7	3	4	7	3	1	185
FSGS	12	15	27	33	35	44	45	23	24	10	13	23	20	20	11	4	18	18	16	14	425
DPGN	6	11	15	13	11	3	3	4	0	1	0	0	1	0	0	0	1	1	0	0	70
Membranous GN	21	4	5	5	1	2	5	1	0	2	5	2	0	5	0	0	0	1	0	2	61
MPGN	15	6	8	4	4	2	8	2	5	8	2	1	0	6	5	0	1	0	1	5	83
Crescentic GN	3	3	10	3	4	3	0	3	1	1	1	3	0	2	1	0	1	1	0	2	42

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January 2005 – December 2024

Pediatric Renal Biopsy Census (Admissions & Admission Referrals)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	TOTAL
Acute Tubular Injury	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	5	7
Acute T Cell mediated rejection	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	4
Alport Syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2
ATN	0	2	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	1	0	0	6
C1Q Nephropathy	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
CNI Toxicity	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Diffuse Sclerosing GN	0	2	0	3	0	5	2	0	2	1	0	0	1	0	1	0	0	0	0	0	17
FPGN	3	0	1	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	7
IgM Nephropathy	0	0	4	3	0	6	4	0	2	1	4	4	2	3	0	0	0	2	0	3	38
Immune Complex Mediated GN	8	2	3	5	9	14	7	7	2	4	4	6	4	1	8	0	4	4	2	7	101
Glomerulonephritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	2	6	11
Fibrillary Glomerulonephritis																	1	0	0	0	1

Pediatric Nephrology Society of the Philippines

(NKTI-PCMC-PGH-UST-SPMC-VSMC)

January 2005 – December 2024

Pediatric Renal Biopsy Census (Admissions & Admission Referrals)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	TOTAL
Membranous Nephropathy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	4
Metabolic Storage Disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Pauci-Immune CGN	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	2	0	1	6
PIGN/PSGN	1	1	0	0	1	0	2	0	1	1	0	0	0	2	2	0	5	6	2	1	25
Polymavirus Nephropathy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	3
Segmental Podocyte Foot Process Abnormality	0	0	0	2	1	0	0	2	2	1	1	1	0	0	0	0	2	0	0	0	12
Segmental Thinning Of GBM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Polymavirus Nephropathy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
TBMD	0	0	0	3	3	22	6	9	13	8	5	2	1	0	6	0	1	5	0	1	85
Thrombotic Mesangiopathy	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3

Pediatric Nephrology Society of the Philippines
(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January 2005 – December 2024

Pediatric Renal Biopsy Census (Admissions & Admission Referrals)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	TOTAL	
GRAFT BIOPSY																						
Acute Rejection																	1	0	0	2		3
Chronic Allograft Nephropathy																	0	0	0	0		0
CNI Toxicity																	0	0	0	2		2
FSGS																	0	0	0	0		0
Borderline ACR																	0	0	0	1		1
Chronic Active Humoral Rejection																	0	0	1	0		1
MCD, Acute Tubular Injury Drug-Associated Changes																	0	0	0	0		0
TOTAL	137	137	179	156	130	175	161	114	144	109	101	103	84	104	108	26	71	103	95	97	2334	





PNSP Pediatric Renal Census

LEPTOSPIROSIS 2024



Pediatric Nephrology Society of the Philippines

(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January 2005 – December 2024

Pediatric Leptospirosis Census (Admissions & Admission Referrals)

2005	4	2015	25
2006	7	2016	56
2007	10	2017	79
2008	6	2018	181
2009	65	2019	106
2010	8	2020	54
2011	104	2021	49
2012	127	2022	55
2013	98	2023	46
2014	49	2024	72



Total: **1201**



Pediatric Nephrology Society of the Philippines

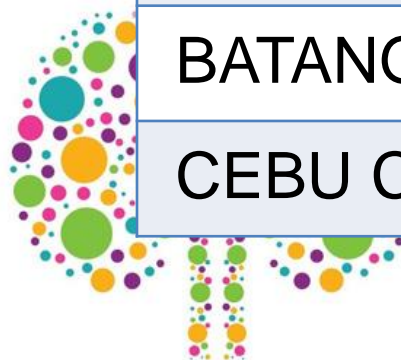
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January – December 2024

Pediatric Leptospirosis Census (Admissions & Admission Referrals)

LOCATION	NUMBER OF PATIENTS
CAVITE	3
NORTHERN SAMAR	2
RIZAL	1
NAVOTAS	2
MANDALUYONG	
PARANAQUE	9
LAGUNA	
DAVAO CITY	16
BULACAN	1
BATANGAS	1
CEBU CITY	1

LOCATION	NUMBER OF PATIENTS
CALOOCAN CITY	2
LAS PINAS	1
MALABON	6
MANILA	8
PASAY CITY	2
QUEZON CITY	9
MAKATI	1
VALENZUELA	1
MARIKINA CITY	2
PASIG CITY	2
TAGUIG CITY	2



Pediatric Nephrology Society of the Philippines
(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

2023 vs. 2024

Pediatric Leptospirosis Census (Admissions & Admission Referrals)

	2023		2024	
Features	Frequency	Percentage	Frequency	Percentage
SEX				
Male	41	<i>89.1</i>	62	<i>86.1</i>
Female	5	<i>10.9</i>	10	<i>13.9</i>
TOTAL	46		72	
AGE				
0-5 years	0	<i>0</i>	0	
6-10 years	6	<i>13.0</i>	4	<i>5.6</i>
11-15 years	20	<i>43.5</i>	39	<i>54.2</i>
16-19 years	20	<i>43.5</i>	29	<i>40.2</i>
TOTAL	46		72	



**Pediatric Nephrology Society of the Philippines
(NKTI-PCMC-PGH-UST-SPMC-VSMMC)**

January – December 2024

Pediatric Leptospirosis Census (Admissions & Admission Referrals)

Month of Consultation upon Diagnosis of Leptospirosis	
MONTH	NUMBER OF CONSULTATIONS
JANUARY	1
FEBRUARY	4
MARCH	2
APRIL	2
MAY	2
JUNE	7
JULY	5
AUGUST	26
SEPTEMBER	7
OCTOBER	7
NOVEMBER	6
DECEMBER	3

Pediatric Nephrology Society of the Philippines
(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

2023 vs. 2024

Pediatric Leptospirosis Census (Admissions & Admission Referrals)

COMPLICATIONS	2023		2024	
	FREQUENCY (n = 46)	%	FREQUENCY (n = 72)	%
RENAL FAILURE	35	76.1	46	63.9
RENAL FAILURE/MYOCARDITIS	7	15.2	1	1.4
PULMONARY HEMORRHAGE/ RENAL FAILURE	1	2.2	7	9.7
PULMONARY HEMORRHAGE/RENAL FAILURE/ MYOCARDITIS	0		2	2.8
PULMONARY HEMORRHAGE	0			
NOSOCOMIAL PNEUMONIA	0			
NOSOCOMIAL PNEUMONIA, ARDS	0		1	1.4
NONE	3	6.5	15	20.8



Pediatric Nephrology Society of the Philippines

(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

2023 vs. 2024

Pediatric Leptospirosis Census (Admissions & Admission Referrals)

	2023 (n = 46)	2024 (n = 72)
RENAL REPLACEMENT TX		
HEMODIALYSIS	10 (<i>21.7%</i>)	29 (<i>40.3%</i>)
PERITONEAL DIALYSIS	0	0
NONE	36 (<i>78.3%</i>)	43 (<i>59.7%</i>)



Pediatric Nephrology Society of the Philippines
(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

2023 vs. 2024

Pediatric Leptospirosis Census (Admissions & Admission Referrals)

OUTCOME	2023		2024	
	FREQUENCY (n = 46)	%	FREQUENCY (n = 72)	%
DISCHARGED / RECOVERED	45	<i>97.8</i>	67	<i>93.1</i>
RRT ON DISCHARGE	0		0	
CKD	0		0	
EXPIRED	1	<i>2.2</i>	5	<i>6.9</i>





PNSP Pediatric Renal Census

LUPUS NEPHRITIS 2024



Pediatric Nephrology Society of the Philippines
(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

2023 vs. 2024

Pediatric Lupus Nephritis Census (Admissions & Admission Referrals)


LOCATION	NUMBER OF PATIENTS	
	2023	2024
NCR	25	54
REGION I	1	3
REGION III	3	1
REGION IV	15	17
REGION V	0	1
REGION VIII	0	17
REGION IX	0	
REGION X	2	
REGION XI	7	3
REGION XII		10
REGION XIII	1	4
TOTAL	54	110

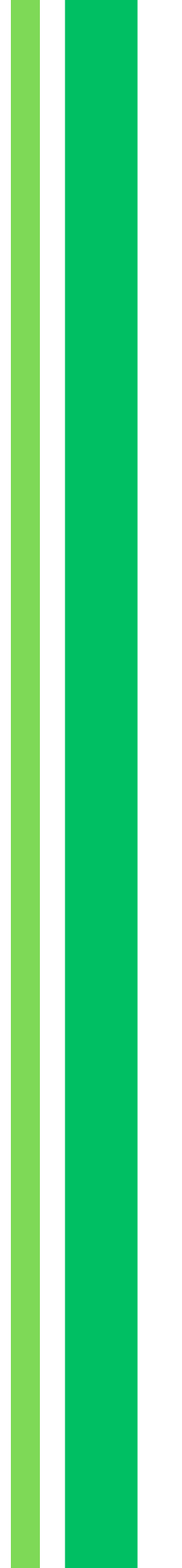
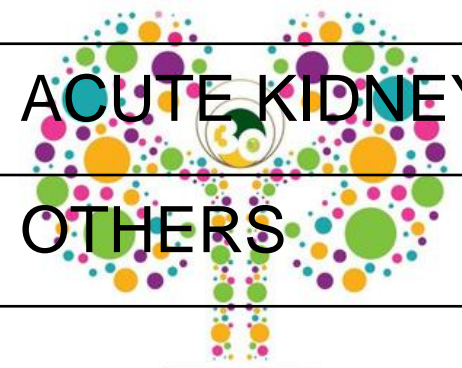


Pediatric Nephrology Society of the Philippines
(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January - December 2024

Pediatric Lupus Nephritis Census (Admissions & Admission Referrals)

PRIMARY RENAL PRESENTATION	FREQUENCY N = 110	PERCENTAGE
MICROSCOPIC HEMATURIA	11	10
GROSS HEMATURIA	2	1.8
ISOLATED PROTEINURIA SIGNIFICANT NEPHROTIC RANGE	4	3.6
NEPHRITIC SYNDROME	8	7.3
NEPHROTIC SYNDROME	16	14.5
NEPHROTIC-NEPHRITIC	62	56.4
ELECTROLYTE IMBALANCE	2	1.8
HYPERTENSION	1	0.9
ACUTE KIDNEY INJURY	4	3.6
OTHERS	0	



Pediatric Nephrology Society of the Philippines

(NKT-PCMC-PGH-UST-SPMC-VSMMC)

January - December 2024

Pediatric Lupus Nephritis Census (Admissions & Admission Referrals)

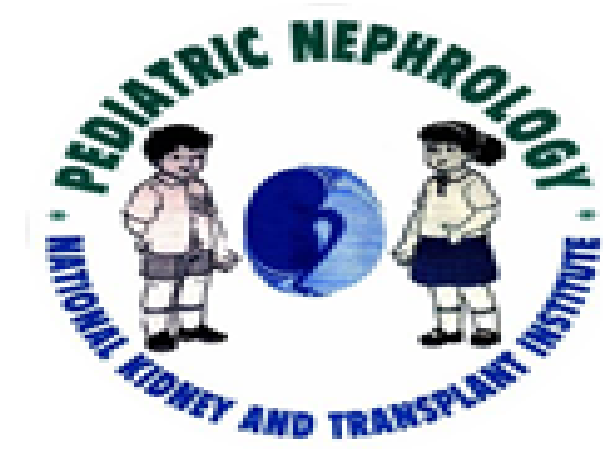
RENAL OUTCOME	FREQUENCY N = 110	PERCENTAGE
FULL RECOVERY / REMISSION	11	10
PARTIAL RECOVERY / REMISSION	31	28.2
ACTIVE	64	58.2
ON RRT ON DISCHARGE		
PD	1	
HD	6	
CKD	9	
LOST TO FOLLOW UP	4	3.6
PATIENT OUTCOME		
DIED	14	12.7
RECOVERED	92	85.5
LOST TO FOLLOW UP	4	1.8





PNSP Pediatric Renal Census

CAKUT 2024



Pediatric Nephrology Society of the Philippines

(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January - December 2024

Pediatric CAKUT Census (Admissions & Admission Referrals)

FEATURES	PERCENTAGE
SEX	
Male	244 (63.7%)
Female	139 (36.3%)
AGE	
0-5 years old	239 (62.4%)
6-10 years old	76 (19.8%)
11-15 years old	33 (8.6%)
16-18 years old	35 (9.1%)



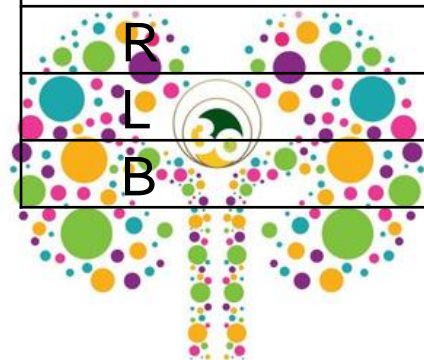
Pediatric Nephrology Society of the Philippines (NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January - December 2024

Pediatric CAKUT Census (Admissions & Admission Referrals)

CONGENITAL & INHERITED DISEASE	2024	%
BLADDER EXSTROPHY	1	0.3
DOUBLE COLLECTING SYSTEM	1	0.3
CROSSED FUSED ECTOPIA	1	0.3
CYSTIC KIDNEYS	3	0.8
DCS		
L	7	1.8
R	5	1.3
B	4	1.0
DUPLEX KIDNEY	1	0.3
DYPLASTIC KIDNEYS	2	0.5
ECTOPIC BLADDER		
ECTOPIC KIDNEY	8	2.1
HORSESHOE KIDNEY	6	1.6
HYDRONEPHROSIS	36	9.4
HYDROURETERONEPHROSIS	2	0.5
HYPOSPADIAS	65	17.0
MCDK		
R	20	5.2
L	11	2.9
B	2	0.5

CONGENITAL & INHERITED DISEASE	2024	%
NONFUNCTIONING KIDNEY	2	0.5
PATENT URACHUS	1	0.3
PERSISTENT CLOACA	1	0.3
PHIMOSIS	10	2.6
POLYCYSTIC KIDNEYS	7	1.8
POSTERIOR URETHRAL VALVE	6	1.6
RENAL AGENESIS		
R	18	4.7
L	9	2.3
B	1	0.3
RENAL CYST	5	1.3
RENAL HYPOPLASIA		
R	3	0.8
L	1	0.3
B	5	1.3
MEGAURETER	1	0.3



Pediatric Nephrology Society of the Philippines
(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January - December 2024

Pediatric CAKUT Census (Admissions & Admission Referrals)

CONGENITAL & INHERITED DISEASE	2024	%
UNDESCENDED TESTES	7	1.8
UPJO/UPJS		
R	11	2.9
L	29	7.6
B	8	2.1
URETEROCELE	3	0.8
URINARY BLADDER DIVERTICULUM	1	0.3
URETHRAL DIVERTICULUM		
URETHRAL STENOSIS		
URETHRAL STRICTURE	2	0.5
UROGENITAL SINUS	1	0.3
UVJO		
R	2	0.5
L	4	1.0
B		
VUR GR 5		
R	7	1.8
L	6	1.6
B	11	2.9

CONGENITAL & INHERITED DISEASE	2024	%
VUR GR 4		
R	3	0.8
L	12	3.1
B	3	0.8
VUR GR 3		
R	6	1.6
L	5	1.3
B	8	2.1
VUR GR 2		
R		
L	1	0.3
VUR GR 1		
R	3	0.8
L	3	0.8
OVERACTIVE BLADDER		
OBSTRUCTIVE UROPATHY	2	0.5
TOTAL	383	



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January - December 2024

Pediatric CAKUT Census (Admissions & Admission Referrals)

RENAL PROBLEMS	FREQUENCY	PERCENTAGE (%)
URINARY TRACT INFECTION		
FEBRILE UTI	24	6.2
RECURRENT UTI	86	22.5
HYPERTENSION		
OBSTRUCTION	18	4.7
ACUTE KIDNEY INJURY	4	1.0
CHRONIC KIDNEY DISEASE		
AZOTEMIA	10	2.6
ON RRT	8	2.1
INCIDENTAL	233	60.8



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January - December 2024

Pediatric CAKUT Census (Admissions & Admission Referrals)

MANAGEMENT	
MEDICAL	216 (<i>56.4%</i>)
SURGICAL	167 (<i>43.6%</i>)



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January - December 2024

Pediatric CAKUT Census (Admissions & Admission Referrals)

RENAL OUTCOME	FREQUENCY	PERCENTAGE
CKD NOT ON RRT	244	63.7
CKD ON RRT	8	2.1
PATIENT OUTCOME		
DIED	1	0.3





PNSP Pediatric Renal Census

NEUROGENIC BLADDER 2024



Pediatric Nephrology Society of the Philippines

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January – December 2024

Neurogenic Bladder Census (Admissions & Admission Referrals)

FEATURES	PERCENTAGE
SEX	
Male	41 (52.6%)
Female	37 (47.4%)
AGE	
0-5 years old	35 (44.9%)
6-10 years old	17 (21.8%)
11-15 years old	20 (25.6%)
16-18 years old	6 (7.7%)



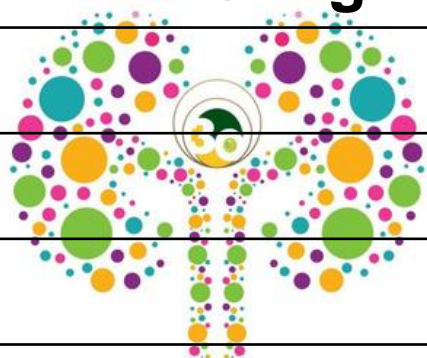
Pediatric Nephrology Society of the Philippines

(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January – December 2024

Neurogenic Bladder Census (Admissions & Admission Referrals)

ETIOLOGY	2024	%
Overactive bladder	1	1.3
Neurogenic non-neurogenic bladder	9	11.5
BBD	2	2.6
Secondary monosymptomatic enuresis	1	1.3
Chiari malformation	12	15.4
Transverse myelitis	1	1.3
Lipocoele with tethered cord	2	2.6
Meningocele	2	2.6
Spinal TB	2	2.6
Diastematomyelia	1	1.3
Lipomyelomeningocele	1	1.3
Congenital central hypoventilation syndrome	1	1.3
Spinal dysraphism	20	25.6
Cerebral palsy	3	3.8
Sacral agenesis	1	1.3



Pediatric Nephrology Society of the Philippines

(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January – December 2024

Neurogenic Bladder Census (Admissions & Admission Referrals)

ETIOLOGY	2024	%
Spinal metastasis	1	1.3
GBS	1	1.3
Dandy Walker	1	1.3
Urinary Bladder Diverticulum	1	1.3
Bladder Exstrophy	1	1.3
Tethered cord syndrome	3	3.8
Spina bifida	4	5.1
Spinal epidermoid cyst	1	1.3
Others	6	7.7



Pediatric Nephrology Society of the Philippines

(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January – December 2024

Neurogenic Bladder Census (Admissions & Admission Referrals)

MANAGEMENT	
MEDICAL	74 (94.9%)
SURGICAL	4 (5.1%)



Pediatric Nephrology Society of the Philippines

(NKTJ-PCMC-PGH-UST-SPMC-VSMMC)

January – December 2024

Neurogenic Bladder Census (Admissions & Admission Referrals)

RENAL OUTCOME	FREQUENCY	PERCENTAGE
CKD NOT ON RRT	18	23.1
CKD ON RRT	2	2.6
PATIENT OUTCOME		
DIED	0	





PNSP Pediatric Renal Census

CHRONIC KIDNEY DISEASE 2024



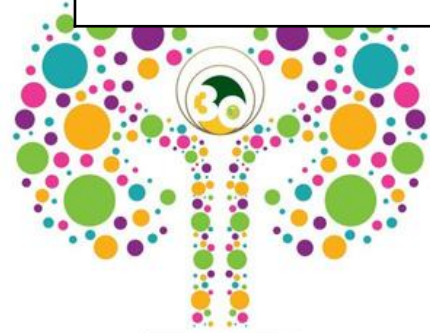
Pediatric Nephrology Society of the Philippines

(NKTJ-PCMC-PGH-UST-SPMC-VSMMC)

January – December 2024

Pediatric CKD Census (Admissions & Admission Referrals)

FEATURES	FREQUENCY (N = 301)	%
SEX		
Male	165	54.8
Female	136	45.2
AGE		
0-5 years old	15	4.9
6-10 years old	38	12.6
11-15 years old	120	40.0
16-18 years old	128	42.5



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January – December 2024

Pediatric CKD Census (Admissions & Admission Referrals)

PRIMARY DIAGNOSIS	FREQUENCY	PERCENT
Chronic Glomerular Disease	195	<i>64.8</i>
Secondary		
Focal Segmental Glomerulosclerosis	13	<i>4.3</i>
IgM Nephropathy	3	<i>1.0</i>
IgA Nephropathy	2	<i>0.7</i>
Lupus Nephritis	15	<i>5.0</i>
Multiple Myeloma	0	
Urologic		
Congenital Anomaly of the Kidneys and Urinary Tract	27	<i>9.0</i>
Neurogenic bladder	4	<i>1.3</i>
Obstructive uropathy	6	<i>2.0</i>
Reflux Nephropathy	6	<i>2.0</i>
Renovascular Disorder	4	<i>1.3</i>
Cystic Kidney Disease	4	<i>1.3</i>
Hypoplastic Kidney	1	<i>0.3</i>
Others	21	<i>7.0</i>

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January – December 2024

Pediatric CKD Census (Admissions & Admission Referrals)

PREVIOUS AKI	FREQUENCY	PERCENT
Yes	54	17.9
No	247	82.1
BIOPSY DONE		
Yes	26	8.6
No	275	91.4



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January – December 2024

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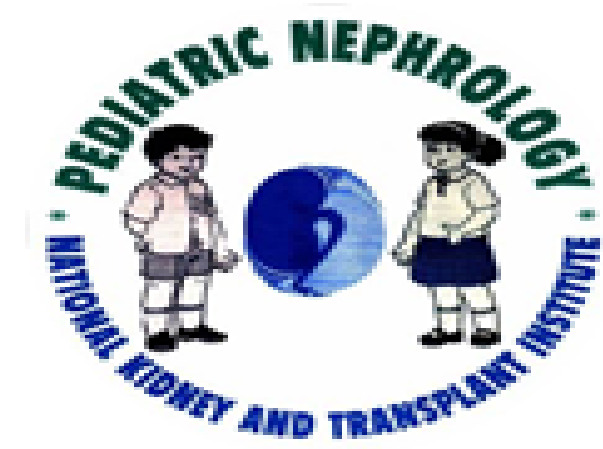
MANAGEMENT	
SUPPORTIVE	77
RENAL REPLACEMENT THERAPY	
HEMODIALYSIS	142
PERITONEAL DIALYSIS	71
TRANSPLANT	11





PNSP Pediatric Renal Census

COVID 2024



Pediatric Nephrology Society of the Philippines

(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January – December 2024

Pediatric COVID (Admissions & Admission Referrals)

	Male	Female	Total
SEX	30	21	51
AGE GROUP			
<1 years old	5	3	8
1-6 years old	4	0	4
7-12 years old	5	7	12
13-18 years old	16	11	27



Pediatric Nephrology Society of the Philippines

(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January – December 2024

Pediatric COVID (Admissions & Admission Referrals)

COMORBIDITIES	FREQUENCY	PERCENTAGE (N = 51)
NONE	28	54.9
RENAL	11	21.6
CARDIAC	1	1.9
PULMO	5	9.8
GI	0	
NEURO	1	1.9
HEMA-ONCO	4	7.8
SURGERY	0	
ENDO	1	1.9



Pediatric Nephrology Society of the Philippines

(NKTI-PCMC-PGH-UST-SPMC-VSMMC)

January – December 2024

Pediatric COVID (Admissions & Admission Referrals)

PRIMARY RENAL PRESENTATION	COVID WITH RENAL MANIFESTATIONS (N = 10)	RENAL PATIENTS WITH COVID INFECTION (N = 41)
MICROSCOPIC HEMATURIA	0	0
GROSS HEMATURIA	0	1
PYURIA	0	0
PROTEINURIA	0	2
NEPHRITIC	1	6
NEPHROTIC	0	4
ELECTROLYTE IMBALANCE	1	2
HYPERTENSION	1	2
ACUTE KIDNEY INJURY	5	1
CKD	0	3
Dialysis	0	11
Transplant	0	
OTHERS	2	9



Pediatric Nephrology Society of the Philippines

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January – December 2024

Pediatric COVID (Admissions & Admission Referrals)

AKI STAGE (KDIGO)	FREQUENCY (n = 7)	PERCENTAGE
STAGE 1	2	28.6
STAGE 2	0	
STAGE 3	5	71.4



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January – December 2024

Pediatric COVID (Admissions & Admission Referrals)

RENAL REPLACEMENT THERAPY	FREQUENCY (n = 51)	PERCENTAGE
NONE	46	90.2
PD	1	1.9
IHD	4	7.8
PIRRT OR SLEDD	0	
CVVHF	0	
CVVHD	0	
CVVHDF	0	



Pediatric Nephrology Society of the Philippines

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January – December 2024

Pediatric COVID (Admissions & Admission Referrals)

HEMOPERFUSION DONE	FREQUENCY	PERCENTAGE
CARTRIDGE USED: HA330 MG350 OTHER	2	3.9



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January – December 2024

Pediatric COVID (Admissions & Admission Referrals)

TREATMENT	FREQUENCY (n = 51)	PERCENTAGE
ANTIVIRAL THERAPY		
NONE	51	100
LOPINAVIR/RITONAVIR	0	
REMDESIVIR	0	
OTHERS (SPECIFY)		
IMMUNOMODULATORS		
. NONE	41	80.4
. HYDROXYCHLOROQUINE	1	1.9
. TOCILUZIMAB	0	
. DEXAMETHASONE	9	17.6
. CONVALESCENT PLASMA	0	
. IVIG	0	
. MESENCHYMAL STEM CELL	0	
. OTHERS (SPECIFY)		
METHYLPREDNISOLONE	0	



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January – December 2024

Pediatric COVID (Admissions & Admission Referrals)

	FREQUENCY	PERCENTAGE
RENAL OUTCOME (AKI)		n = 51
FULL RECOVERY	45	88.2
PARTIAL RECOVERY	0	
DIED	5	9.8
ON RRT	1	1.9
UNKNOWN	0	
PATIENT OUTCOME		n = 51
DIED	5	9.8
RECOVERED	45	88.2
UNKNOWN	1	1.9
LENGTH OF STAY	7.7 days	

