



16TH

**ANNUAL
REPORT OF
INDONESIAN
RENAL
REGISTRY**

2023

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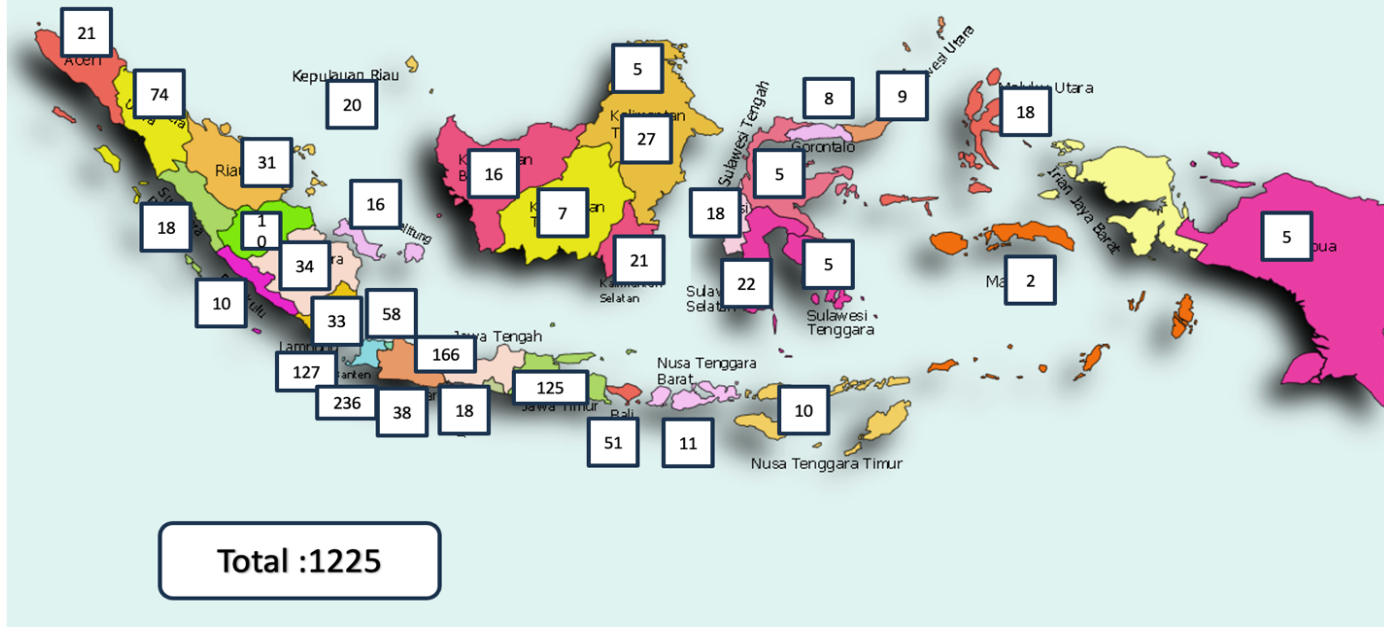
Website : www.indonesianrenalregistry.org

Renal Unit in Indonesia

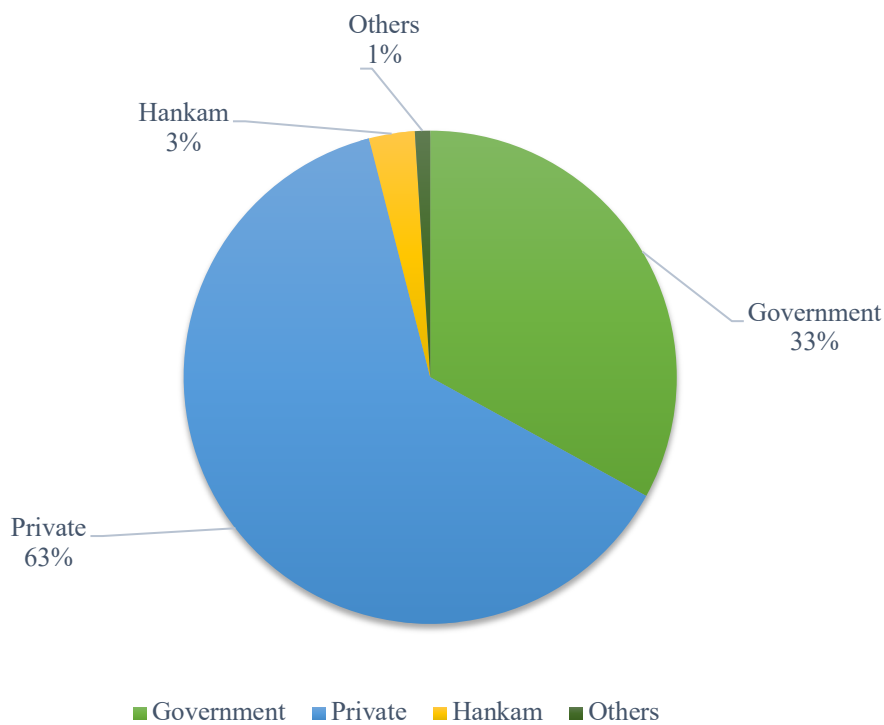
- Dialysis Units 2022: 1103
- Dialysis Units 2023: 1225

| Province | Renal Unit |
|-------------------------|------------|
| Nangroe Aceh Darussalam | 21 |
| Sumatra Utara | 74 |
| Sumatra Barat | 18 |
| Riau | 31 |
| Kepulauan Riau | 20 |
| Jambi | 12 |
| Bengkulu | 10 |
| Sumatera Selatan | 34 |
| Bangka Belitung | 16 |
| Lampung | 33 |
| Banten | 58 |
| Jawa Barat | 236 |
| DKI Jakarta | 127 |
| Jawa Tengah | 166 |
| DI. Yogyakarta | 38 |
| Jawa Timur | 125 |
| Bali | 51 |
| Nusa Tenggara Barat | 11 |
| Nusa Tenggara Timur | 10 |
| Kalimantan Barat | 19 |
| Kalimantan Tengah | 7 |
| Kalimantan Selatan | 21 |
| Kalimantan Timur | 23 |
| Kalimantan Utara | 5 |
| Gorontalo | 8 |
| Sulawesi Tengah | 5 |
| Sulawesi Tenggara | 3 |
| Sulawesi Selatan | 24 |
| Sulawesi Utara | 9 |
| Maluku | 5 |
| Papua | 5 |

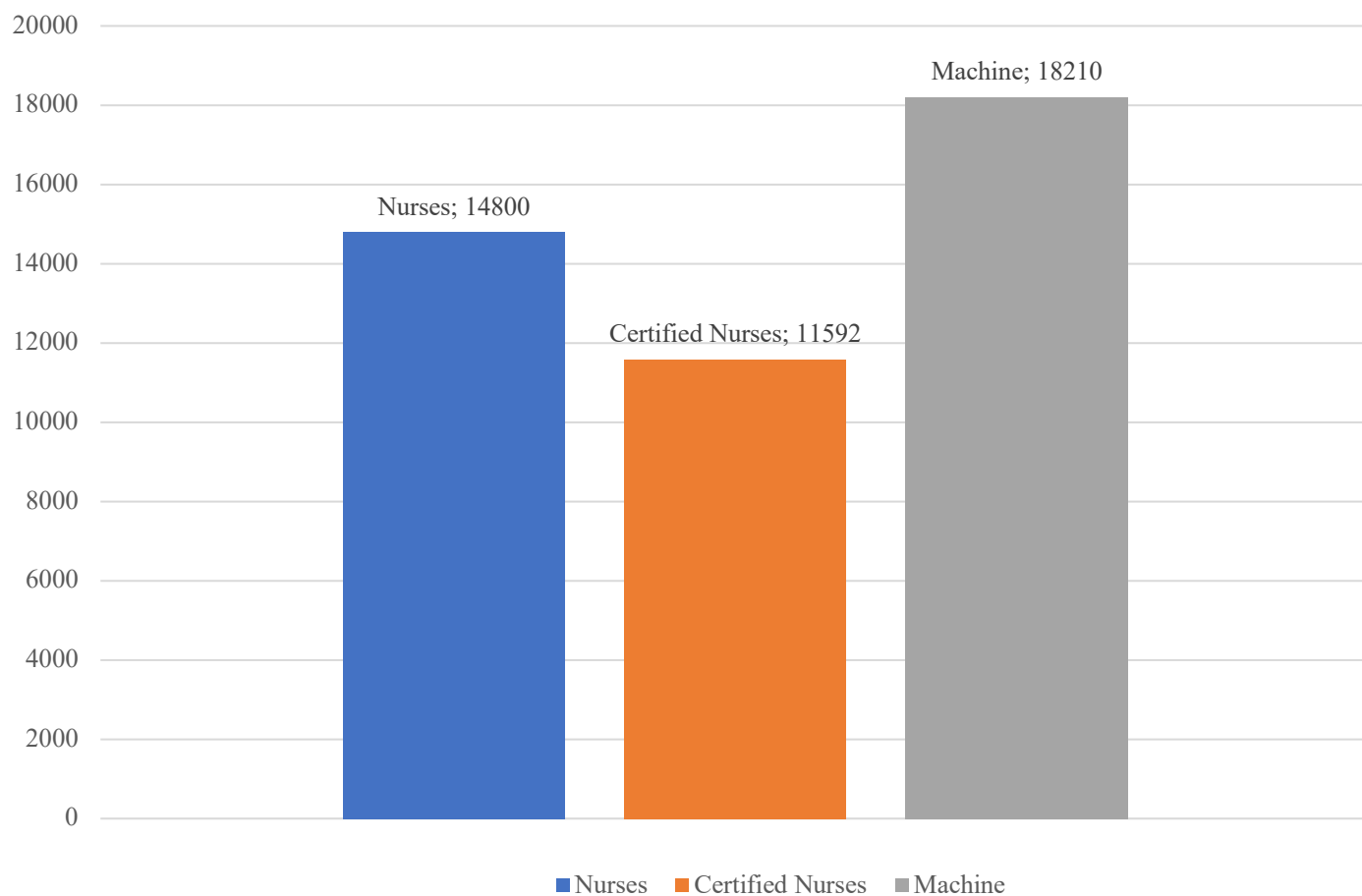
Indonesia Map



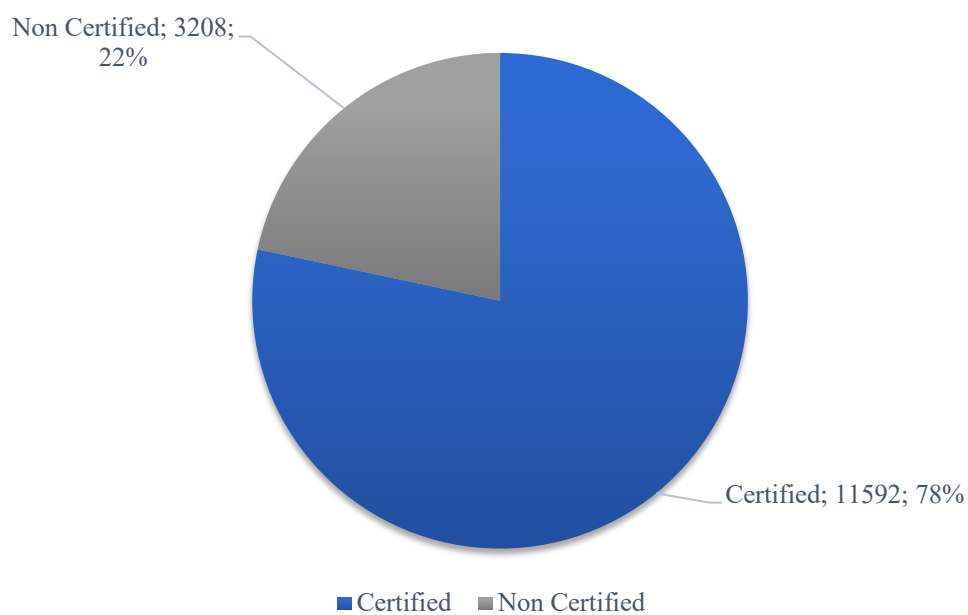
Number of Renal Units by Institutional Type in Indonesia in 2023



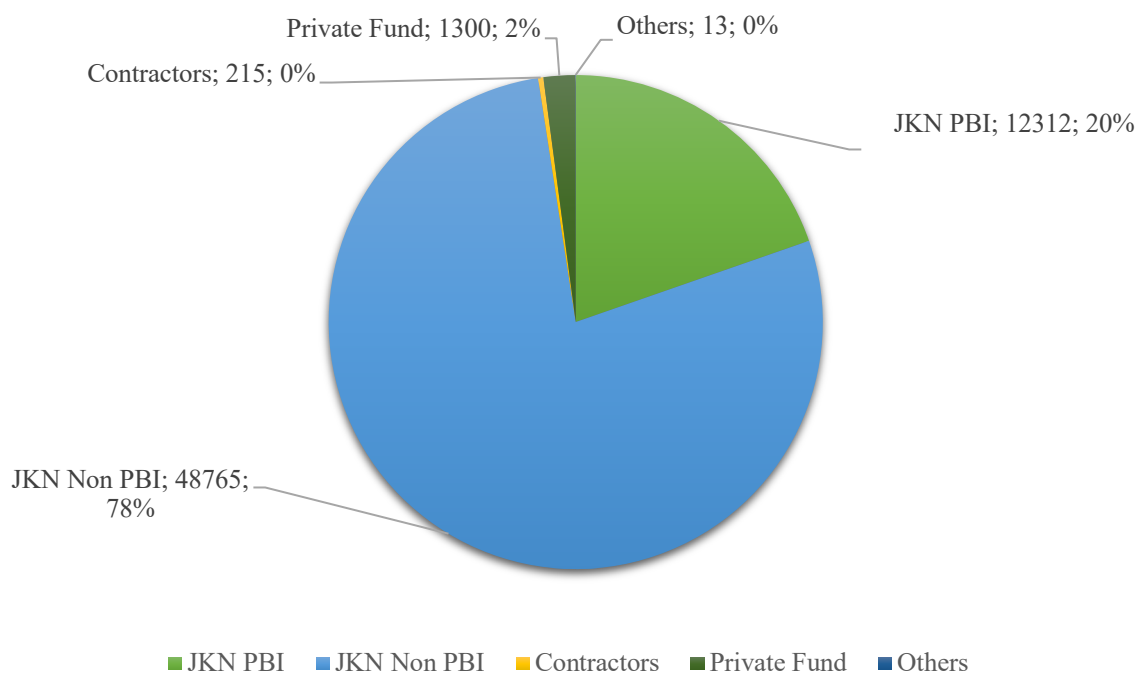
Number of HD Nurses and Number of Machines in 2023



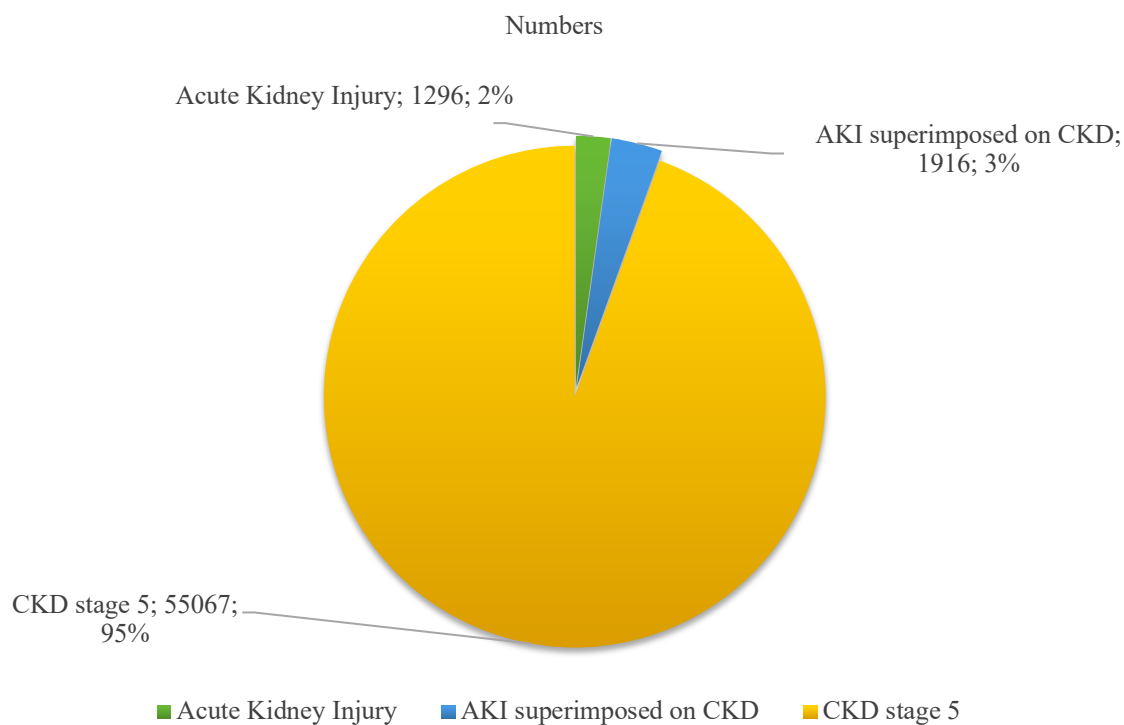
Number of HD Nurses in Indonesia and percentage of certified nurses in 2023



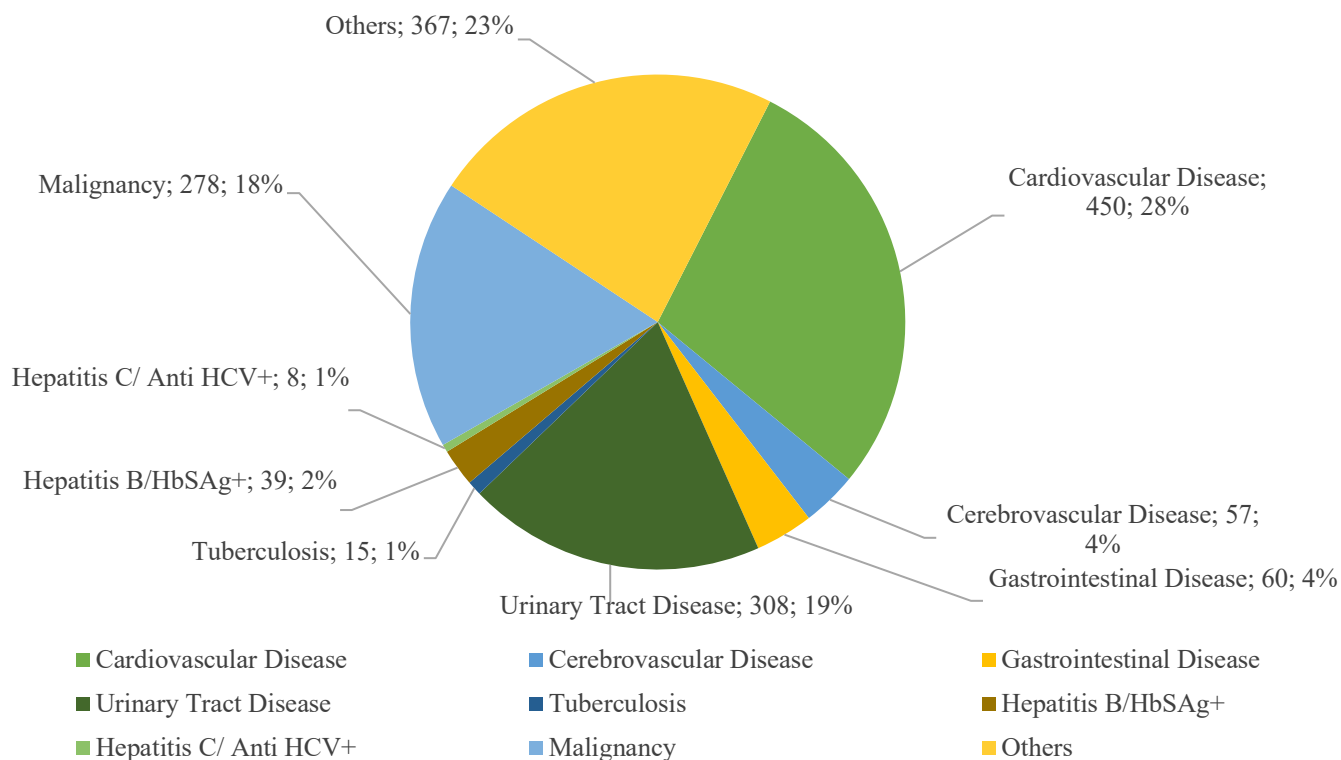
Dialysis Patient Funding in 2023



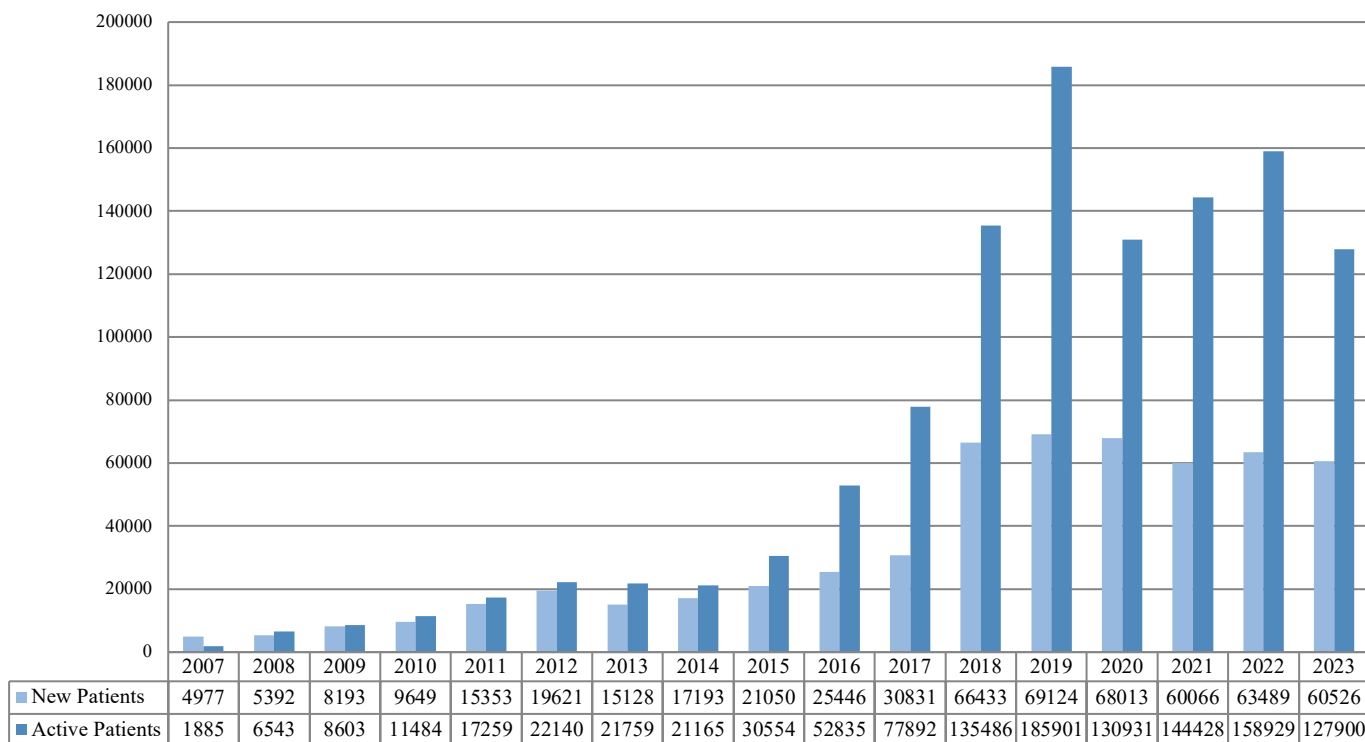
Proportion of New Diagnosed Patients Receiving Dialysis in 2022



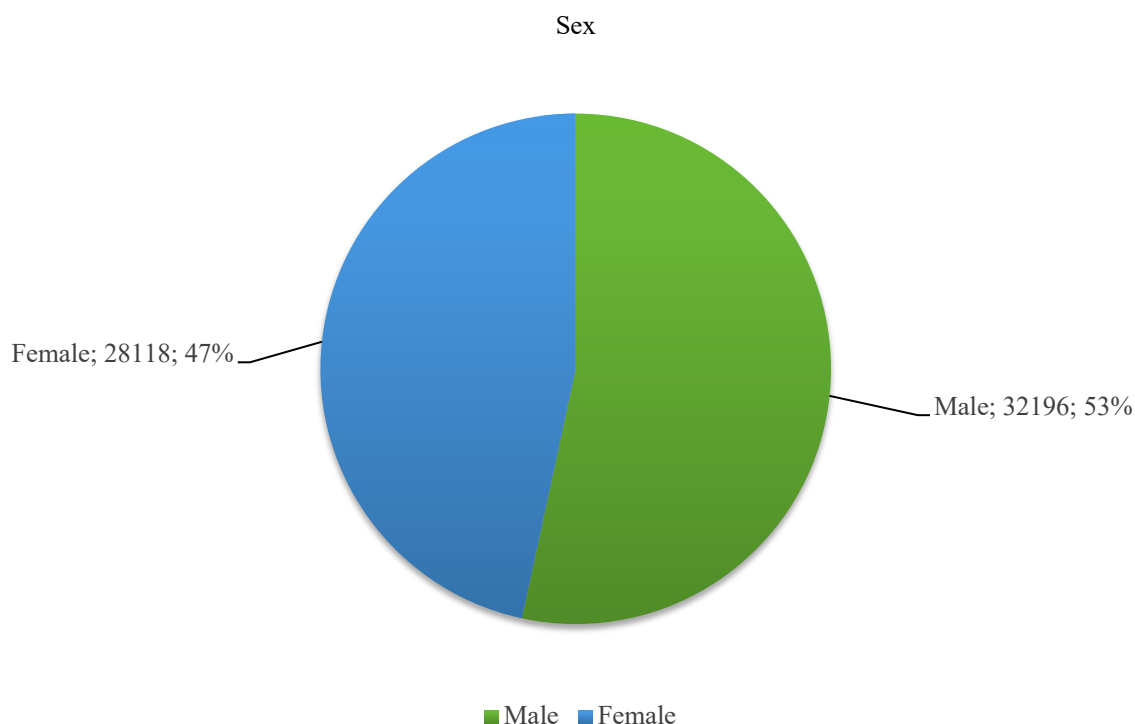
Distribution of Acute on Chronic Kidney Disease Stage 5 (CKD Stage 5) Patients According to Comorbid Conditions in Indonesia



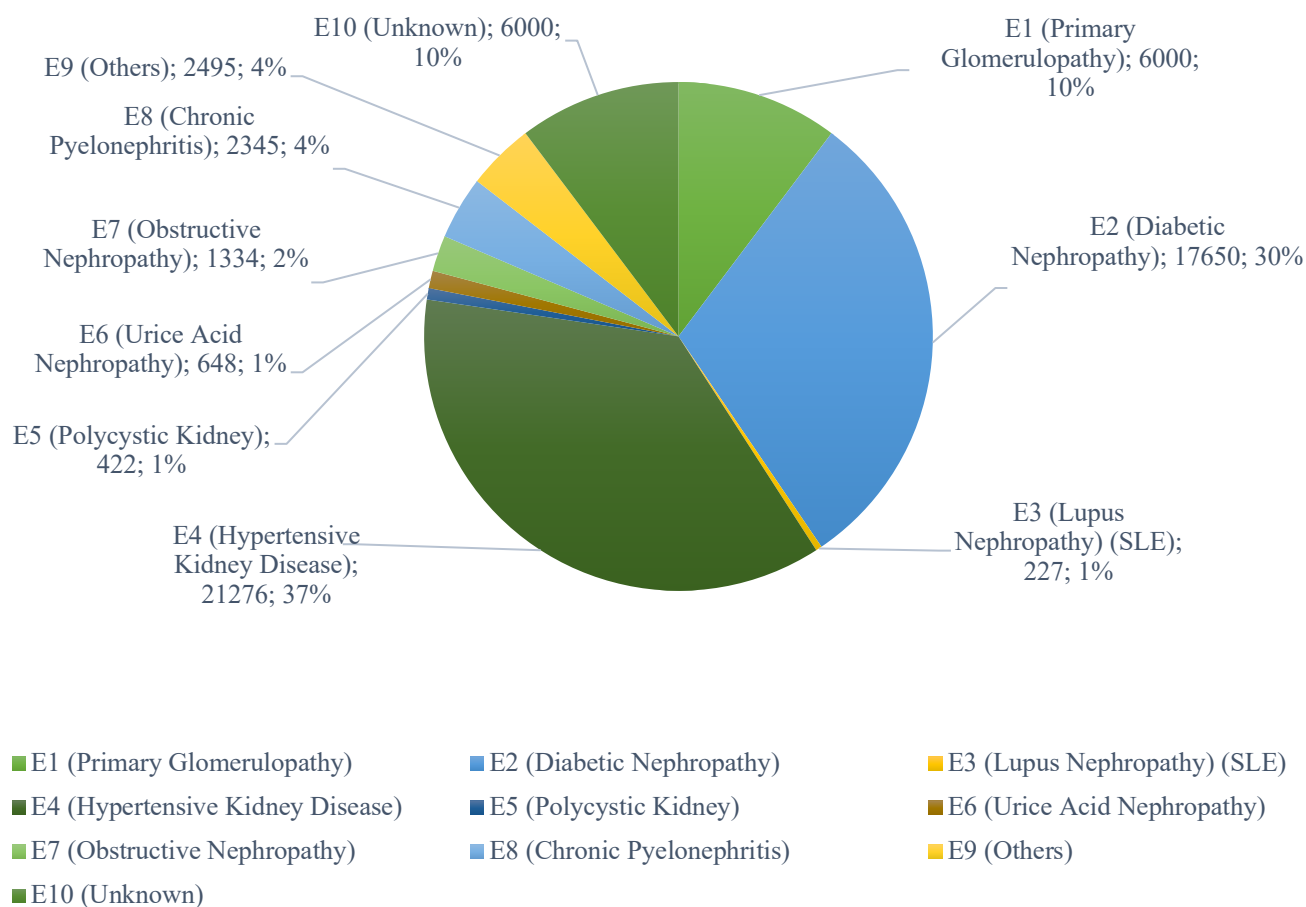
Number of New and Active Patients with CKD Stage 5



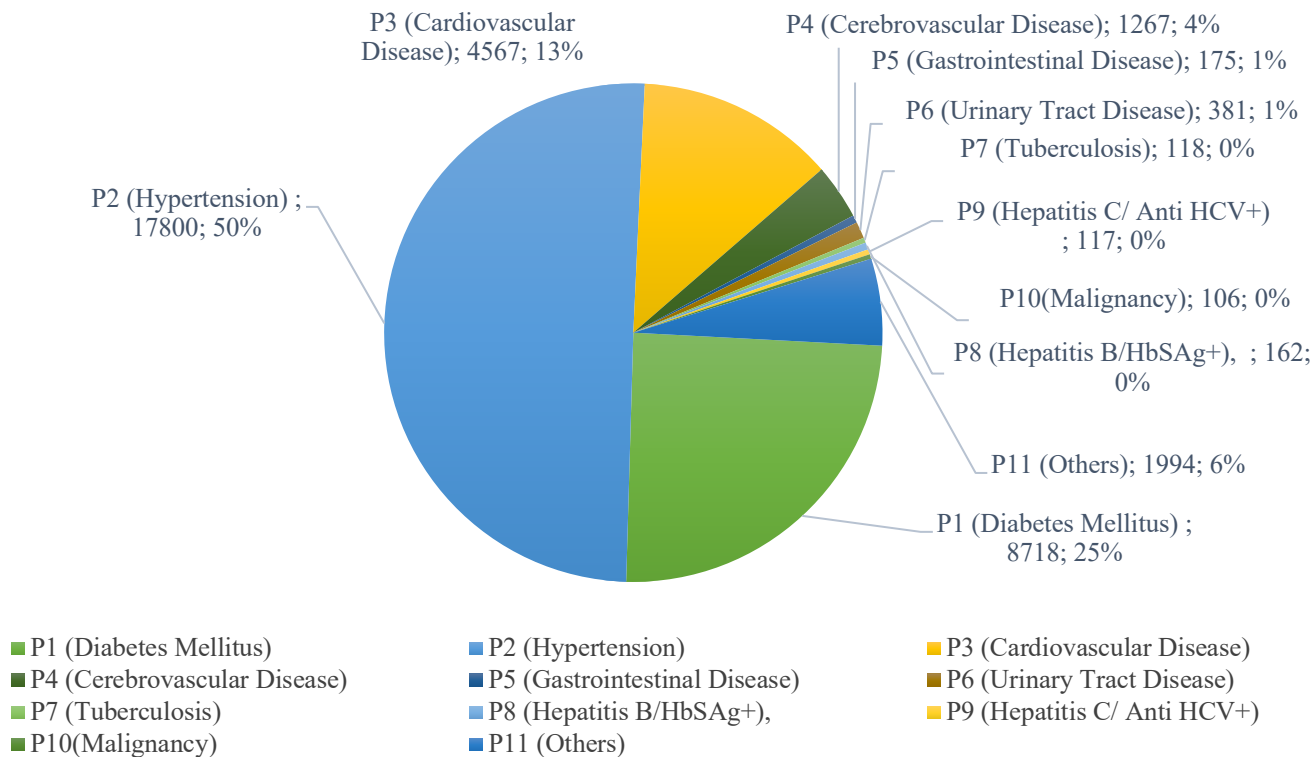
New Patients by Gender in 2023



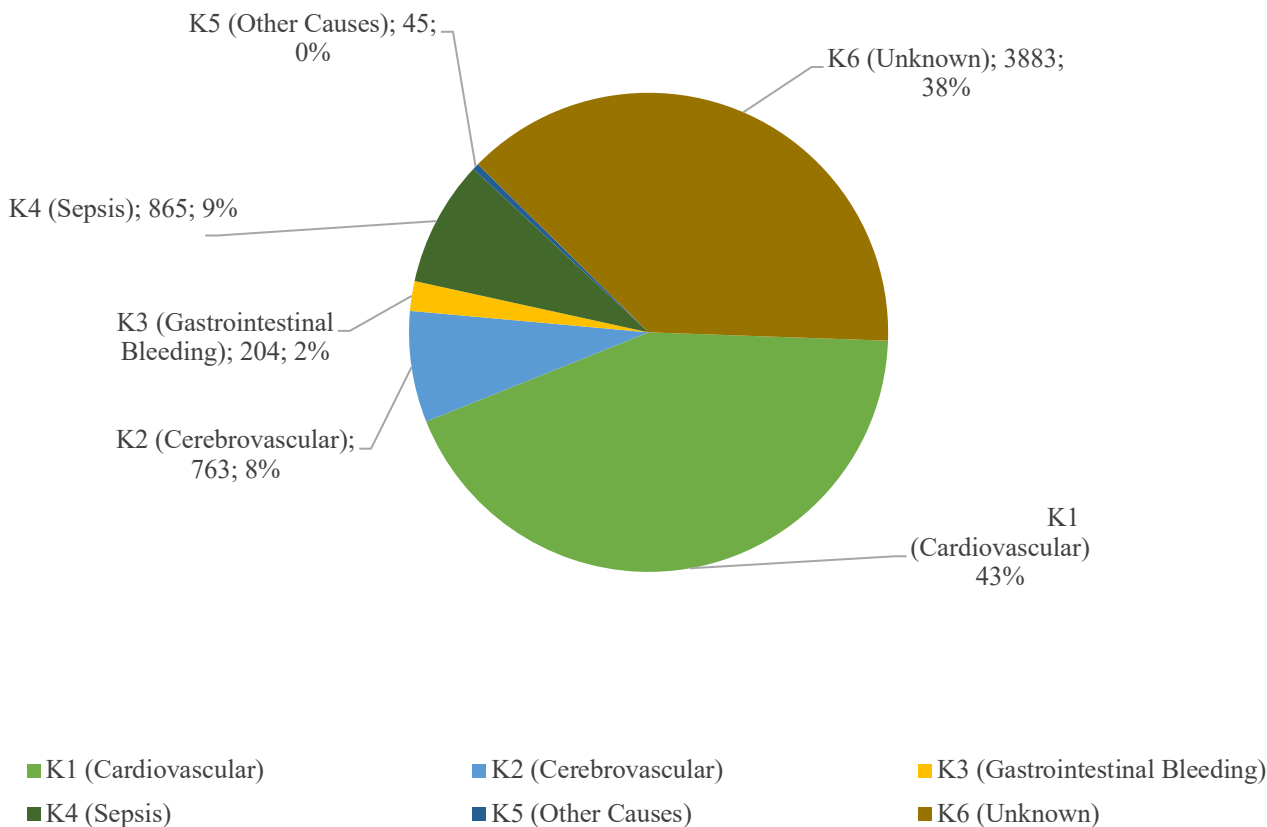
Distribution of CKD Stage 5 (N18.1) Patients According to Etiology in Indonesia



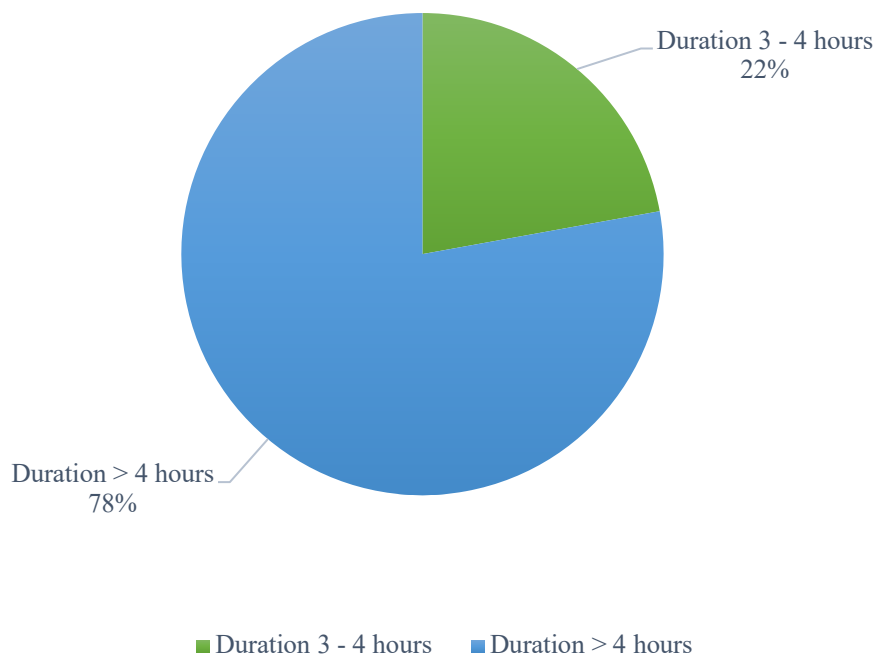
Number of Chronic Kidney Disease Stage 5 (CKD Stage 5, N18) Patients by Comorbidities in Indonesia



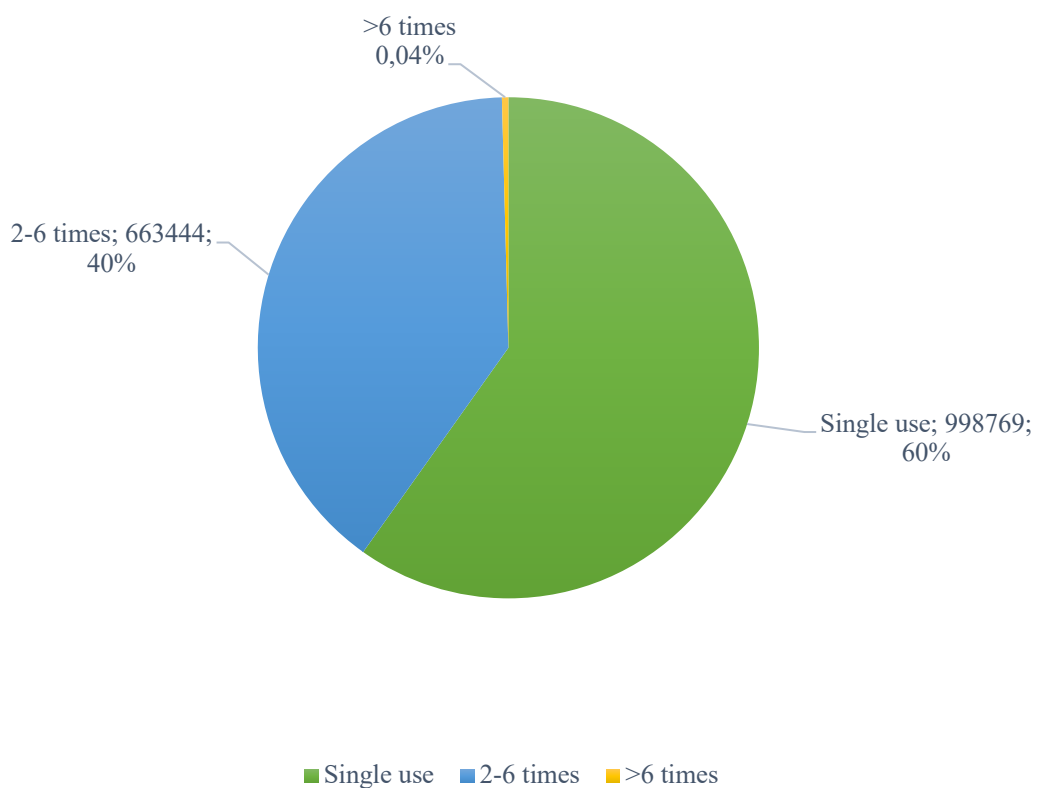
Causes of Death Among Hemodialysis Patients in Indonesia, 2023



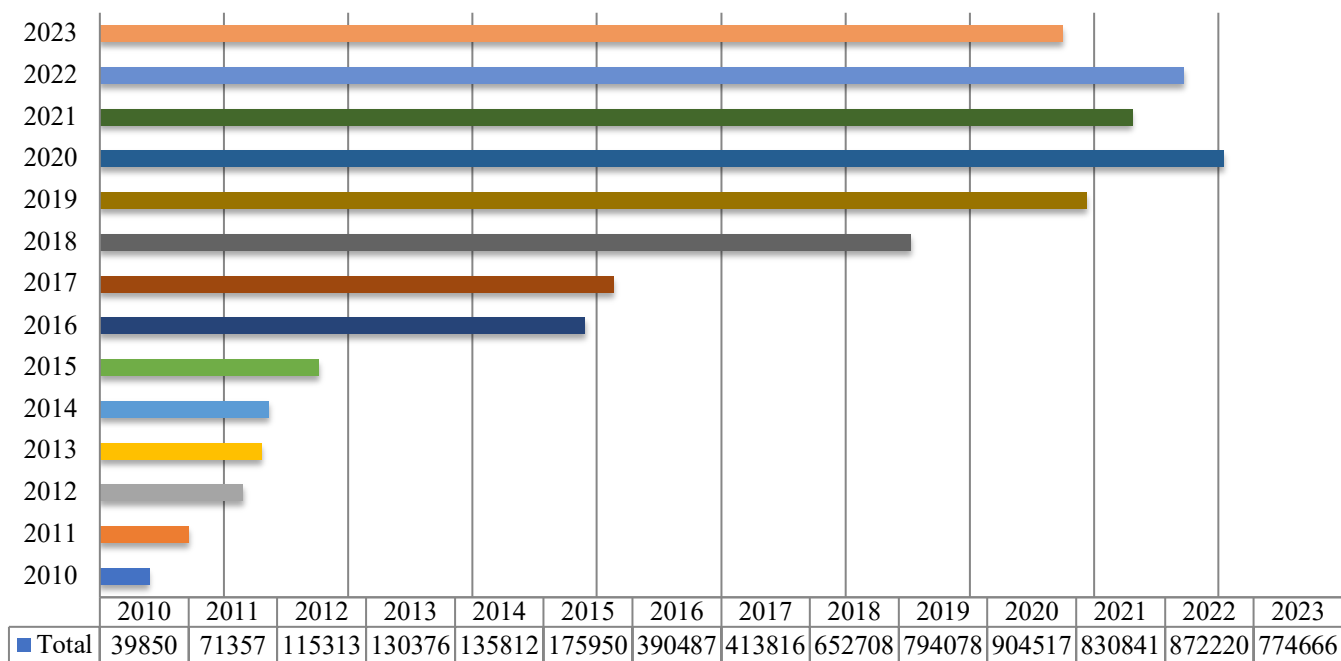
Distribution of Hemodialysis Procedures According to Duration in Indonesia, 2023



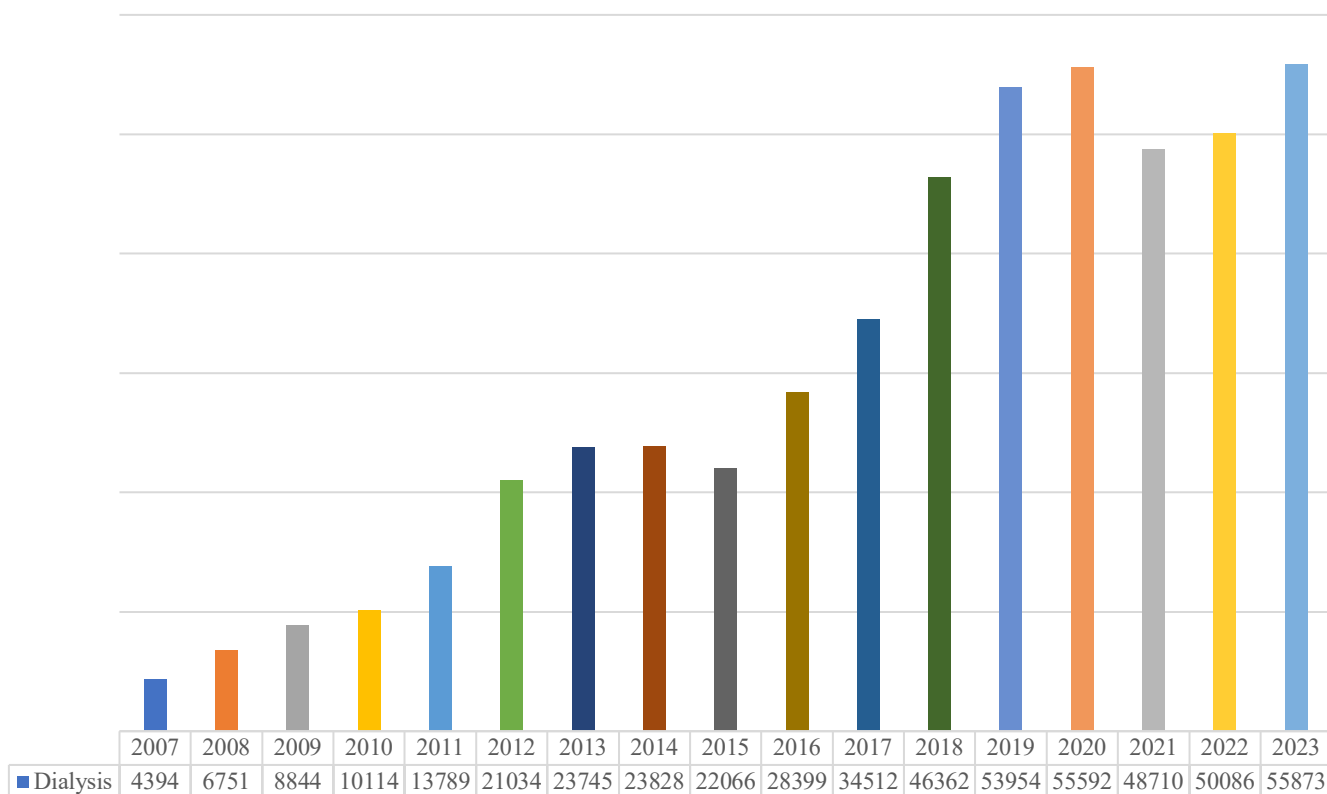
Utilization of Dialyzer Reuse in 2023



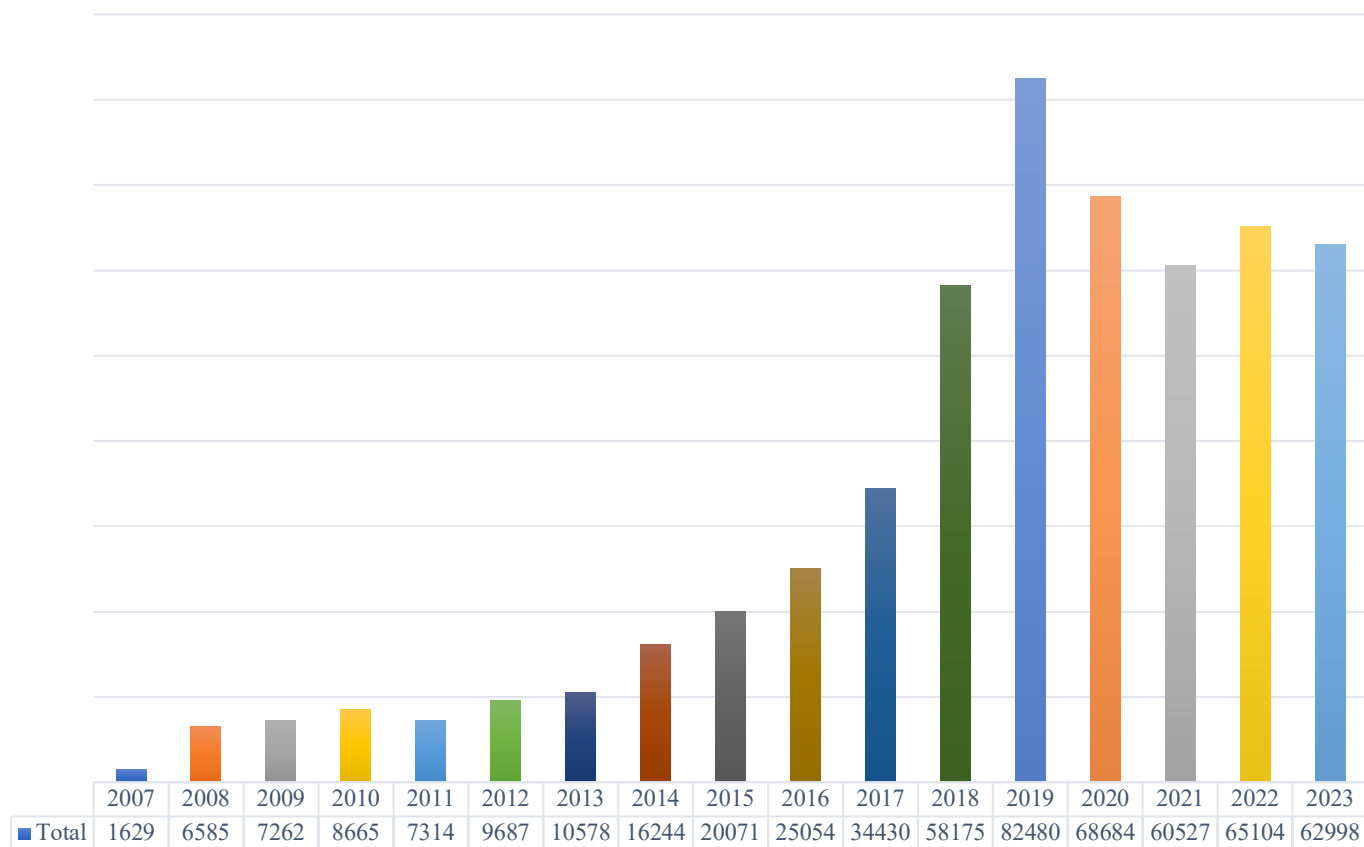
Erythropoietin Treatment Program Among Hemodialysis Patients in Indonesia



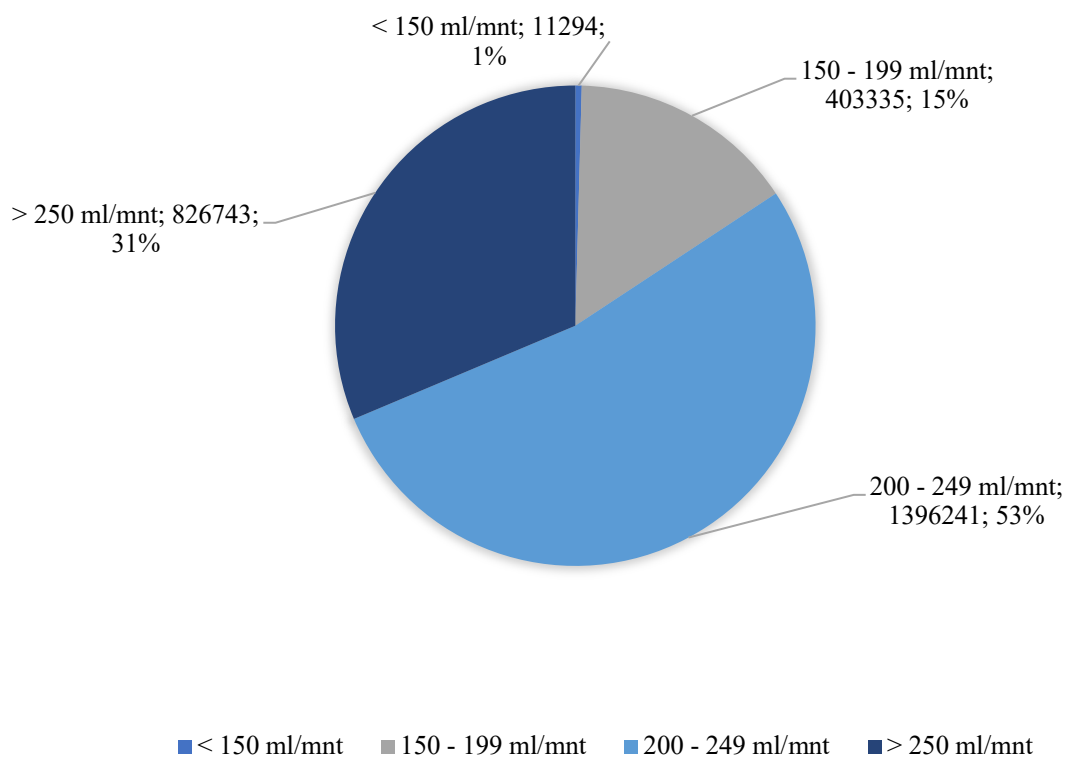
Yearly Number of Blood Transfusions Among Hemodialysis Patients in Indonesia up to 2023



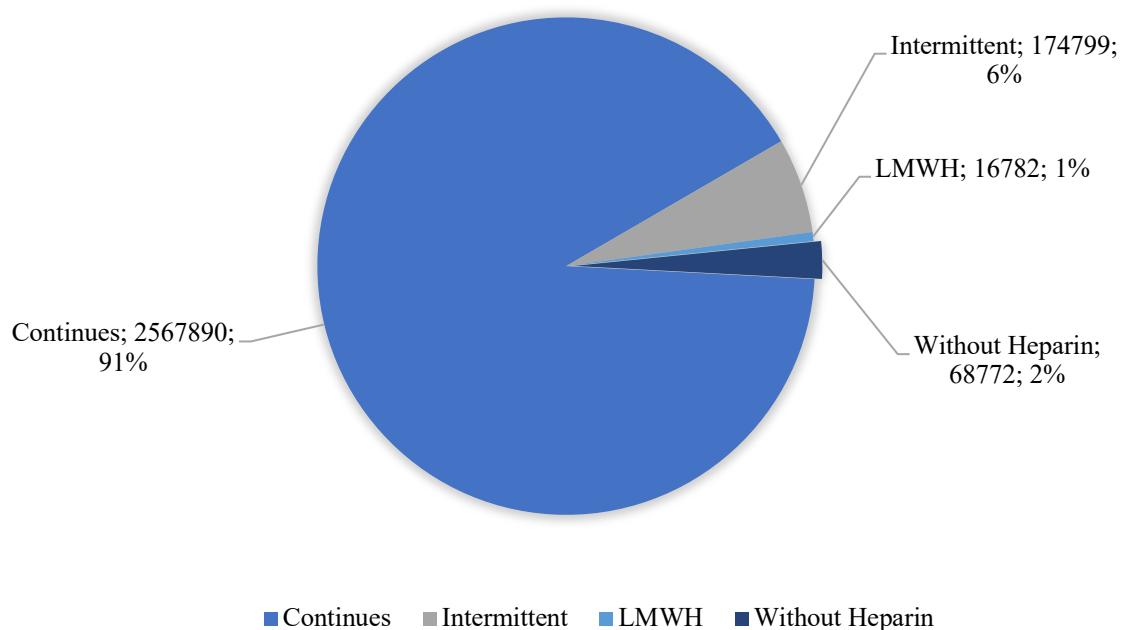
Number of Intradialytic Iron Supplement Administrations up to 2022



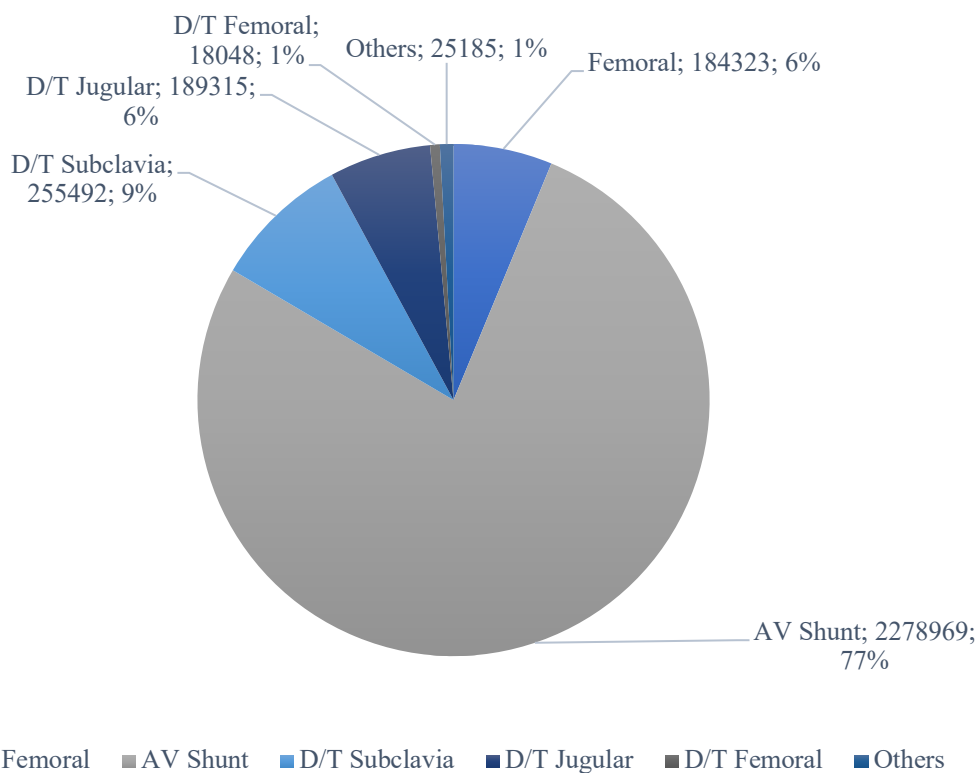
Distribution of Hemodialysis Sessions According to Blood Flow Rate (Q_b) in 2023



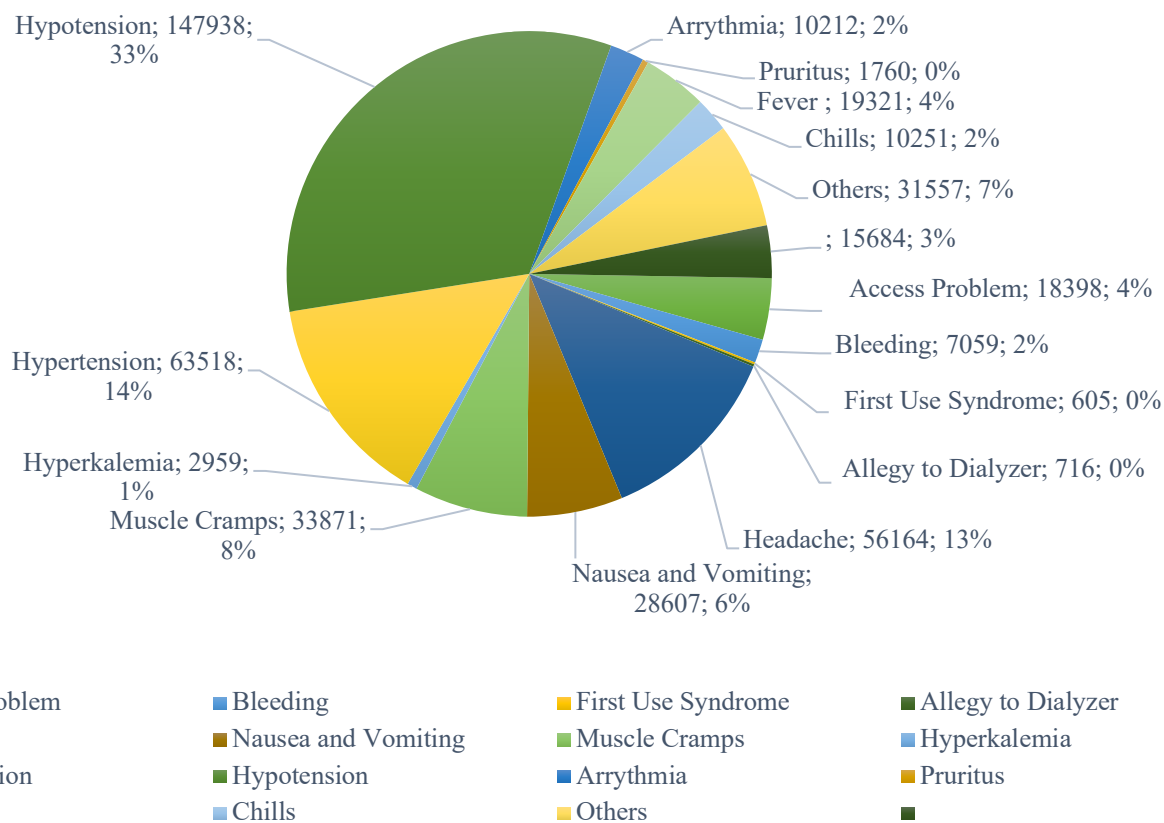
Distribution of Anticoagulant Use in Hemodialysis Procedures, Indonesia 2023



Proportion of Hemodialysis Procedures Based on Vascular Access in Indonesia, 2023

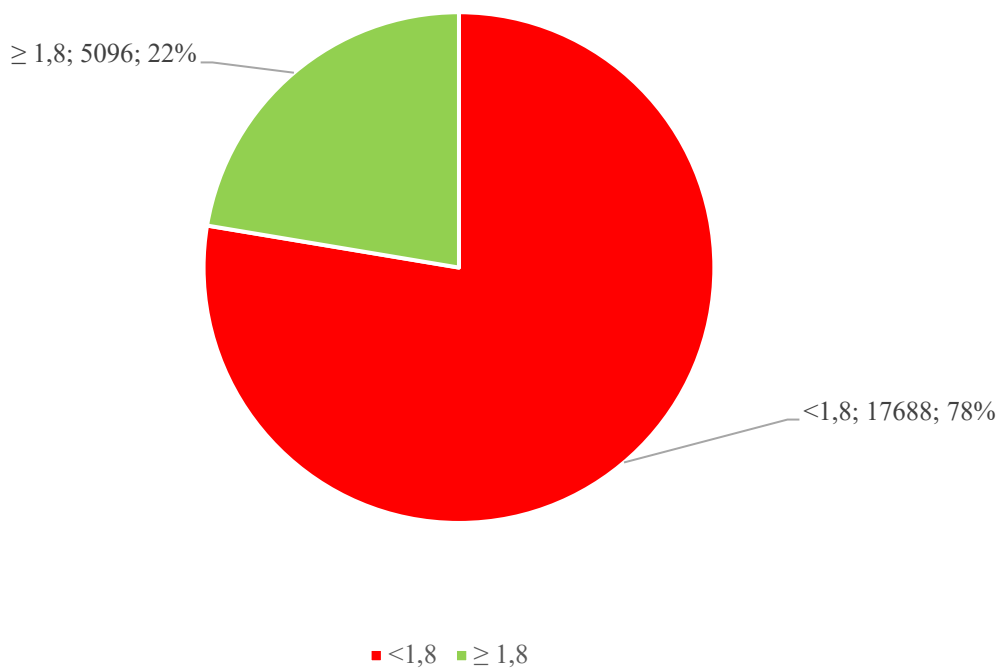


Proportion of Adverse Events During Hemodialysis in Indonesia 2023



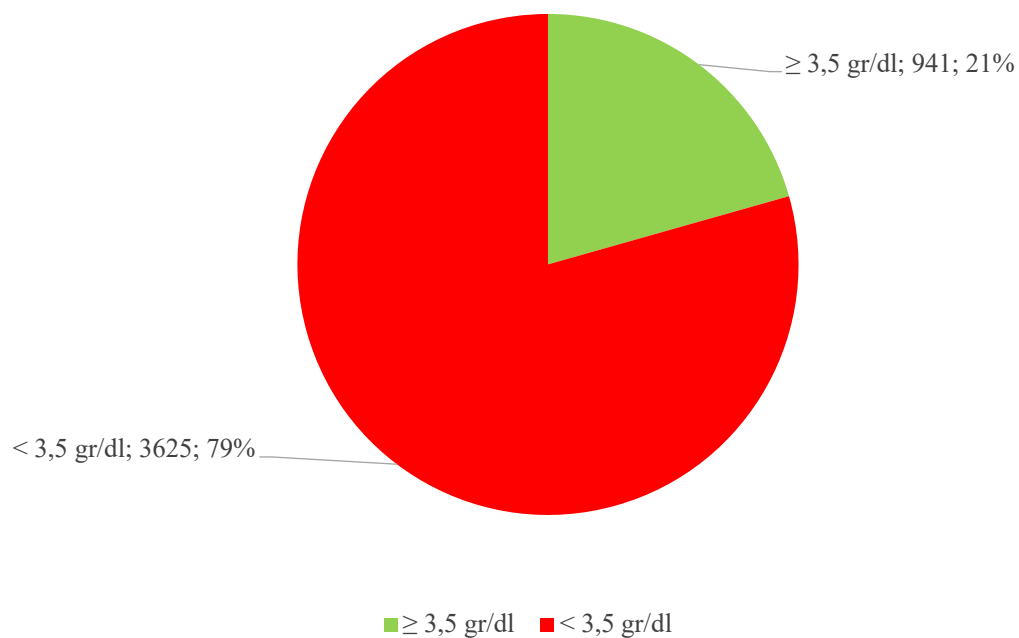
Laboratory Findings of Hemodialysis Patients in Indonesia

Percentage of Kt/V

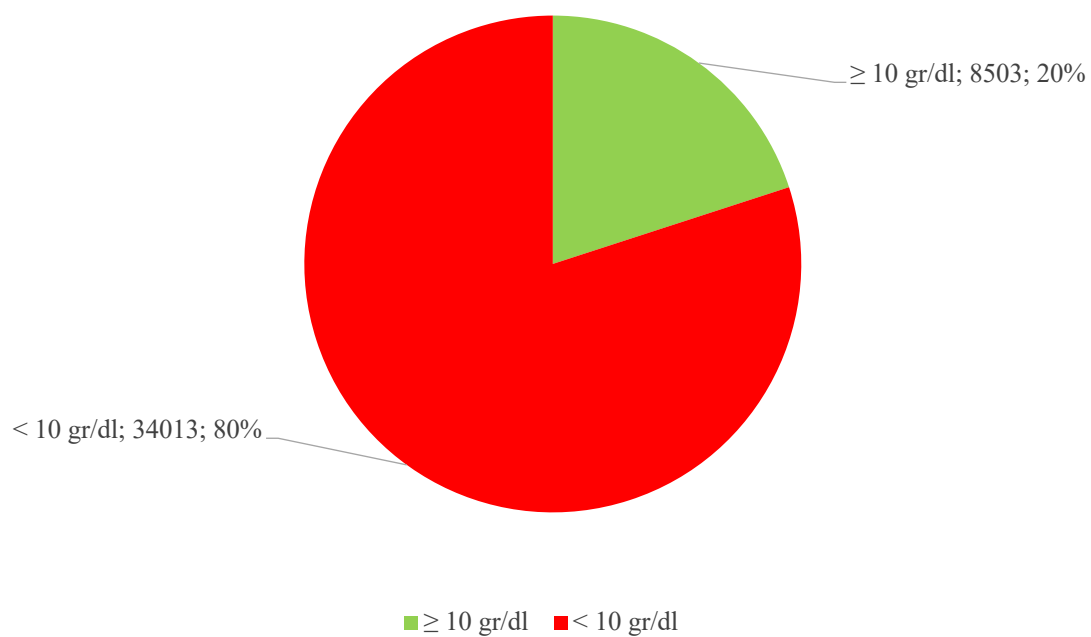


Percentage of Urea Reduction Ratio (URR)

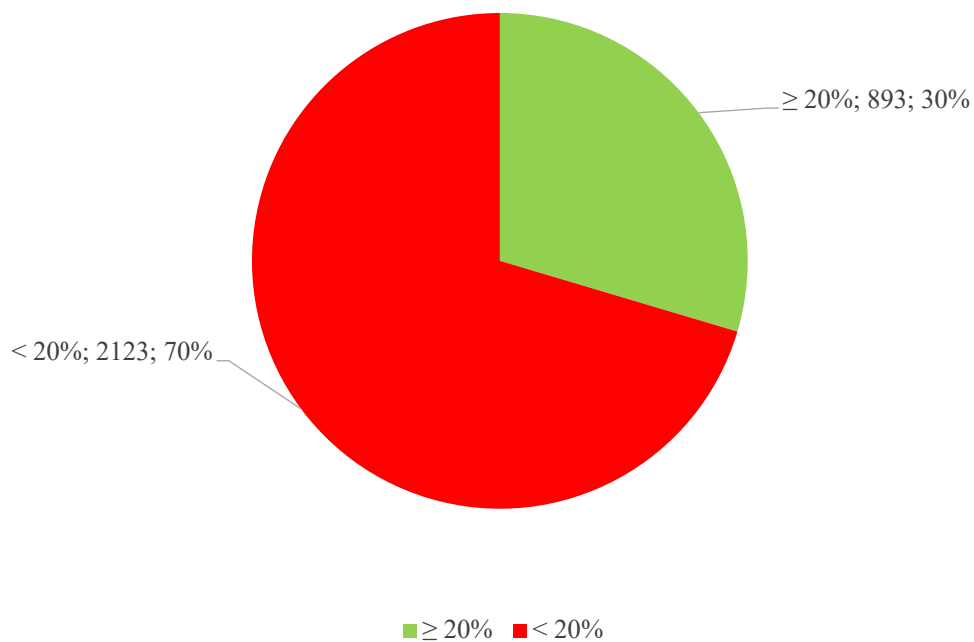
Serum Albumin Level



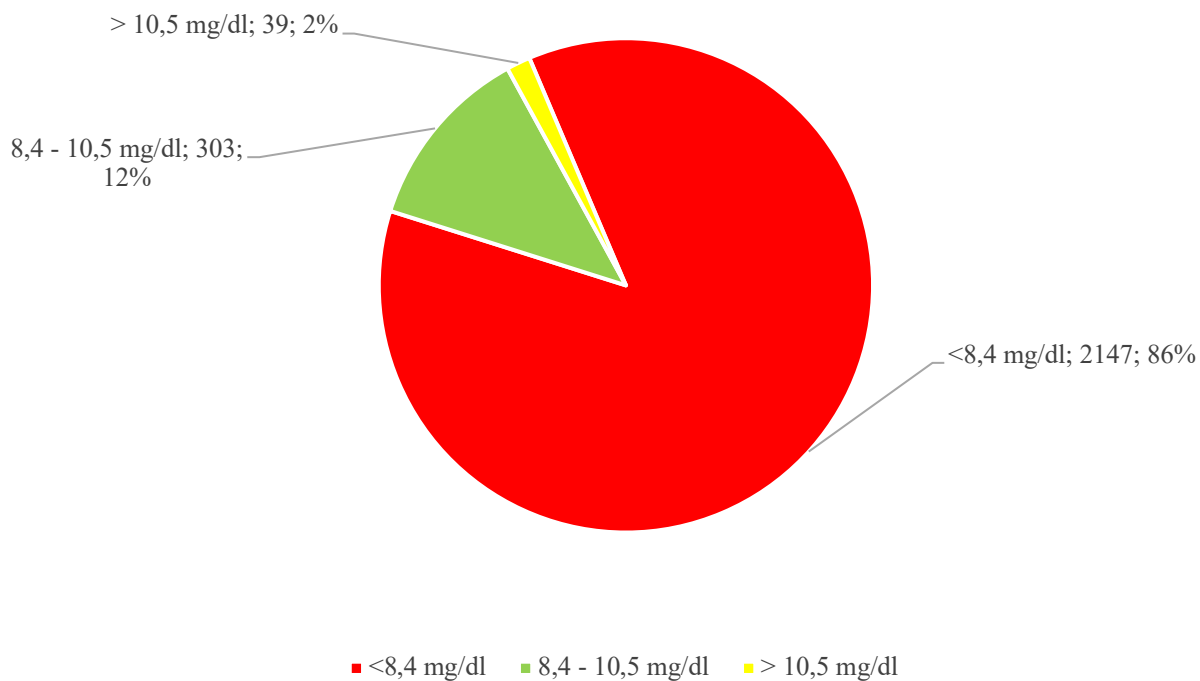
Hemoglobin Level



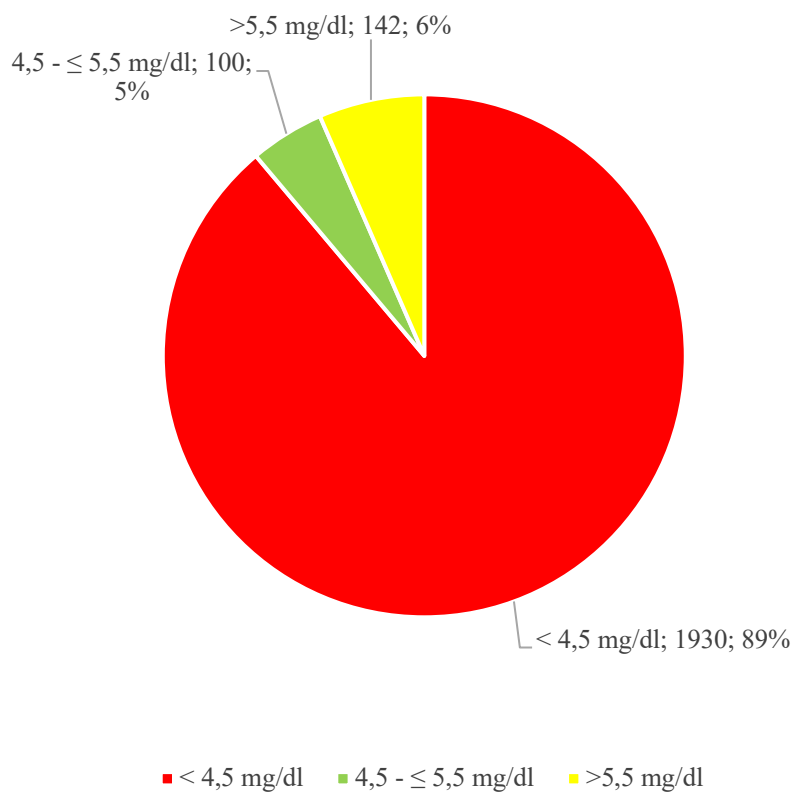
Percentage of Transferrin Saturation 2023



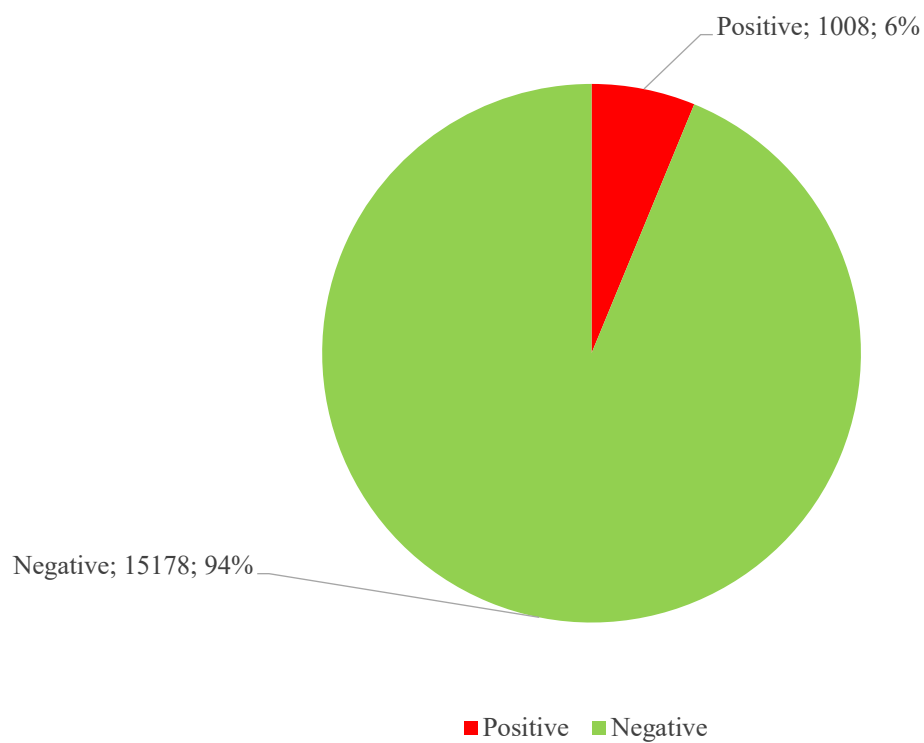
Total Calcium Level



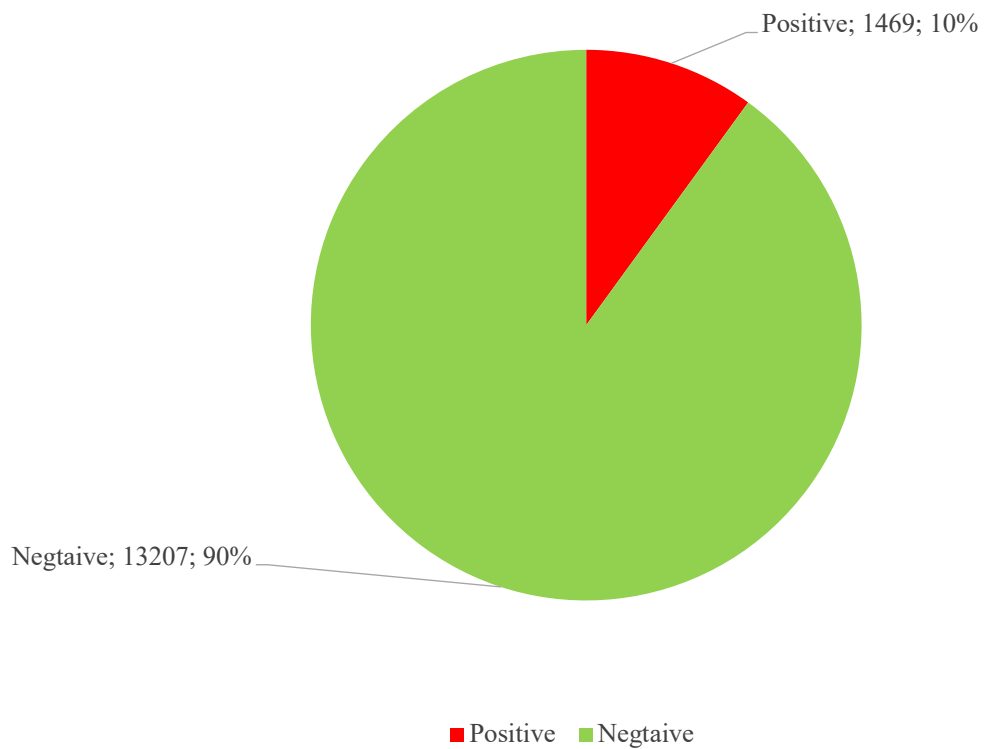
Serum Phosphate



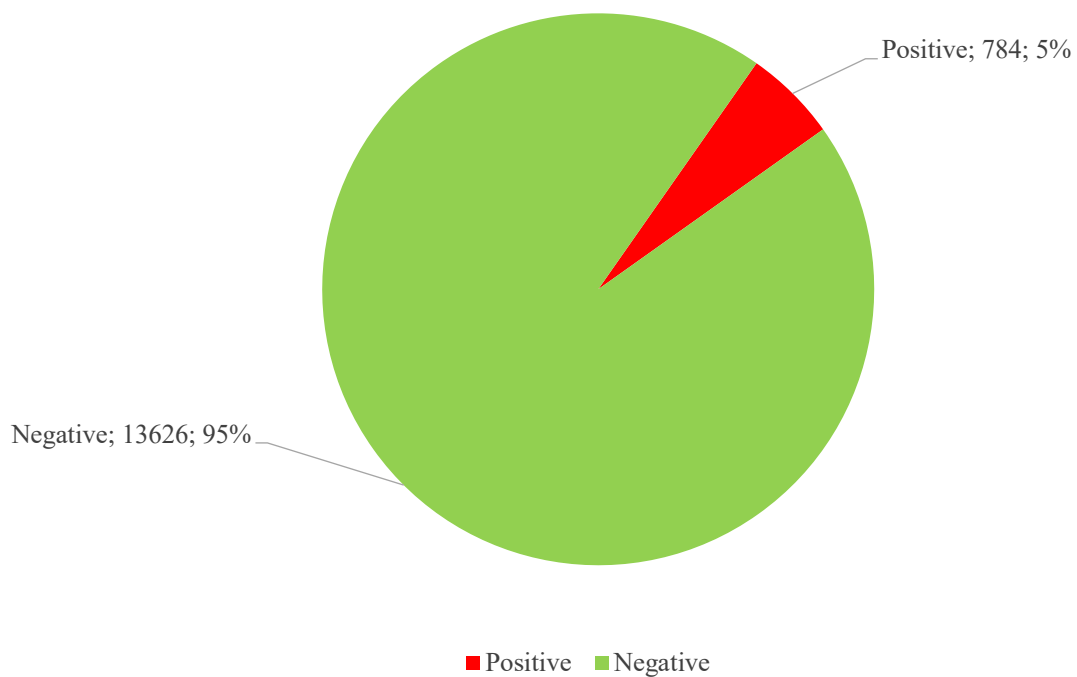
Hepatitis B Serology



Hepatitis C Serology

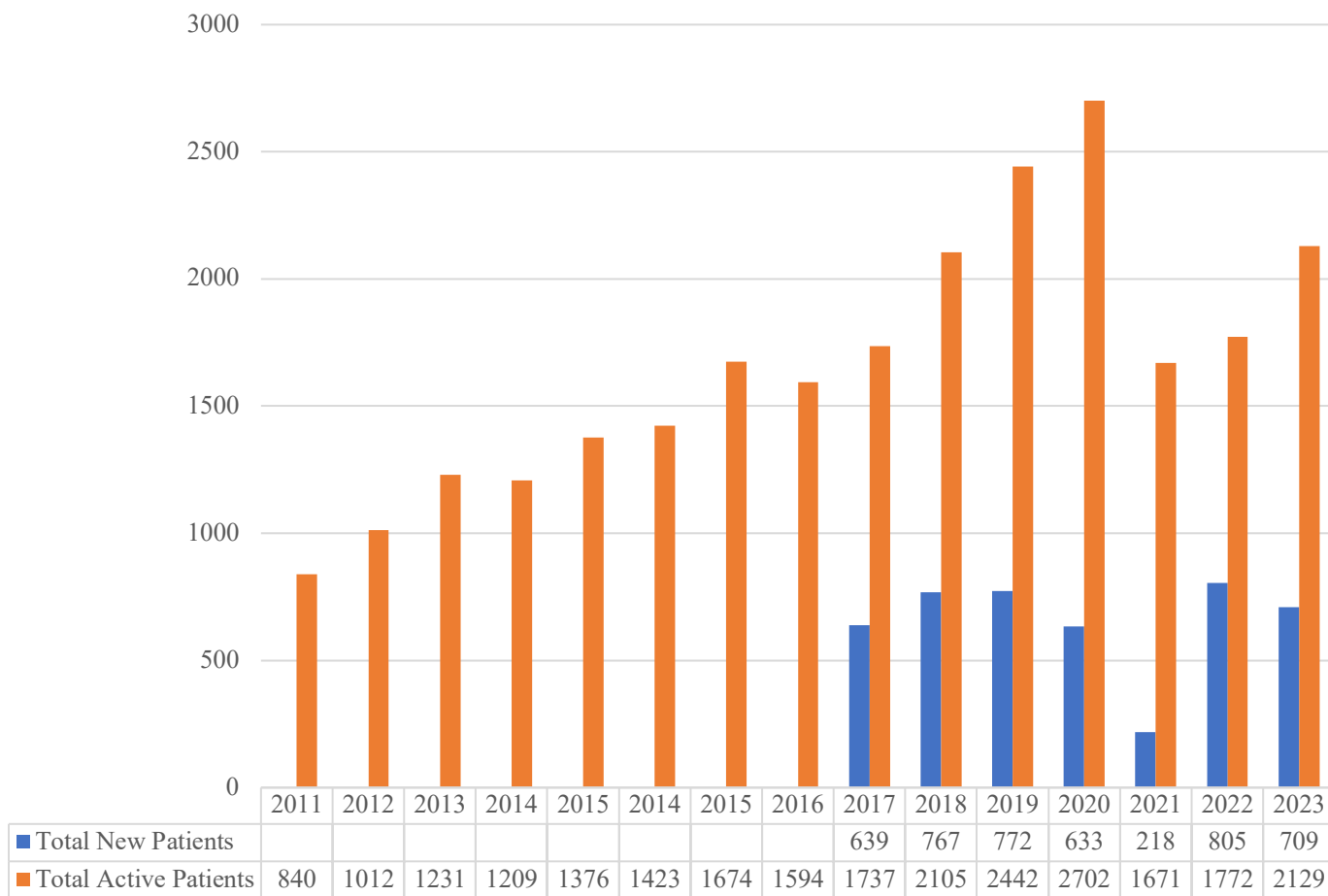


HIV Serology

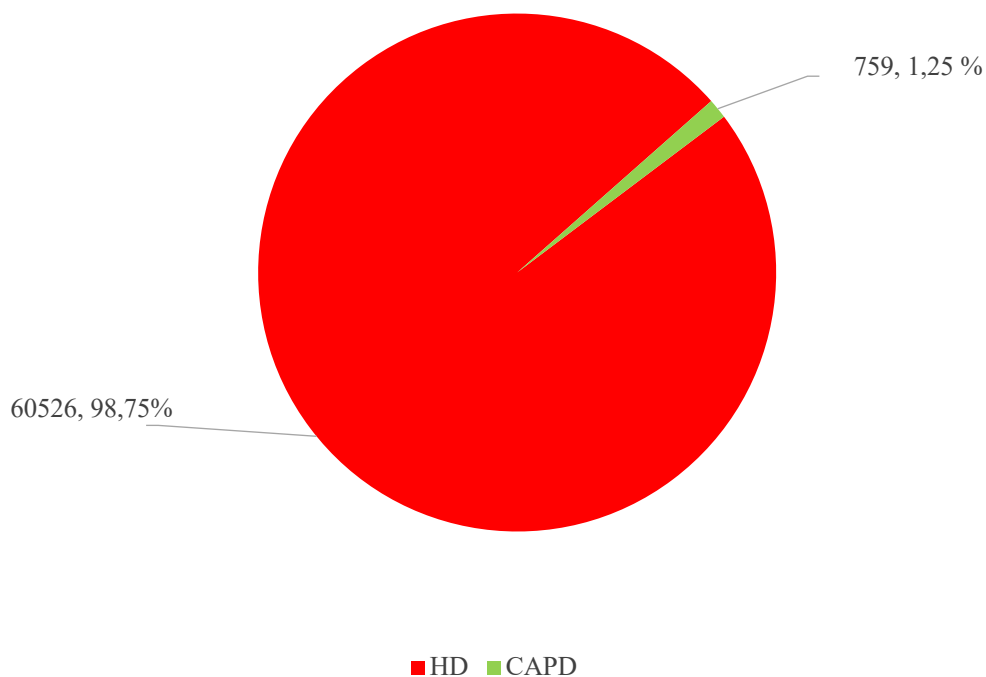


Continuous Ambulatory Peritoneal Dialysis (CAPD)

Number of CAPD Patients in Indonesia, 2023



New CAPD Patients



Active CAPD Patients in 2023

