



17TH

**ANNUAL
REPORT OF
INDONESIAN
RENAL
REGISTRY**

2024

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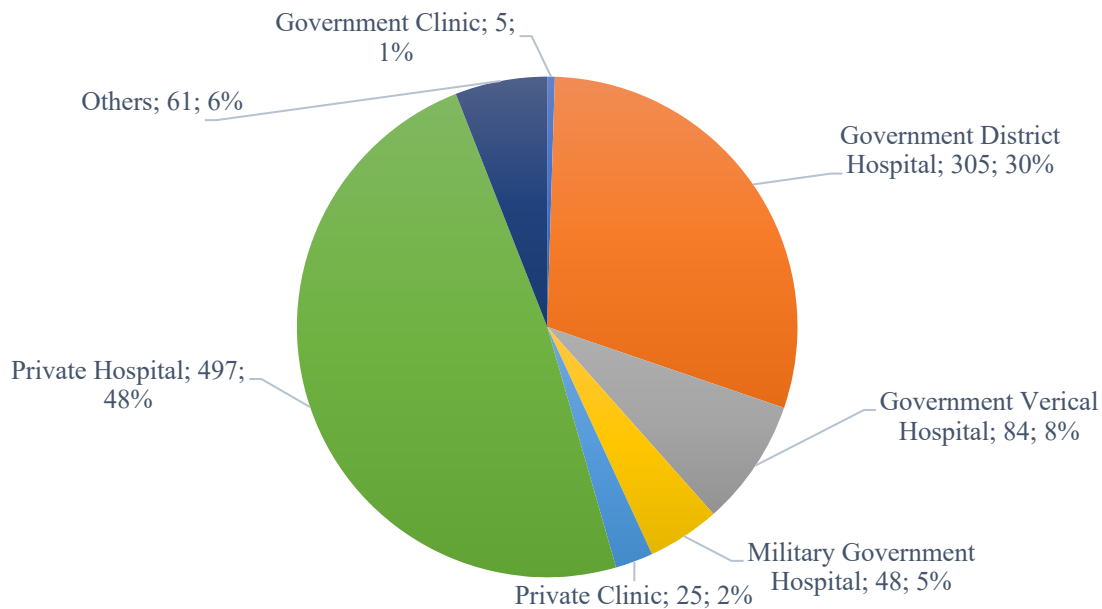
Website : www.indonesianrenalregistry.org

Renal Unit in Indonesia

Machine 2023 1225
Machine 2024 1242



Number of Renal Units based on Ownership in Indonesia, 2024



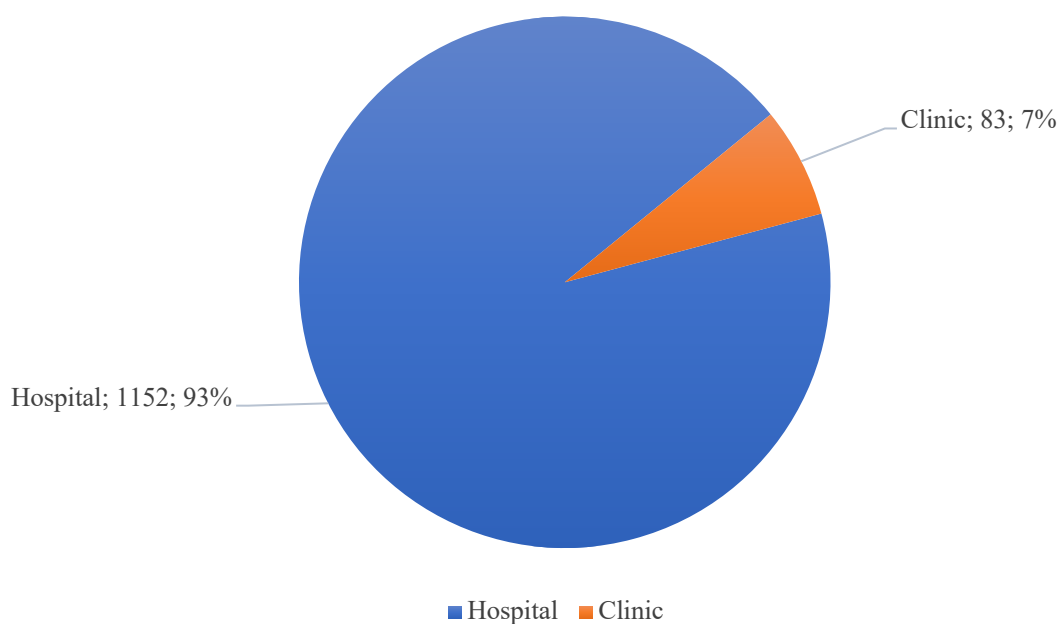
- Government Clinic
- Government District Hospital
- Government Verical Hospital
- Military Government Hospital
- Private Clinic
- Private Hospital
- Others

Distribution of Ownership Dialysis Unit

Province	Government Clinic	Government District Hospital	Government Vertical Hospital	Military Government Hospital	Private Clinic	Private Hospital	Others	Grand Total
Bali		12	2	2	1	23	1	41
Bangka Belitung		5		0		6		11
Banten		3	2	0	3	24	2	34
Bengkulu		2	2	1		1		6
DI. Yogyakarta		5	1	3	2	15	3	29
DKI Jakarta	1	14	8	11	6	64	1	105
Gorontalo		3	1	0		0		4
Jambi		5	1	1		3		10
Jawa Barat	1	34	13	8	4	110	12	182
Jawa Tengah	1	46	10	4	3	65	15	144
Jawa Timur		41	1	9		52	18	121
Kalimantan Barat		7	3	1	1	3		15
Kalimantan Selatan		12		0		7		19
Kalimantan Tengah		5		0		0		5
Kalimantan Timur		10	2	1		9	3	25
Kalimantan Utara		1		0		0		1
Kepulauan Riau		3	3	1		10		17
Lampung		6	1	0	1	10	1	19
Maluku		1	1	0		0		2
Maluku Utara		3		0		0		3
Nangroe Aceh Darussalam		11	1	0	1	3		16

Nusa Tenggara Barat		8		0		2		10
Nusa Tenggara Timur		5	2	0		5	1	13
Papua		3	2	0		0		5
Riau		5	4	0	1	10	1	21
Sulawesi Selatan		4	5	2		9		20
Sulawesi Tengah		3	1	0		0		4
Sulawesi Tenggara		2		0		1		3
Sulawesi Utara		8	1	0		4		13
Sumatera Selatan		12	3	1	1	18	2	37
Sumatra Barat		7	5	1		6		19
Sumatra Utara	2	19	9	2	1	37	1	71
Grand Total	5	305	84	48	25	497	61	1025

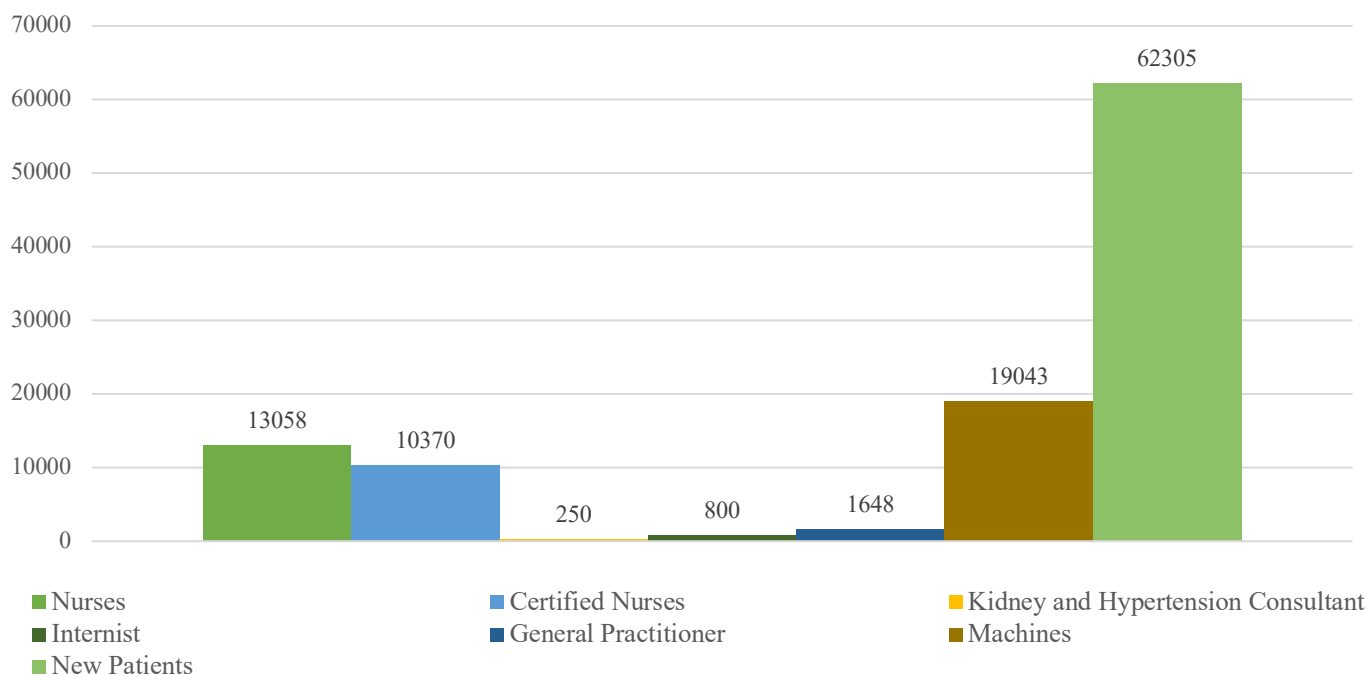
Number of Renal Units by Institutional Type in Indonesia in 2024



Number of Renal Unit based on Institutional Type in Indonesia, 2024

Province	Hospital	Clinic	Grand Total
Bali	43	5	48
Bangka Belitung	11	1	12
Banten	40	7	47
Bengkulu	10		10
DI. Yogyakarta	32	4	36
DKI Jakarta	106	23	129
Gorontalo	6		6
Jambi	11		11
Jawa Barat	219	16	235
Jawa Tengah	163	4	167
Jawa Timur	129	1	130
Kalimantan Barat	17	2	19
Kalimantan Selatan	21		21
Kalimantan Tengah	7		7
Kalimantan Timur	27		27
Kalimantan Utara	1		1
Kepulauan Riau	17	2	19
Lampung	24	2	26
Maluku	2		2
Maluku Utara	3		3
Nangroe Aceh Darussalam	17	2	19
Nusa Tenggara Barat	12		12
Nusa Tenggara Timur	13		13
Papua	5		5
Riau	27	2	29
Sulawesi Selatan	27		27
Sulawesi Tengah	5		5
Sulawesi Tenggara	4		4
Sulawesi Utara	17		17
Sumatera Selatan	42	3	45
Sumatra Barat	21	2	23
Sumatra Utara	81	6	87
Grand Total	1160	82	1242

Number of Kidney and Hypertension Consultant, HD Nurses, Number of Machines and New Patients in 2024

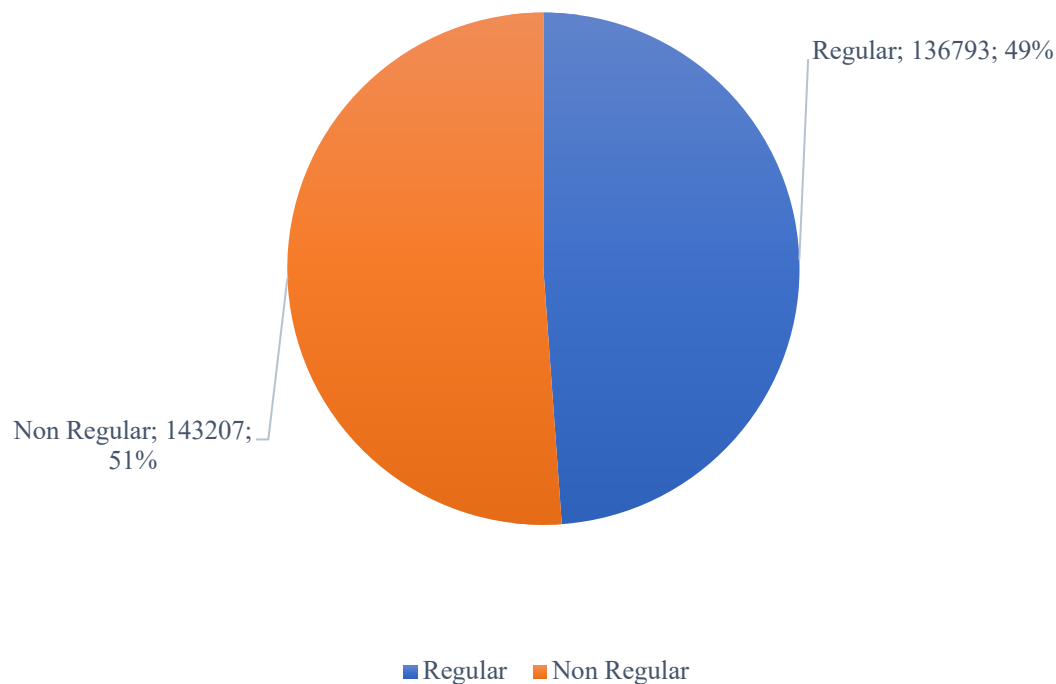


Number of Attending Physician and New Patients in 2024

Province	Kidney and Hypertension Consultant	Internist	General Practitioners	New Patients
Bali	17	25	61	1884
Bangka Belitung		6	13	349
Banten		23	71	1605
Bengkulu		9	12	361
DI. Yogyakarta	17	27	57	1684
DKI Jakarta	70	63	192	5103
Gorontalo		6	6	99
Jambi		7	11	496
Jawa Barat	17	169	329	13112
Jawa Tengah	23	122	235	9815
Jawa Timur	23	84	136	9247
Kalimantan Barat	3	8	24	528
Kalimantan Selatan	2	14	28	1167
Kalimantan Tengah	2	5	10	766
Kalimantan Timur	2	19	31	1239
Kalimantan Utara	1		3	59
Kepulauan Riau		11	30	767
Lampung	3	18	43	1644
Maluku		4	6	133
Nangroe Aceh Darussalam	9	13	19	366
Nusa Tenggara Barat		9	17	436
Nusa Tenggara Timur		11	18	273
Papua		2	3	183
Riau		24	43	1711
Sulawesi Selatan	18	8	30	1462
Sulawesi Tengah		5	5	310
Sulawesi Tenggara		4	3	220

Sulawesi Utara	8	7	25	696
Sumatera Selatan	18	24	58	2444
Sumatra Barat	6	16	36	857
Sumatra Utara	11	57	93	3273
Grand Total	250	800	1648	62305

Proportion of Prevalence to Prevalence Prediction

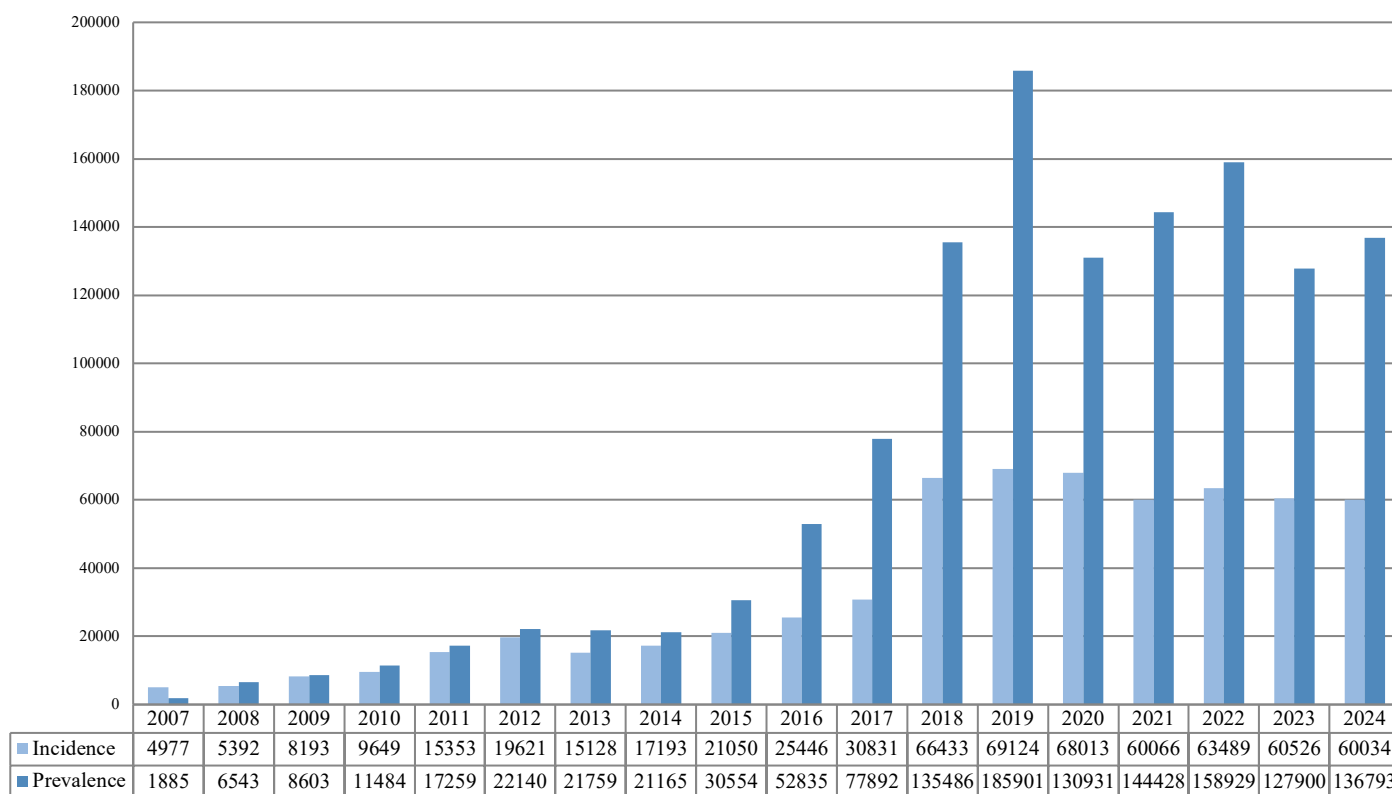


Number of Nurses, Certified Nurses and Machines in 2024

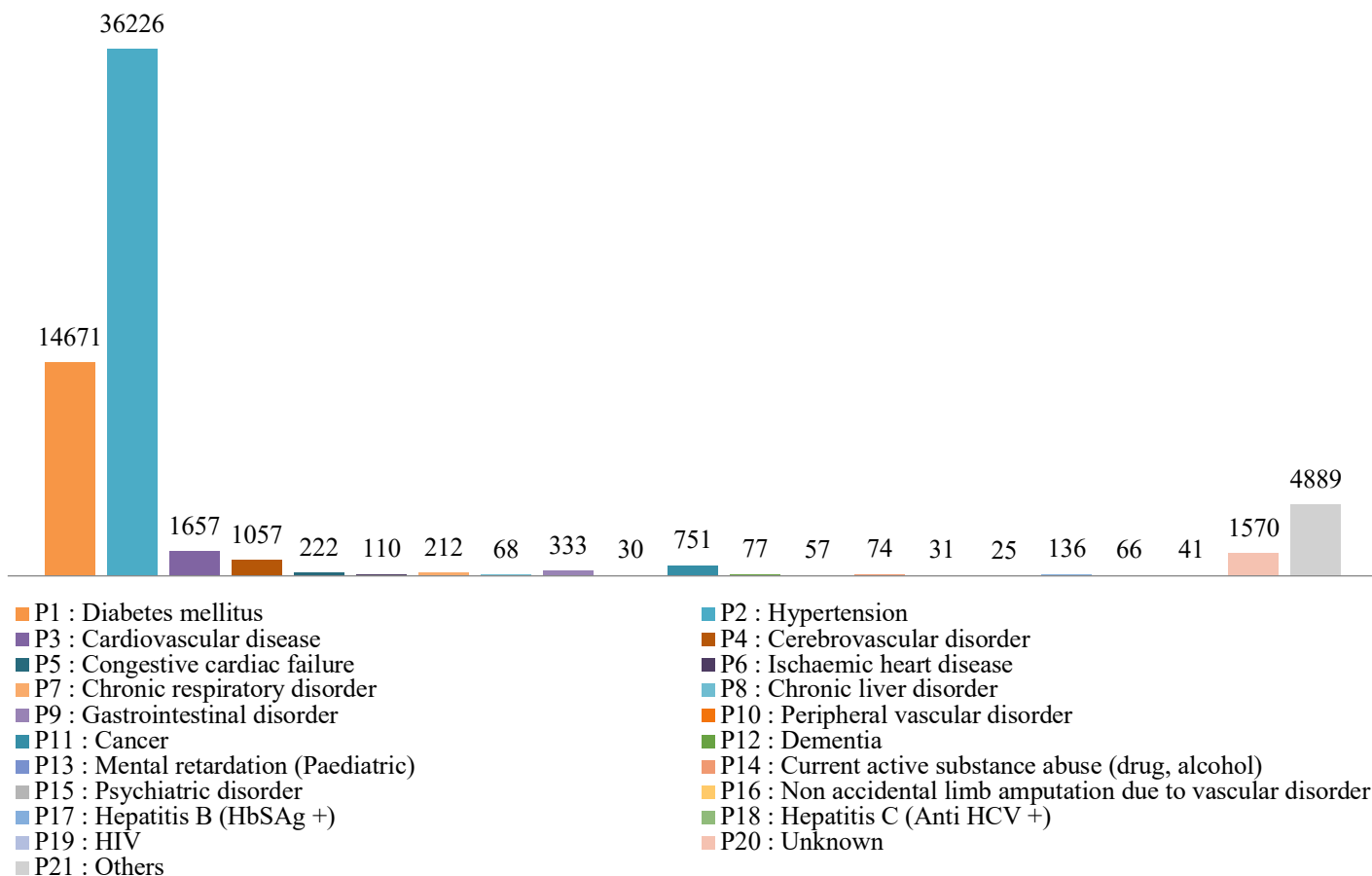
Province	Nurses	Certified Nurses	Machines
Bali	515	406	838
Bangka Belitung	79	56	108
Banten	417	313	609
Bengkulu	95	67	164
DI. Yogyakarta	460	430	638
DKI Jakarta	1317	1001	2105
Gorontalo	34	19	40
Jambi	98	45	155
Jawa Barat	2459	2038	3701
Jawa Tengah	1951	1708	2813
Jawa Timur	1769	1457	2284
Kalimantan Barat	137	103	201
Kalimantan Selatan	209	136	252
Kalimantan Tengah	69	54	107

Kalimantan Timur	281	174	409
Kalimantan Utara	9	4	5
Kepulauan Riau	148	109	259
Lampung	309	263	394
Maluku	19	16	50
Maluku Utara	26	21	34
Nangroe Aceh Darussalam	190	118	240
Nusa Tenggara Barat	107	67	147
Nusa Tenggara Timur	115	69	143
Papua	39	24	45
Riau	252	156	382
Sulawesi Selatan	238	187	307
Sulawesi Tengah	54	32	70
Sulawesi Tenggara	25	13	46
Sulawesi Utara	233	150	403
Sumatera Selatan	445	355	595
Sumatra Barat	184	146	272
Sumatra Utara	751	609	1194
Grand Total	13034	10346	19010

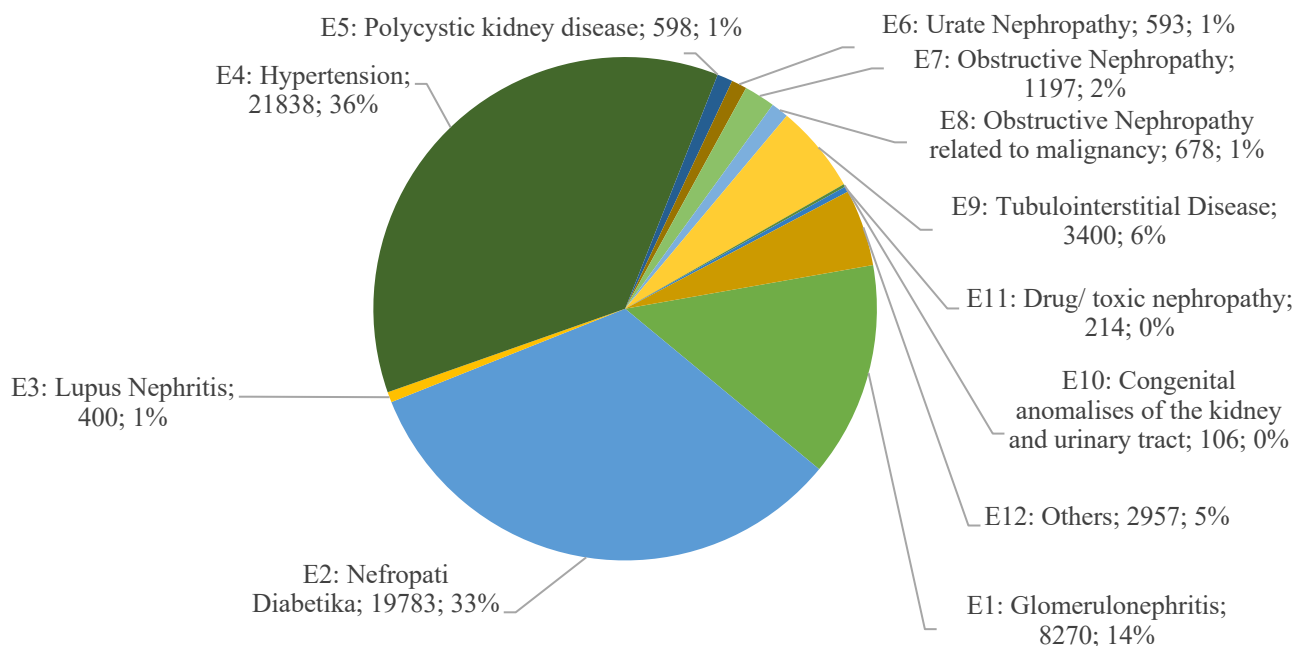
Cumulative Incidence and Prevalence ESKD on Chronic HD 2007-2024



Distribution of Acute on Chronic Kidney Disease Stage 5 (CKD Stage 5) Patients According to Comorbid Conditions in Indonesia

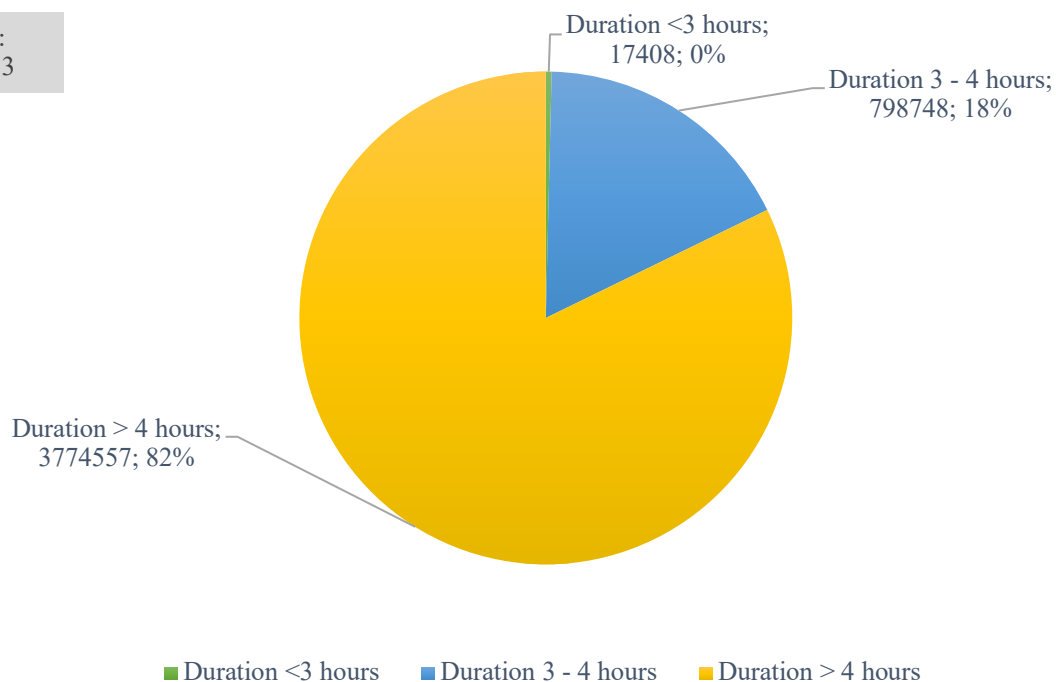


Distribution of CKD Stage 5 (N18.1) Patients According to Etiology in Indonesia

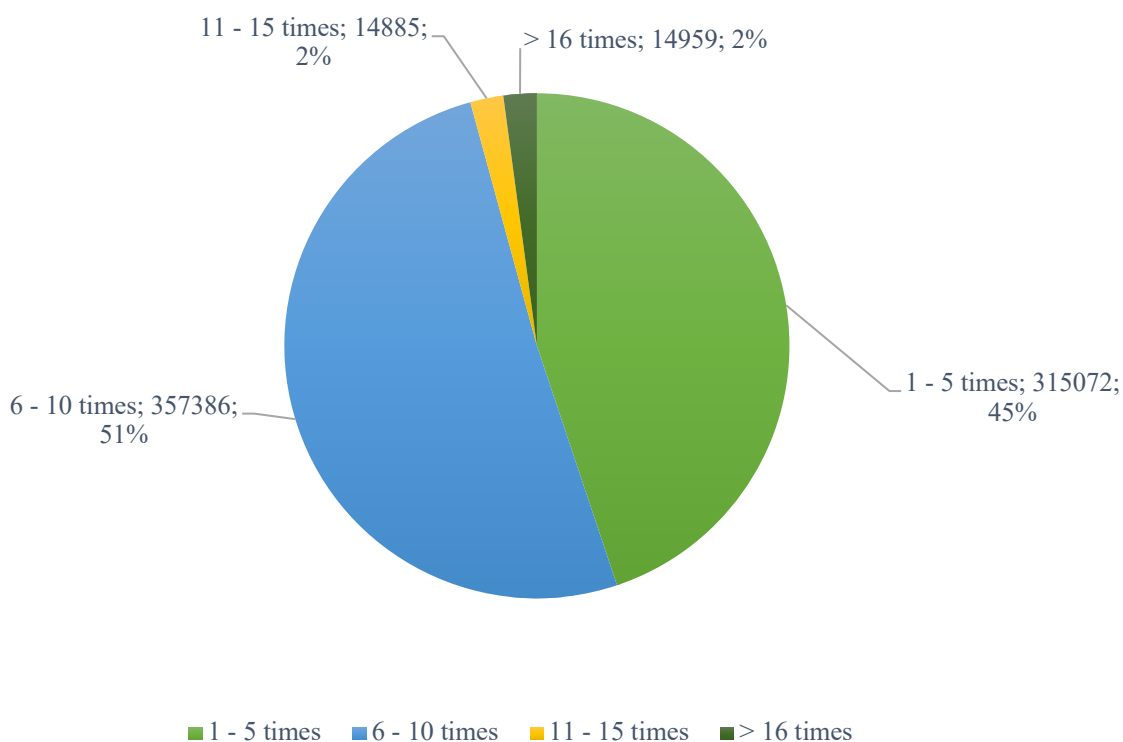


Distribution of Hemodialysis Procedures According to Duration in Indonesia, 2024

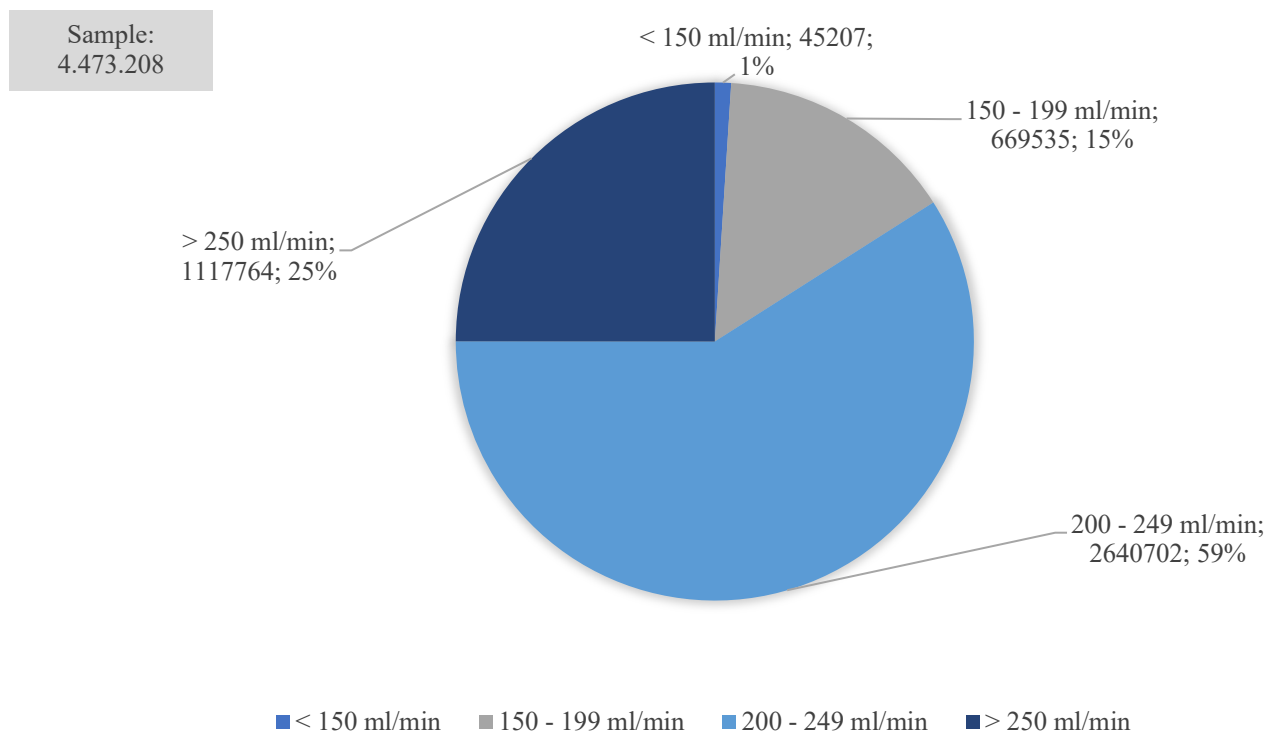
Sample:
4.590.713



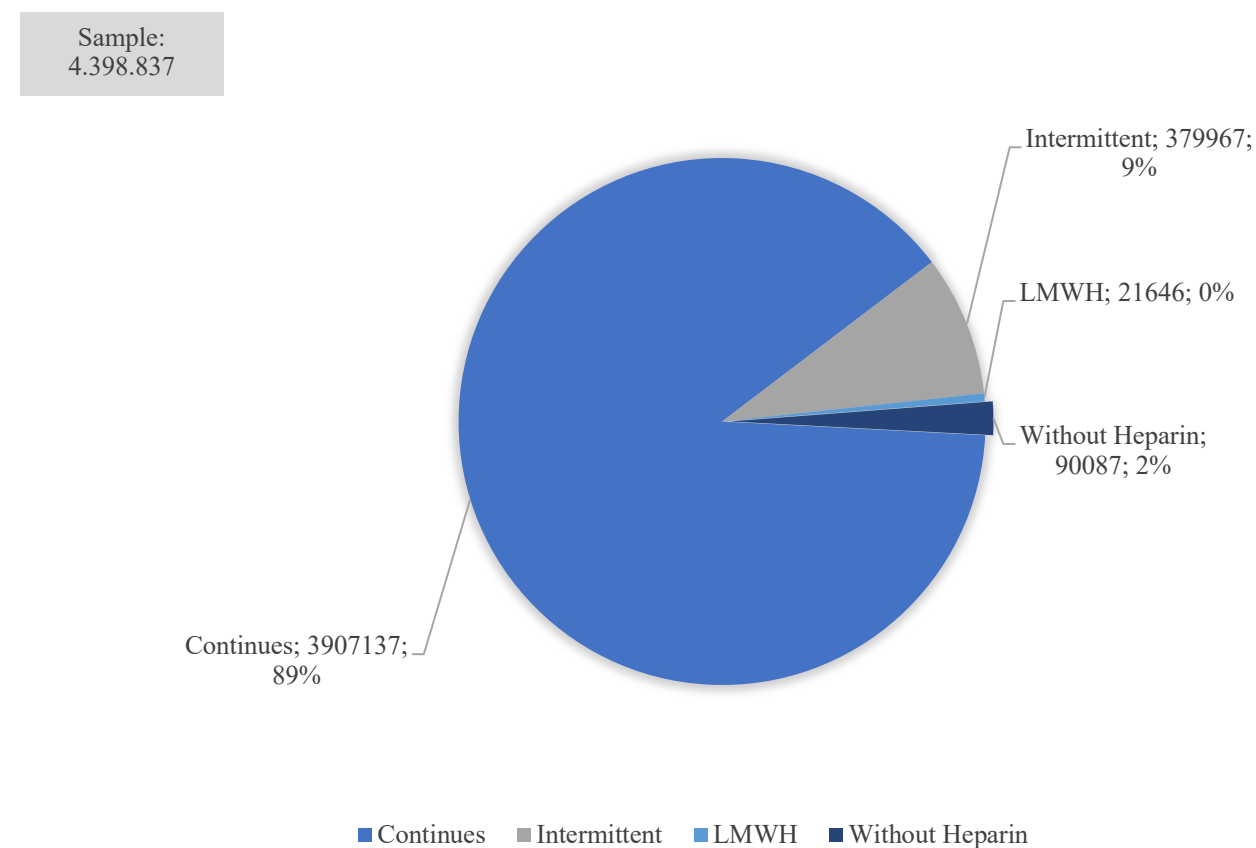
Utilization of Dialyzer Reuse in 2024



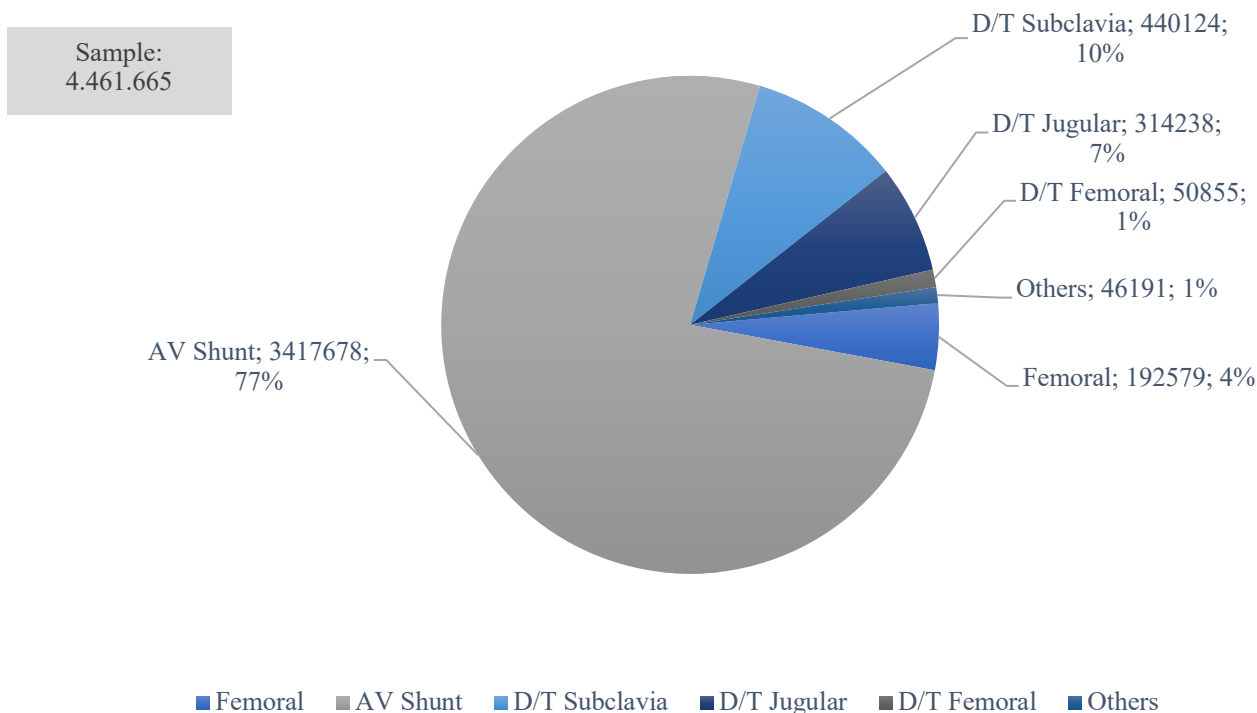
Distribution of Hemodialysis Sessions According to Blood Flow Rate (Qb) in 2024



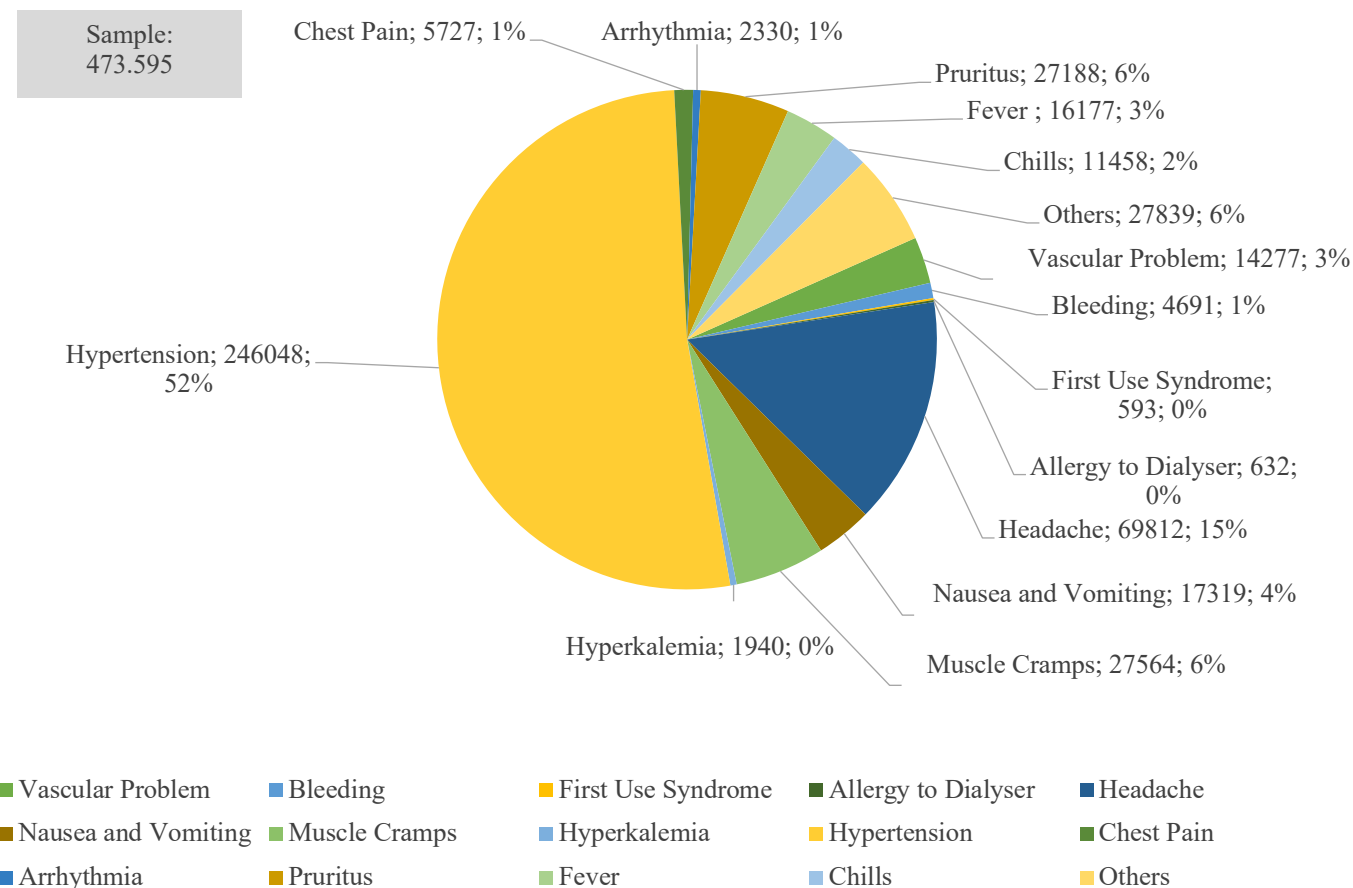
Distribution of Anticoagulant Use in Hemodialysis Procedures, Indonesia 2023



Proportion of Hemodialysis Procedures Based on Vascular Access in Indonesia, 2024



Proportion of Adverse Events During Hemodialysis in Indonesia 2024

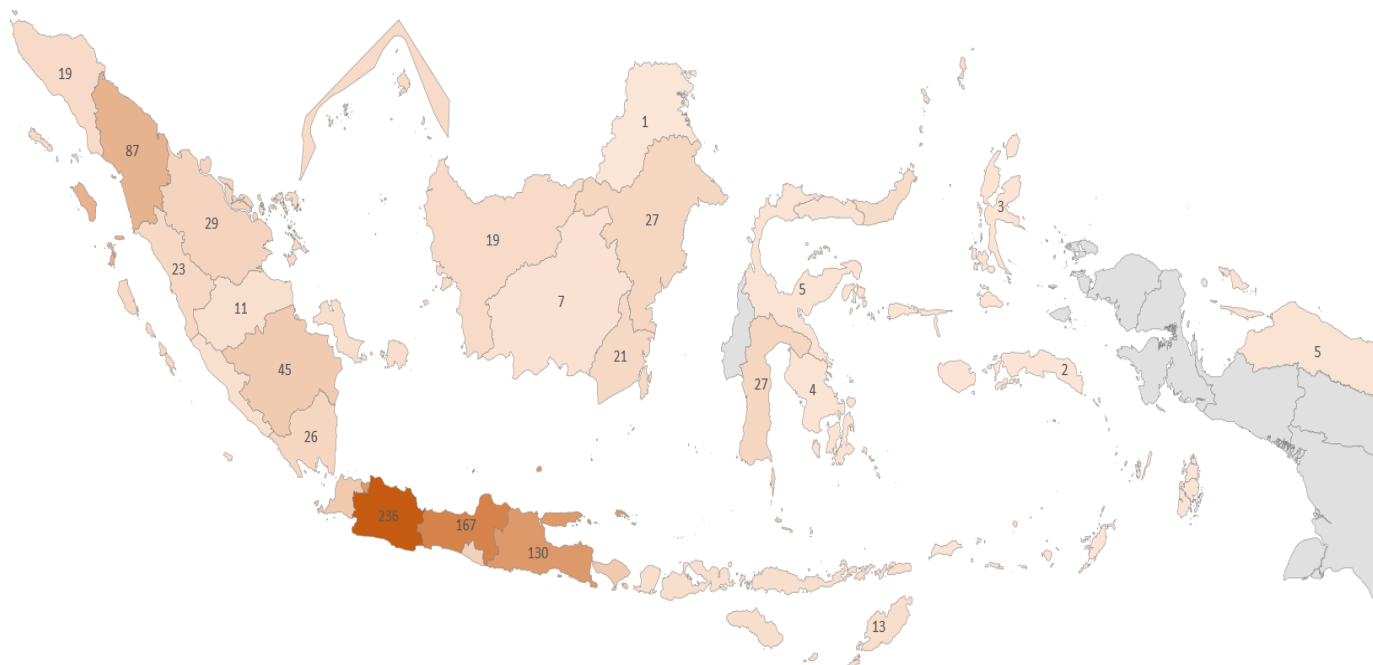


Continuous Ambulatory Peritoneal Dialysis (CAPD)

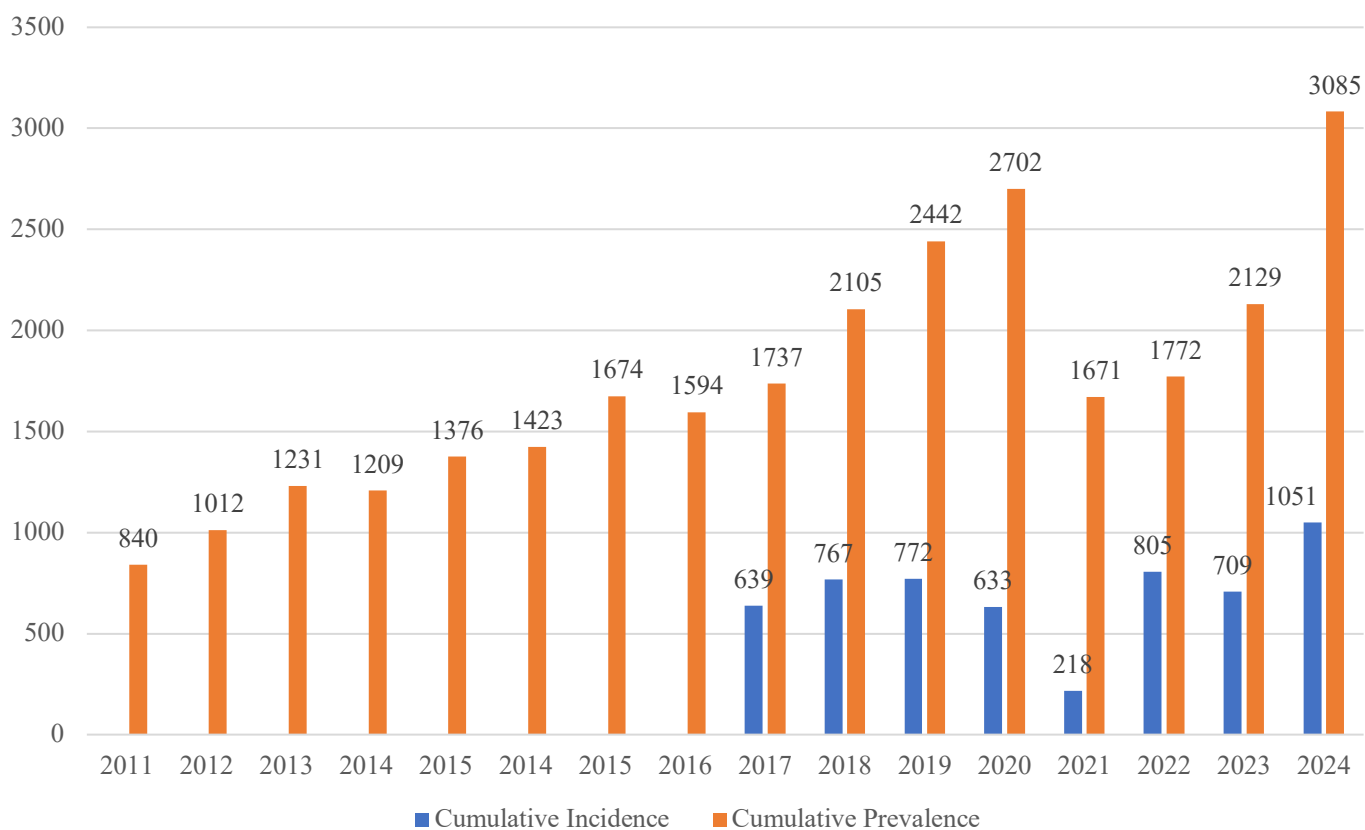
Number of Dialysis Unit in 2024

1242 dialysis unit :

- 1046 : HD only
- 188 : HD and CAPD

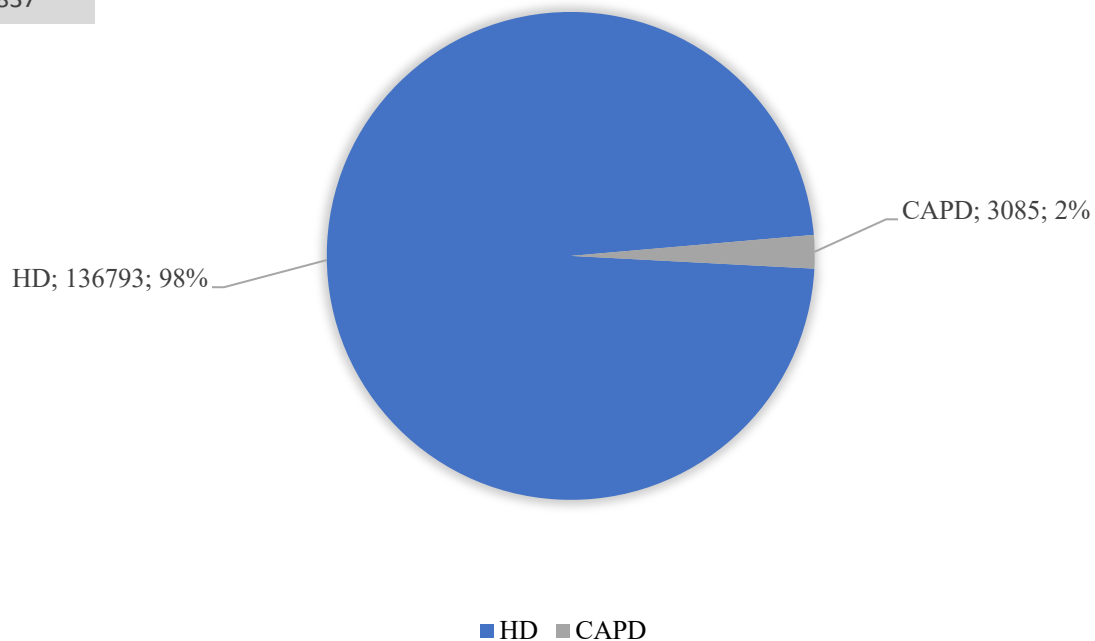


Cumulative Incidence And Prevalence CAPD Patient 2011 - 2024



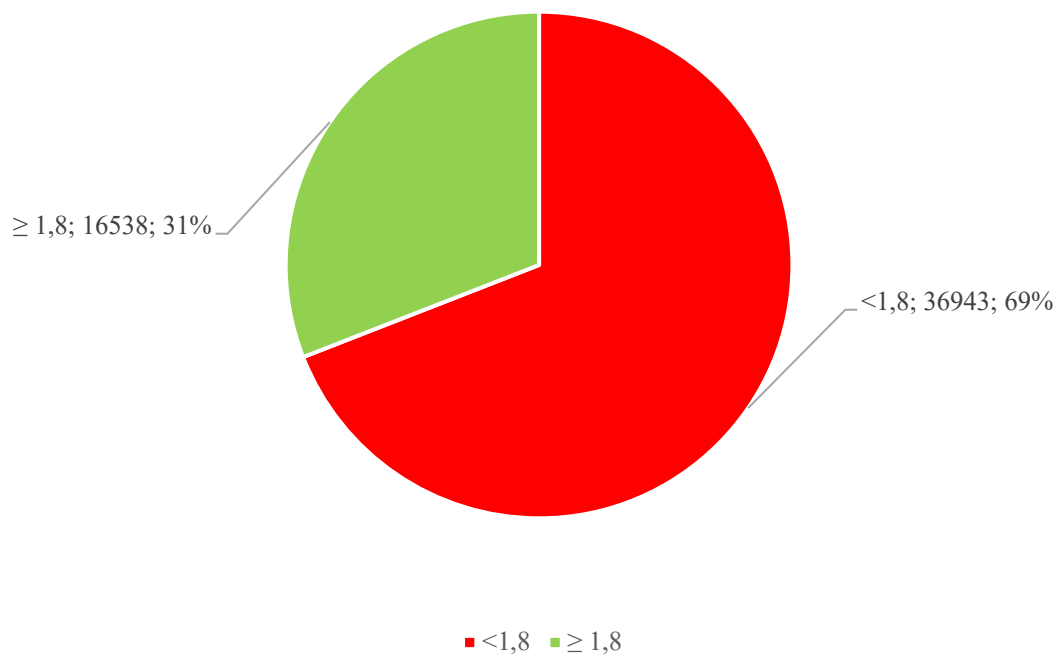
Proportion of HD:CAPD Patients in Indonesia in 2024

Sample:
4.398.837

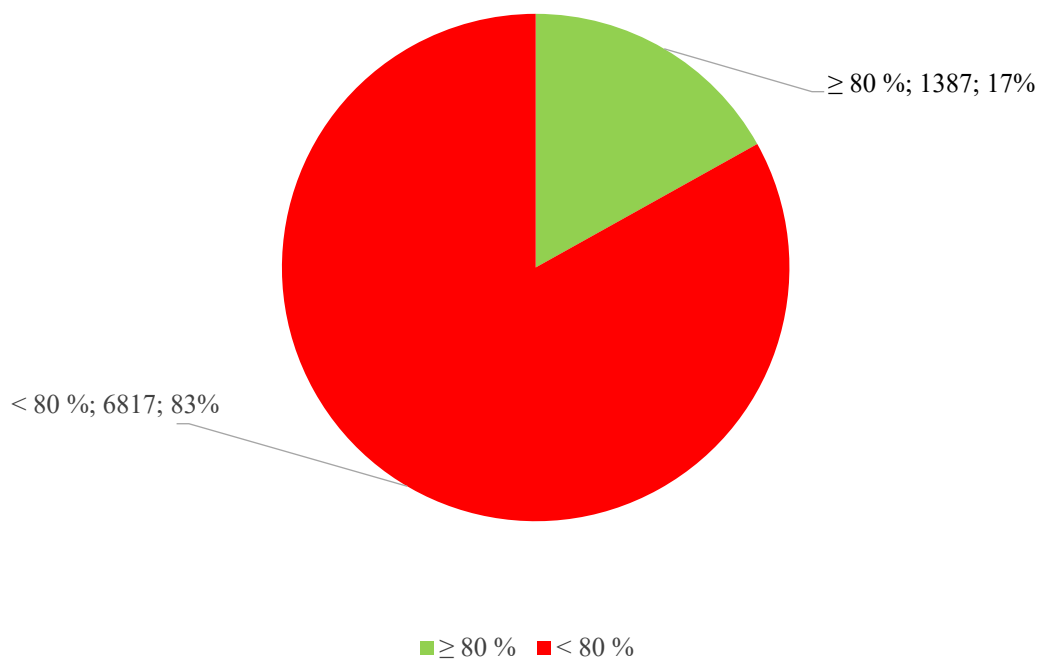


Laboratory Findings of Hemodialysis Patients in Indonesia

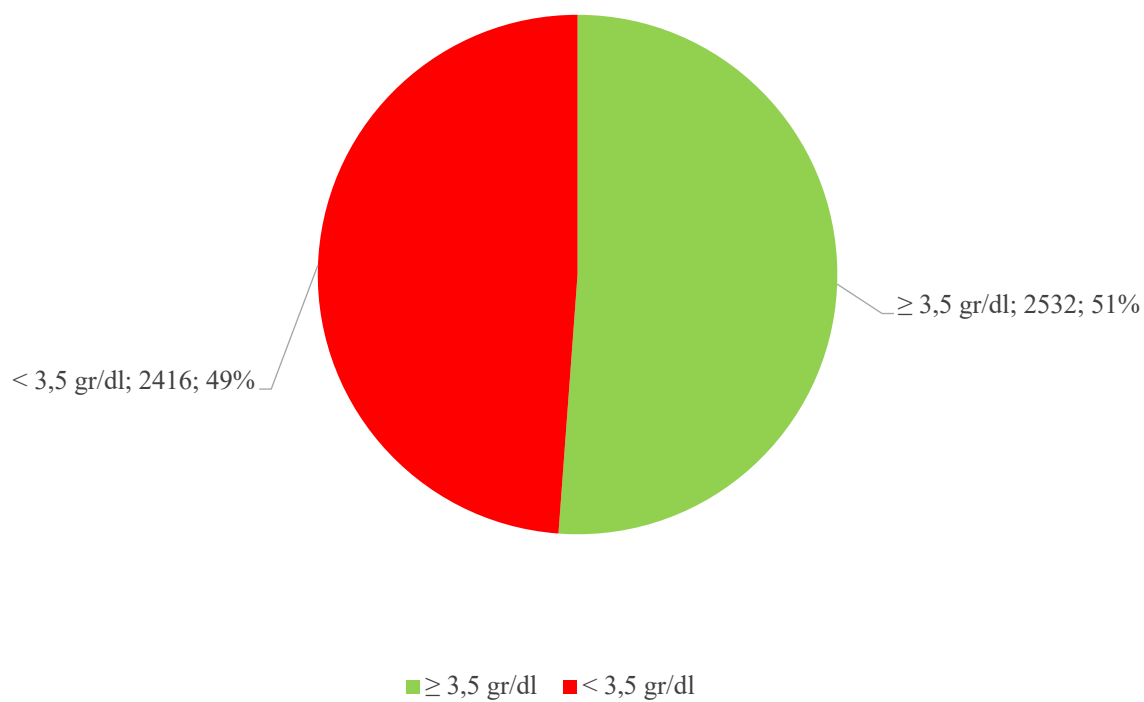
Percentage of Kt/V



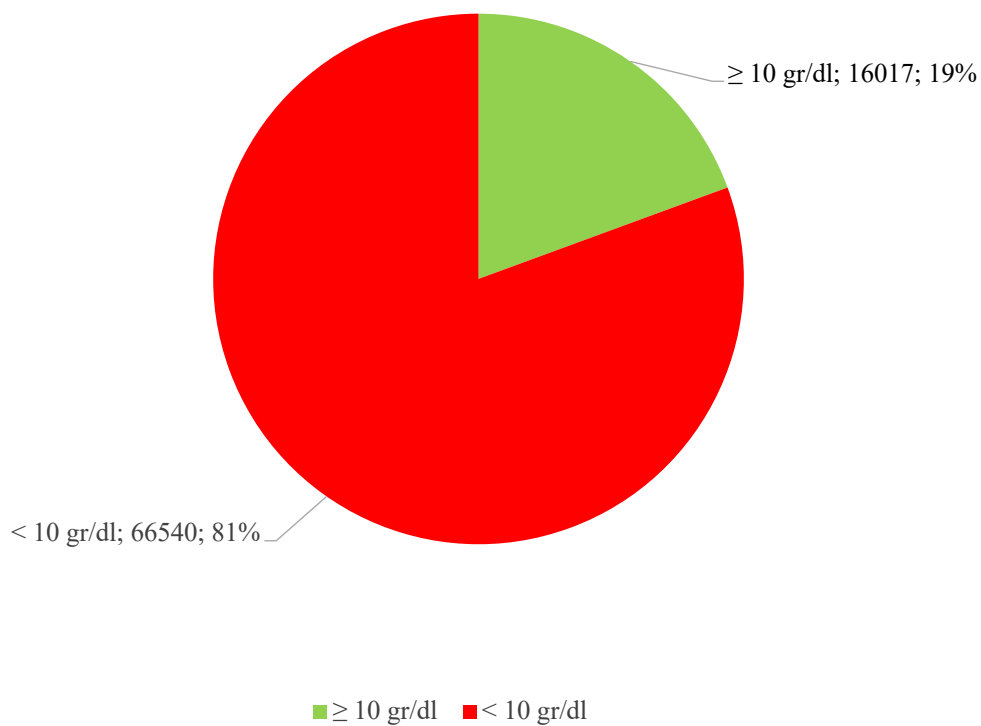
Percentage of Urea Reduction Ratio (URR)



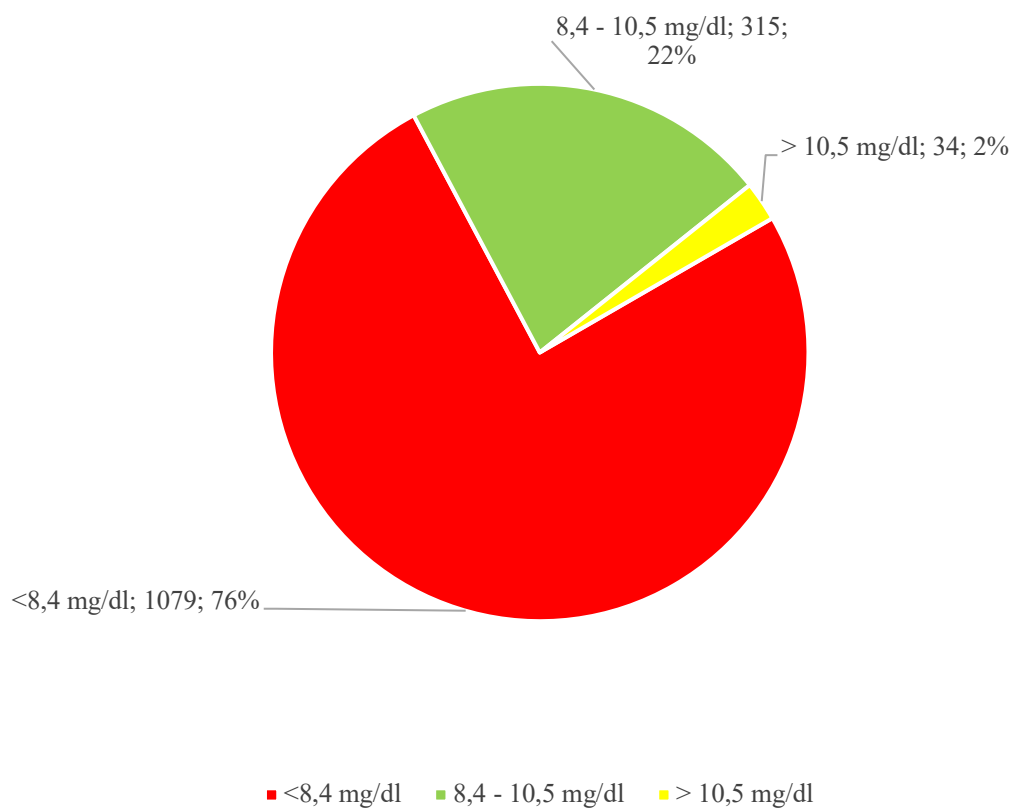
Serum Albumin Level



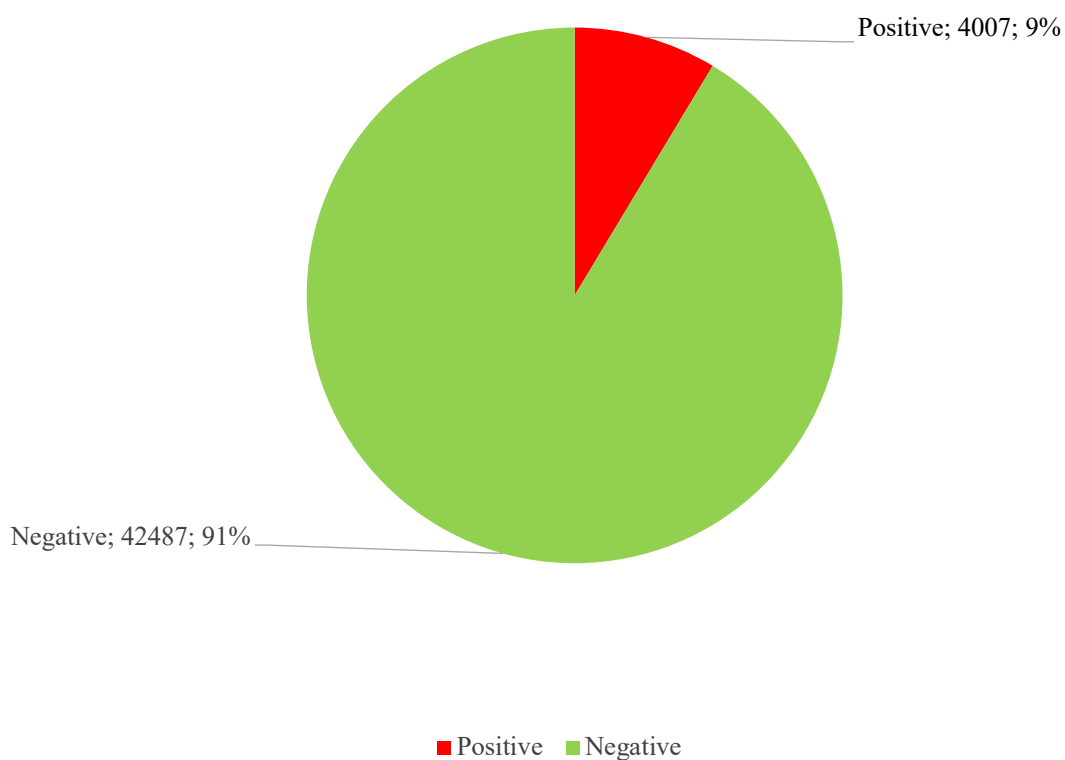
Hemoglobin Level



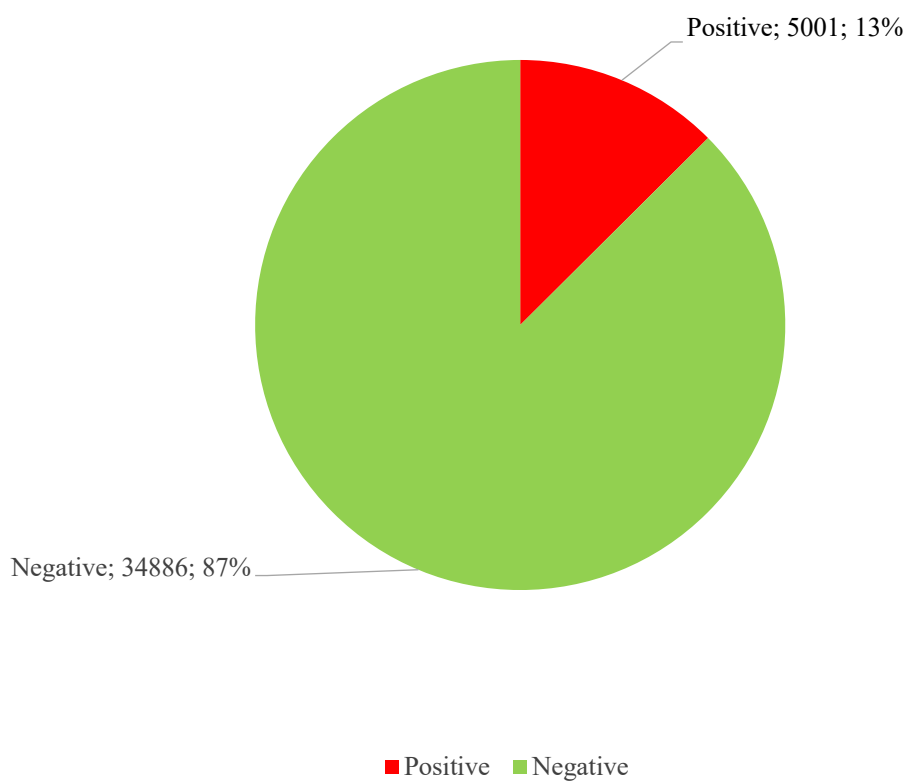
Total Calcium Level



Hepatitis B Serology



Hepatitis C Serology



HIV Serology

