

2019 ERDS

Egyptian Renal Data System

2nd Annual Report
of End Stage Renal
Disease in Egypt
(2019)



The Egyptian Society Of
Nephrology & Transplantation

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Abbreviations

AVF	Arteriovenous Fistula	HBV	Hepatitis B Virus
Cath	Catheter	HD	Hemodialysis
CKD	Chronic Kidney Disease	HCV	Hepatitis C Virus
CNE	Continuous Nephrology Education	IDH	Intradialytic Hypotension
CVD	Cardiovascular Disease	LMWH	Low Molecular Weight Heparin
DM	Diabetes Mellitus	SLE	Systemic Lupus Erythematosus
ERDS	Egyptian Renal Data Registry	TB	Tuberculosis
ESNT	Egyptian Society of Nephrology and Transplantation	TSAT	Transferrin Saturation
ESRD	End Stage Renal Disease	Tx	Transplantation
GN	Glomerulonephritis	UFH	Unfractionated Heparin

Egyptian Society of Nephrology and Transplantation (ESNT)



- ESNT is a non-profit organization.
- Its website: <http://www.esnt-online.com>.
- ESNT activities are summarized as follows:
 - Annual conference including national and international speakers. Website: <https://esntcongress.org>
 - Conferences of different chapters (Dialysis, CKD, Transplantation, Stem cells etc.)
 - Virtual Academy (see next).
 - Online frequent webinars for nephrology subspecialties.
 - Outreach educational programs to different Egyptian cities.
 - Journal of the ESNT (see next).
 - Egyptian best practice guidelines.
 - Annual Egyptian Renal Data Registry (ERDS).

Electronic Nephrology Education: ESNT Virtual Academy

- The ESNT CNE web page is <http://lms.mans.edu.eg/esnt>
- It is dedicated to display ESNT various CNE activities.
- It is dynamically changing and full of educational material and lectures for Nephrologists.
- It contains an index where you can search for ppt or a video for a specific topic or a specific lecturer by name.

Journal of the Egyptian Society of Nephrology and Transplantation



- It is the ESNT official journal: <http://www.jesnt.eg.net>
- It is a peer-reviewed online journal with quarterly print on demand compilation of important issues.

2019 ERDS

Egyptian Renal Data System

ERDS 2019 Board



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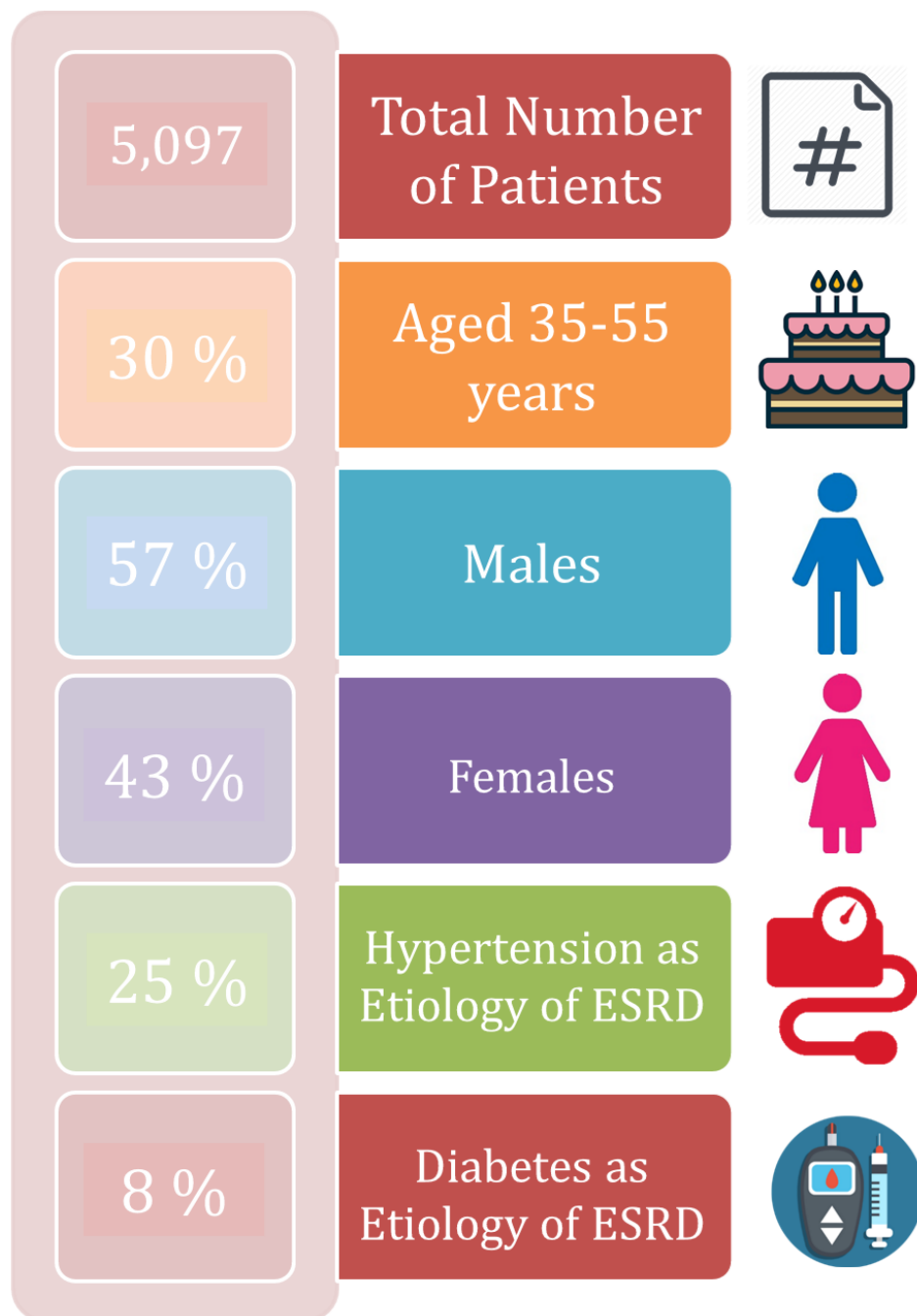
ERDS Data Entry Team

Name	Hospital / Unit Name
Dr. Asmaa Shaban	Nasser Institute
Dr. Tarek Eltantawy	Al Ahram Kidney Unit
Dr. Ahmed Elbasha	El-Moawasah University Hospital
Mr. Mohamed Elminabawy	Kasr Al Ainy Kidney Center
Dr. Reem Mohsen	Ain Shams University Dialysis Center
Dr. Mona Ginidy	Medical Research Institute Hemodialysis unit in alexandria
Dr. Mohamed El Maghawry	Zagazig University Hospitals dialysis unit
Dr. Asmaa Mounir	Tanta University Teaching And Tanta Educational hospital
Dr. Rasha Mostafa	Dialysis Unit of Bani Mazar General Hospital
Dr. Enass Elsayed	Ahmad Maher Teaching Hospital dialysis unit
Dr. Mona Naffad	Alexandria University Students Hospital
Dr. Abdelall Kozaa	Kafr Elzayyat General Hospital + Ramadan Kidney Unit Kafr Elzayyat
Dr. Shima Mohamed	Minia University Unit hemodialysis unit
Dr. Eman Nagy	Mansoura Nephrology and Dialysis Unit (MNDU)
Dr. Hamada Solaiman	Tamia Hospital + Omar Ebn Elkhattab in fayoum
Dr. Ahmed Zayed	Sohag University Hospital
Mr. Hashem Said	Elshefa Dialysis Unit
Dr. Hanaa Mohamed	Alzahraa University Hospital Dialysis Unit
Dr. Dalia Younis	Mansoura Nephrology and Dialysis Unit (MNDU)
Dr. Mahmoud Ameen	Ahmed Maher (Gomhorya)
Dr. Sammar Ahmed	Zahraa university hospital , Arab Contractors Medical Center
Ahmed Said	Arab Contractors Medical Center
Dr. Eman Ferganey	Ahmad Maher Teaching Hospital / Subsidiary Dialysis Unit
Dr. Ashraf Abdelsalm	Borgelarab hospital renal dialysis unit
Dr. Alaa Sobhy	Elkanater Elkhairia hospital hemodialysis unit
Dr. Samar Elshahat	Mansoura urology nephrology center Dialysis Unit
Dr. Omnia Hashem	Assuit University Hospital
Dr. Alyaa Ali	Aswan University Dialysis Center
Dr. Emad antar	Samanod general hospital

Name	Hospital / Unit Name
Dr. Noha Nashat	El Ganzoury hemodialysis center
Dr. Diana eltarzi	Suez Canal University Hospital HD unit
Dr. Wagbat Elabasy	Al Ameria dialysis unit , el Mahallah general hospital
Dr. Mahmoud Khalaf	Aswan University Dialysis Center
Dr. Raghda Gamal	Aswan University Dialysis Center
Dr. Amira Adel	Smouha pediatric hemodialysis unit in alexandria University Hospitals
Dr. Amina Elmetwally	Matrouh General Hospital
Dr. Asmaa Hamed	Aswan University Dialysis Center
Dr. Ahmed Said	Arab Contractors Medical Center
Dr. Mona Shaffie	Smouha Dialysis Unit, Nephrology Clinic
Dr. Marina Maurice	National Institute of urology and Nephrology
Dr. Moustafa Marei	Alexandria University Children's Hospital (Elshatby)
Dr. Laila Abdel naby	Zahraa university hospital , Masgd El-Eman Dialysis Unit
Dr. Hassan Ramadan	Benisuef University Hospital
Dr. Rahma Soliman	Damanhur Teaching Hospital
Dr. Ibrahim Galalah	Mansoura urology nephrology center Dialysis Unit
Dr. Ghada Mohamed ezzat	Arab Contractors Medical Center
Mr. Ahmed Abdallah	KUC Dialysis unit in alexandria
Dr. Ahmed Elshrkawy	El Mahalla General Hospital + El Omeraa HD Unit
Dr. Abdallah Mohamed	Benha University Unit
Dr. Abeer Aid	Ras El Teen Hospital in alexandria
Dr. Walaa Zien	Aswan University Dialysis Center
Dr. Ahmed Maged	National Institute of Urology and Nephrology
Dr. Ahmed Ziada	Dar Alkela, Dar Elsalam dialysis unit in mahala
Dr. Rasha Negm	El Hayatem + El Omeraa HD Unit
Dr. Marwa kamal	Students Hospital, Sporting
Dr. Nevein Elsoudany	Alquods HDX unit in mahala
Dr. Mai Elraddad	Damietta Specialized Hospital
Mrs. Eman Salem	Montasser Zeid Center in alexandria
Dr. Mohamed Essmat	Kasr Alainy French Hospital
Dr. Eslam Abu-Naeima	Kasr Alainy French Hospital

Name	Hospital / Unit Name
Dr. Hanan el shinawy	Homiat El Mahalla hospital
Dr. Bassma Yasser	Dar Alkela Al Araby in DOKKI
Dr. Sarah Ahmed	Borg El Arab General Hopsital
Dr. alaa mohamed	Damanhur Teaching Hospital
Dr. Omneya Hassan	Alexandria Main University Hospital
Dr. Ahmed Haroun	Kasr Alainy French Hospital
Dr. Mahmoud Elsaeed	Kasr Alainy French Hospital
Dr. Alaa Nawar	Theodor Bilharz Research Institute Dilaysis Unit
Dr. Ahmed Bolbol	Theodor Bilharz Research Institute Dilaysis Unit
Mr. Said Abdelnapy	Siwa hospital hemodialysis unit
Dr. Salah Naga	Alexandria Kidney Center, Dr Salah Naga
Dr. Mohammed El -Naghy	Samool hmodialysis center in gharbia
Dr. Ayman Kamel	Kafr Eldawar General Hospital
Dr. Ahmed Sayed	Yashfii digital transformation team
Dr. Muhammad Eissa	Yashfii digital transformation team

Infographic of ERDS 2019



2019 ERDS

Egyptian Renal Data System

Chapter 1: Demographic and Dependence Data

Chapter 1: Demographic and Dependence Data

Eighty dialysis units from 18 Egyptian governorates (cities) participated with their data in ERDS 2019 report with a **5,097 total number of patients.**

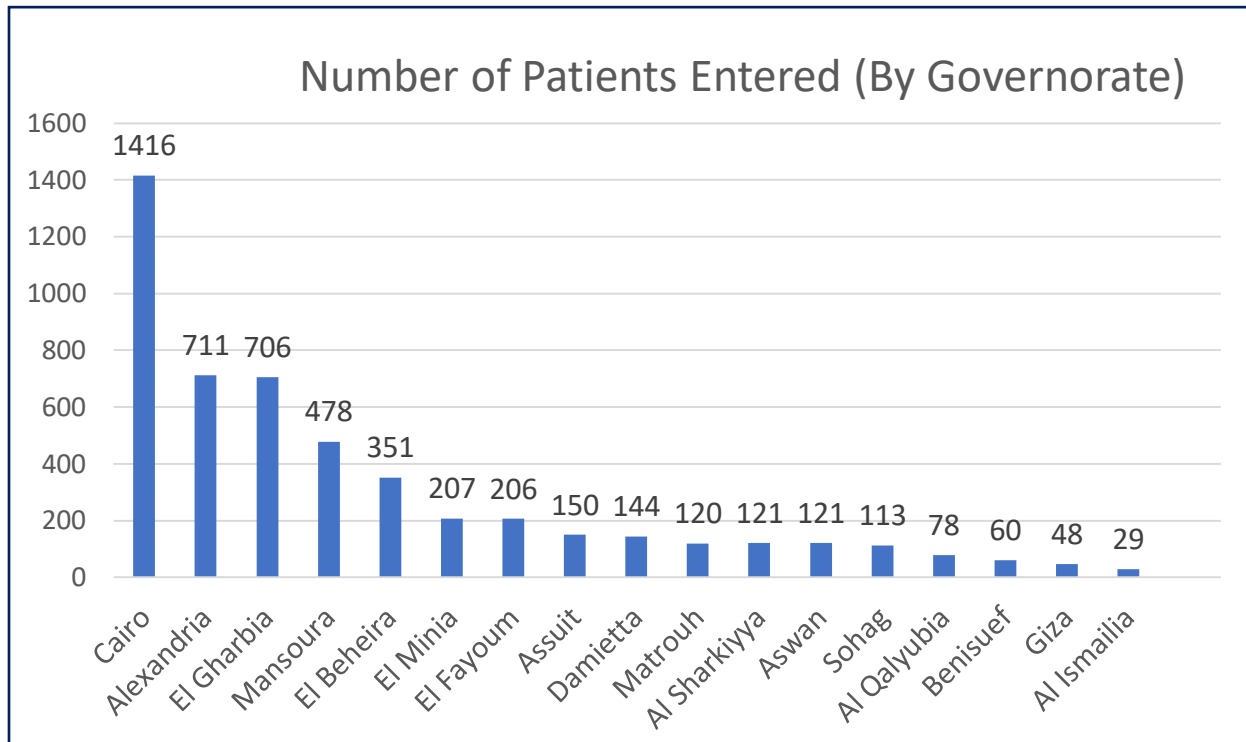


Figure 1.1 Number of patients entered by Egyptian governorates (cities) participating in ERDS 2019

Chapter 1: Demographic and Dependence Data (Continue)...

Cairo	1412
Ain Shams University Dialysis Center	445
Nasir Institute	232
Kasr Al Ainy Kidney Center	169
Ahmad Maher Teaching Hospital / Main Dialysis Unit	139
Arab Contractors Medical Center	99
Ahmad Maher Teaching Hospital /Subsidiary dialysis unit	67
Alzahraa University Hospital Dialysis unit	67
Ahmed Maher (Gomhorya)	61
El Ganzoury	49
National Institute of Urology and Nephrology	39
Elzahraa University Hospital + Masgd El-Eman Dialysis Unit	25
Kasr Alainy French Hospital	20

El Gharbia	706
Dar alkela	178
Kafr Elzayyat General Hospital + Ramadan Kidney Unit Kafr Elza	130
Tanta University teaching and educational units	105
Al Ahram Kidney Unit	80
El Omeraa HD unit + El Mahalla General Hospital +El Hayatem	75
Al Amrea	39
El Naasiriyya	25
Homiat el mahalla	24
Samool	23
Kafr Higazy, Ibn Al Nafees, Al Rahma	19
Alquods	8

Table 1.1 Hospitals and Dialysis Units participating in ERDS 2019

Chapter 1: Demographic and Dependence Data (Continue)...

Alexandria	709
El-Moawasah University hospital	157
Medical Research Institute	80
Elshefa dialysis unit	76
Alexandria university students hospital	74
Students Hospital, Sporting	73
KUC Dialysis	68
Montasser Zeid Center	39
Borgelarab	33
Alex fever hospital	31
Alexandria university children's hospital (Elshatby)	25
Ras El Teen Hospital	15
Smouha dialysis unit, Nephrology clinic	13
Smouha university hospital	10
Alexandria Kidney Center, Dr Salah Naga	8
Borg El Arab General Hopsital	7

Mansoura	478
Mansoura International Hospital	274
Mansoura Nephrology and dialysis unit (MNDU)	114
Mansourah UNC dyalsis unit	90
El Beheira	351
Damanhur teaching hospital	195
Homiate kafer eldwer	93
Kafr eldawar general hospital	63
El Minia	207
Dialysis unit of Bani Mazar General Hospital	110
Minia university unit	97
El Fayoum	206
Tamia hospital	206
Assuit	150
Assiut university hospital	150
Damietta	144
Damietta Specialized Hospital	144
Matrouh	120
Matrouh General Hospital	111
Siwa	9

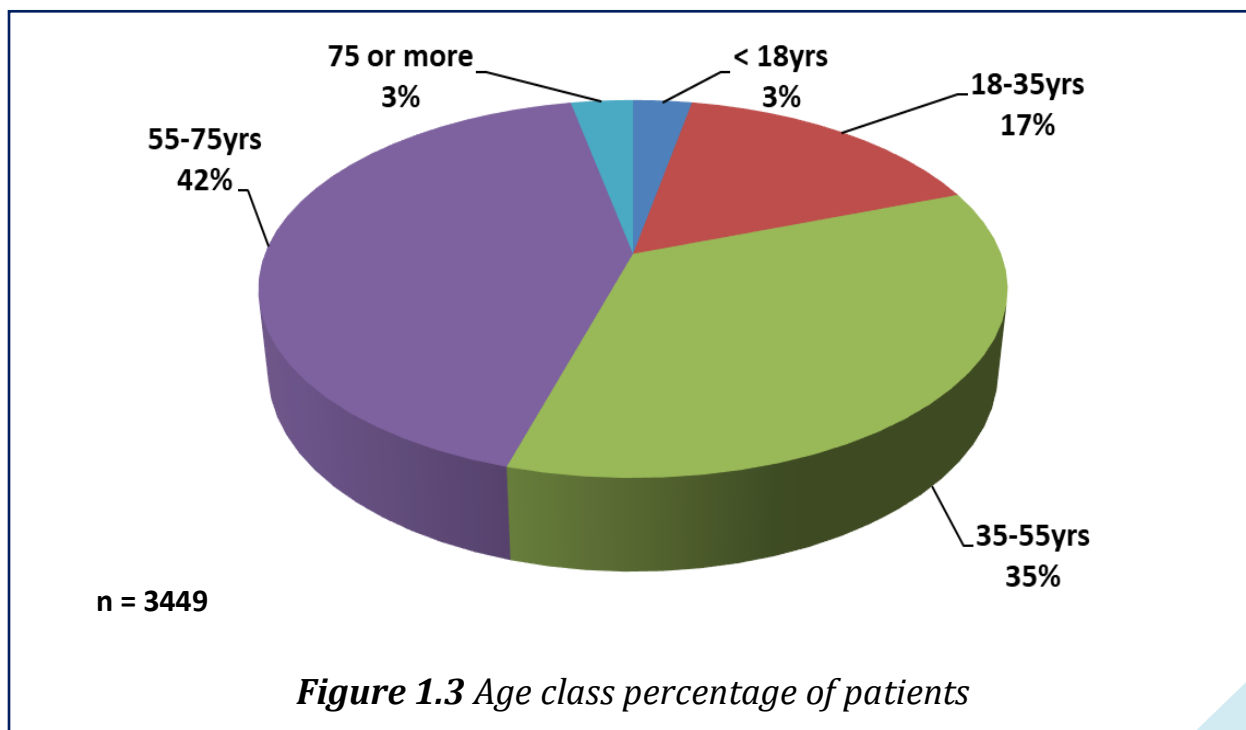
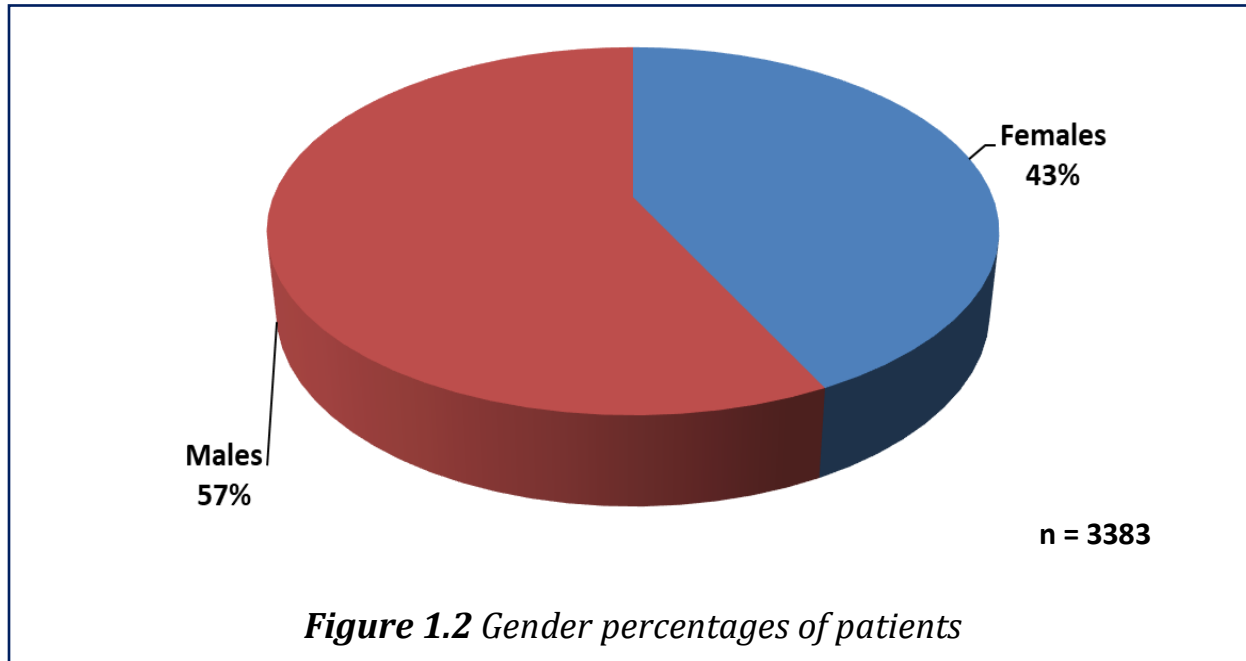
Table 1.1 (cont.) Hospitals and Dialysis Units participating in ERDS 2019

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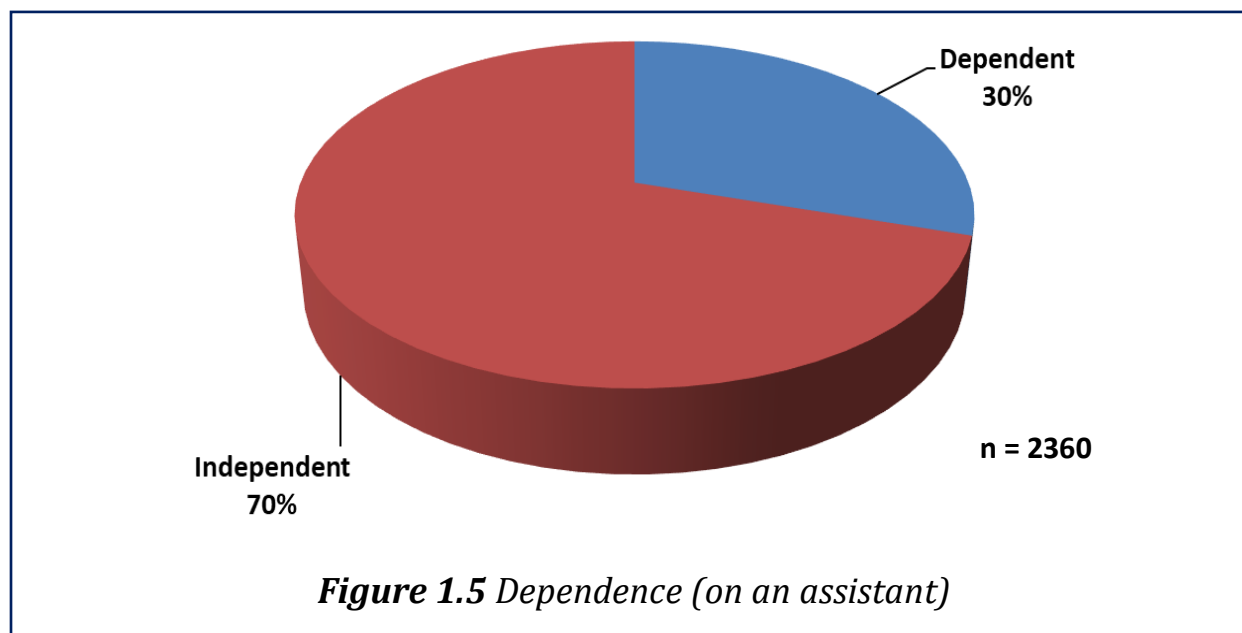
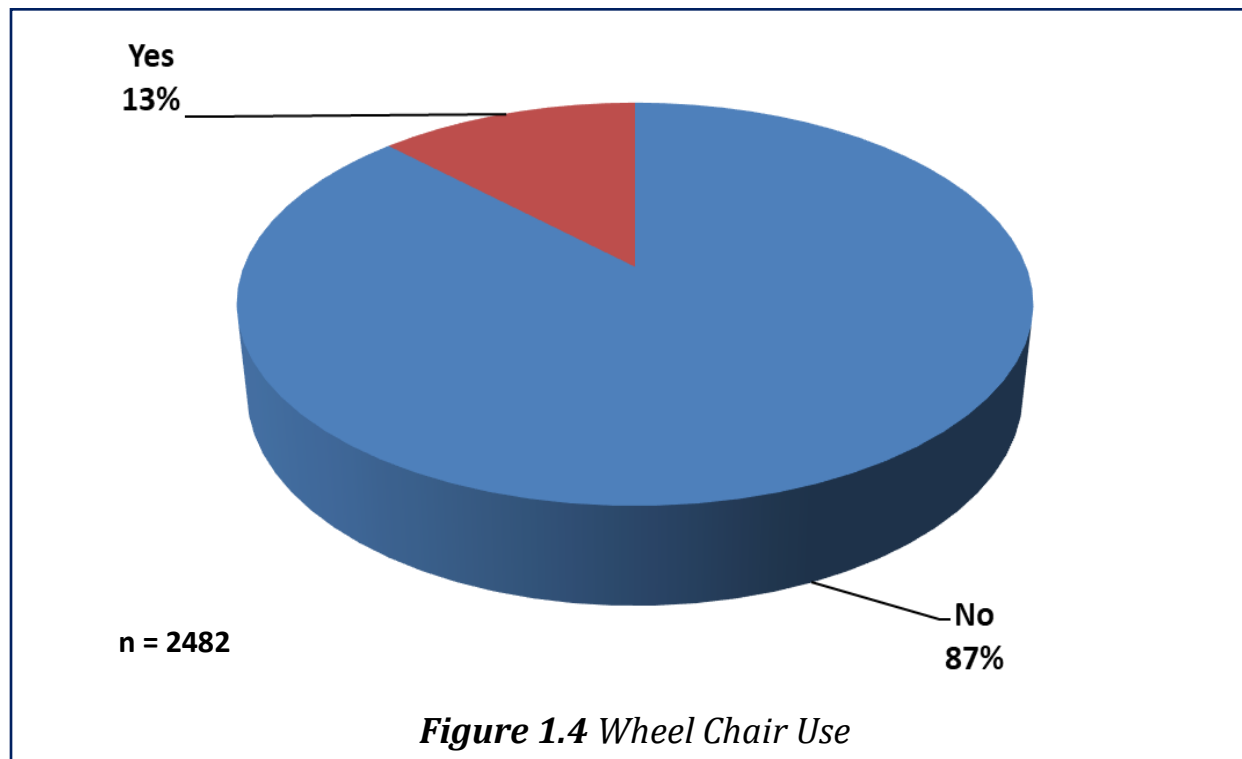
Al Sharkiyya	122
Zagazig university hospitals	121
Aswan	121
Aswan university dialysis center	106
Aswan university unit	15
Sohag	113
Sohag University Hospital	113
Al Qalyubia	78
Elkanater elkhairia	74
Benha university unit	4
Benisuef	60
Benisuef university hospital	60
Giza	48
Theodore Bilharz Research Institute Dilaysis Unit	31
Dar alkela Al Araby	17
Al Ismailia	29
Ismailia university	29

Table 1.1 (cont.) Hospitals and Dialysis Units participating in ERDS 2019

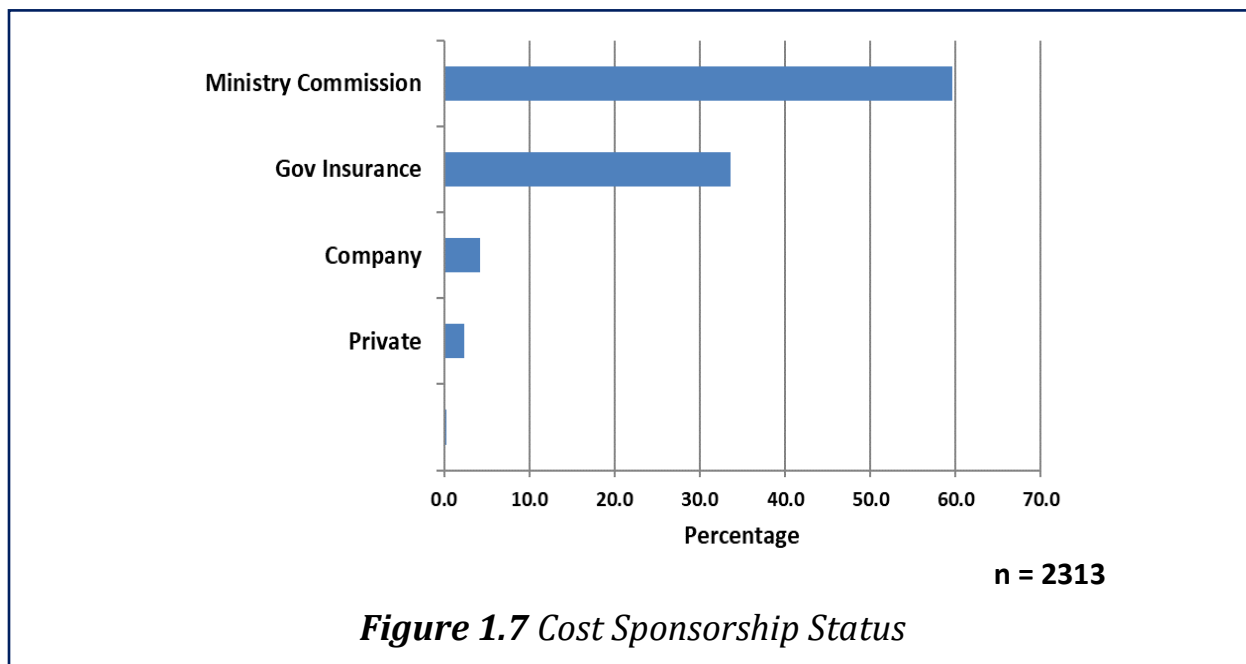
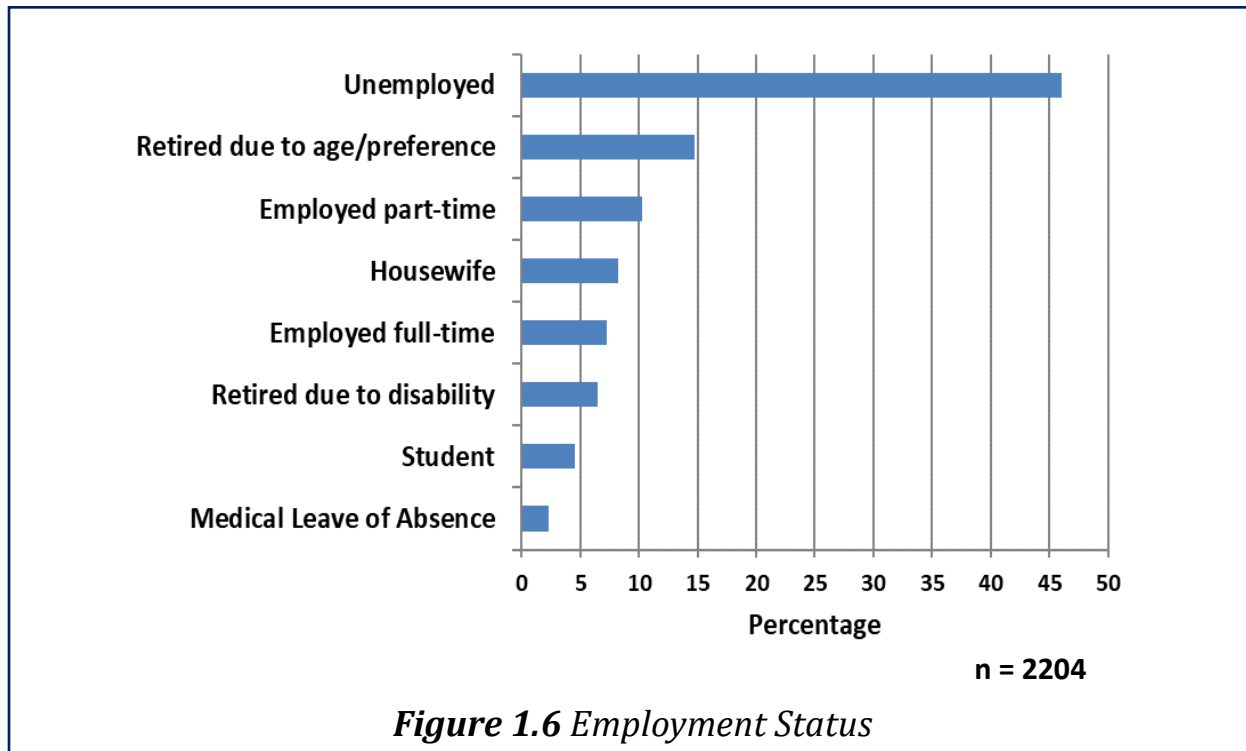
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Chapter 1: Demographic and Dependence Data (Continue)...



Chapter 1: Demographic and Dependence Data (Continue)...

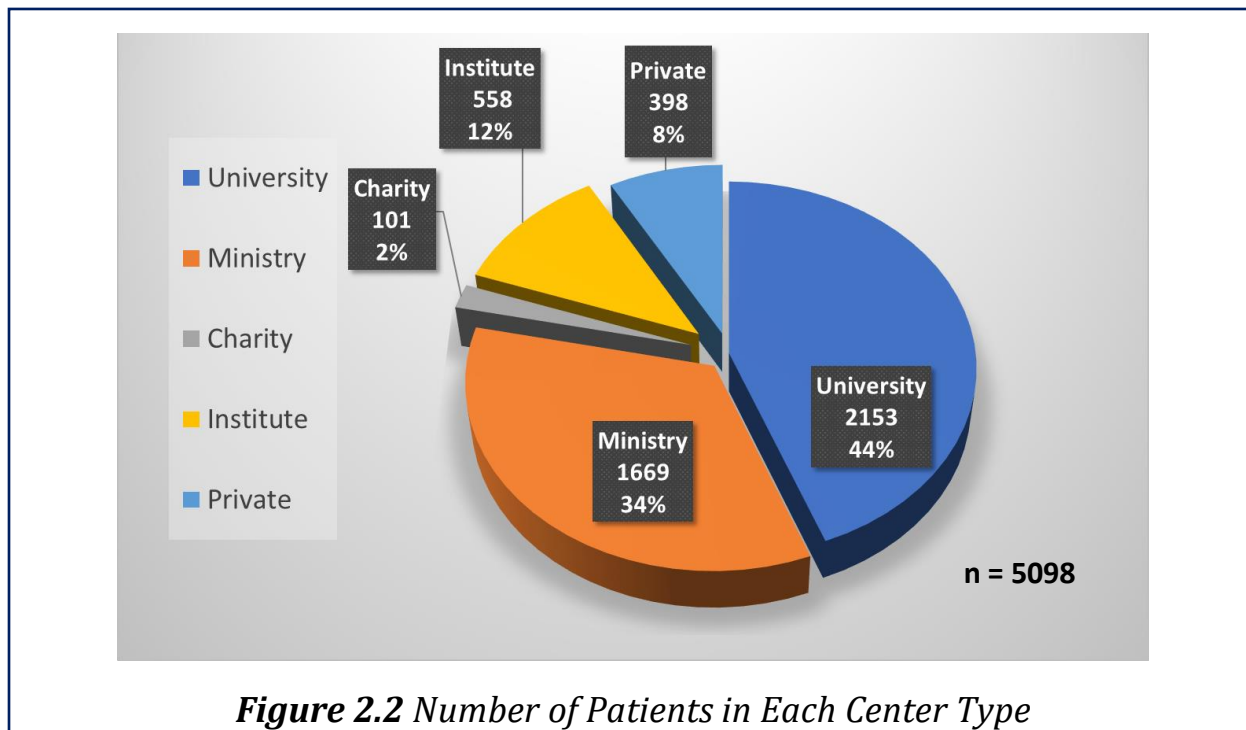
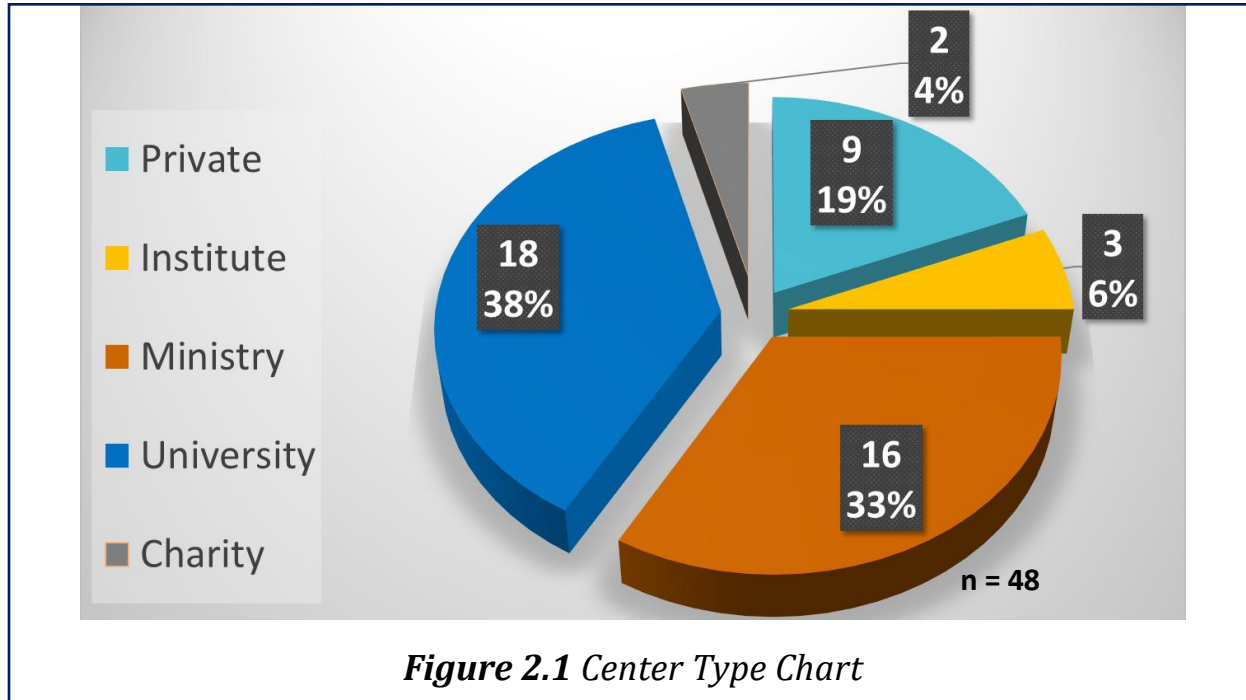


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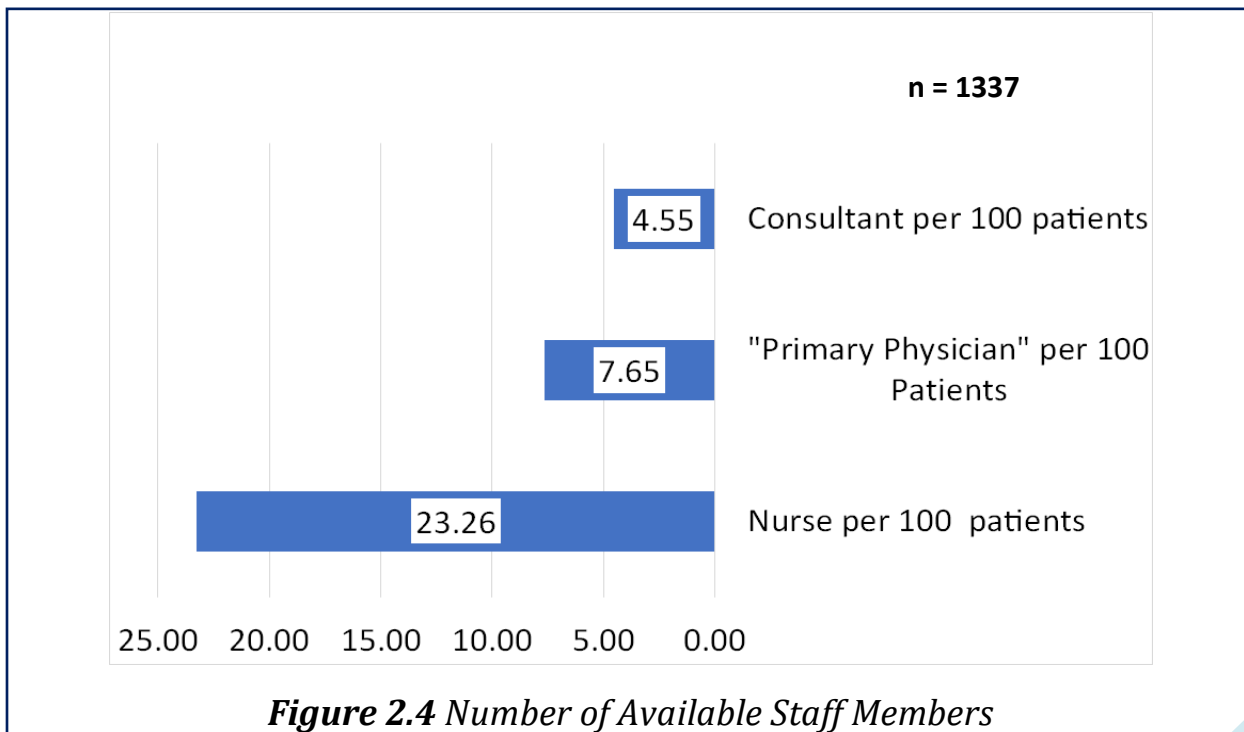
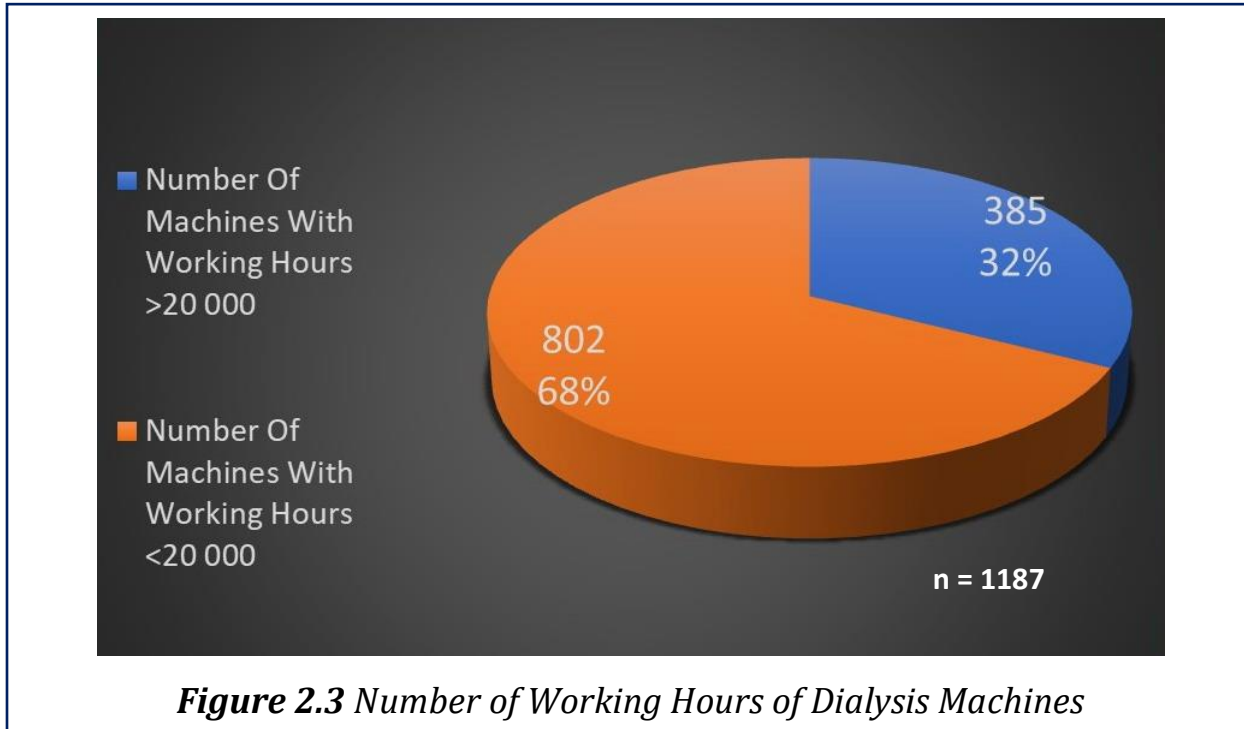
Egyptian Renal Data System

Chapter 2: Dialysis Unit Data

Chapter 2: Dialysis Unit Data



Chapter 2: Dialysis Unit Data (Continue)...



Chapter 2: Dialysis Unit Data (Continue)...

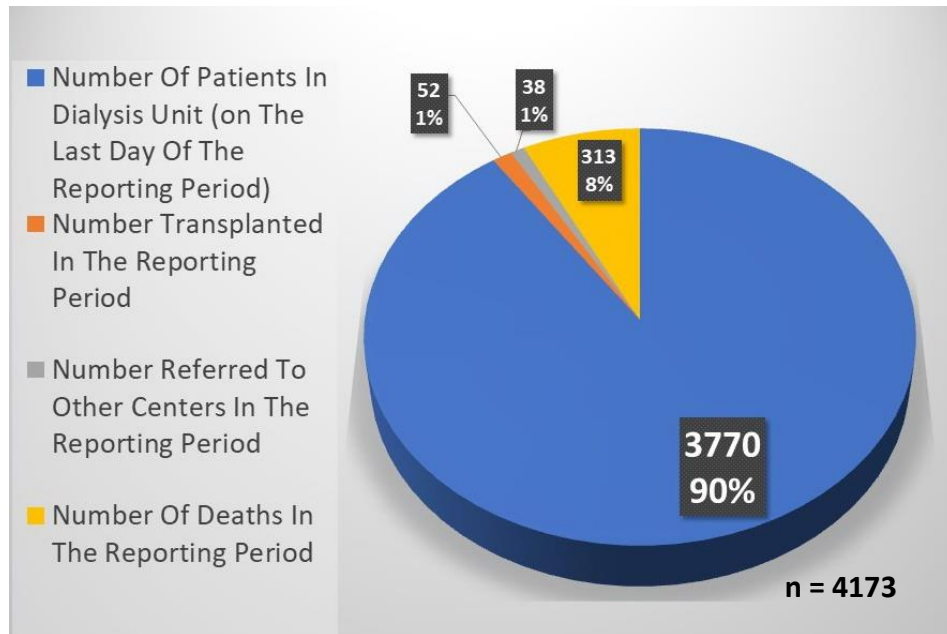


Figure 2.5 Number of Patients in Dialysis Units

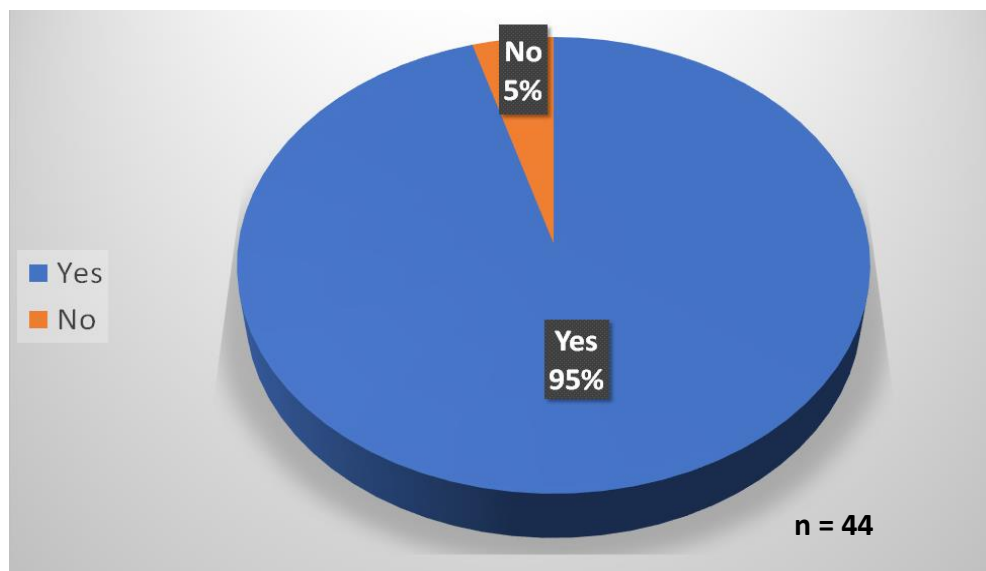


Figure 2.6 Last Water Treatment Unit Test

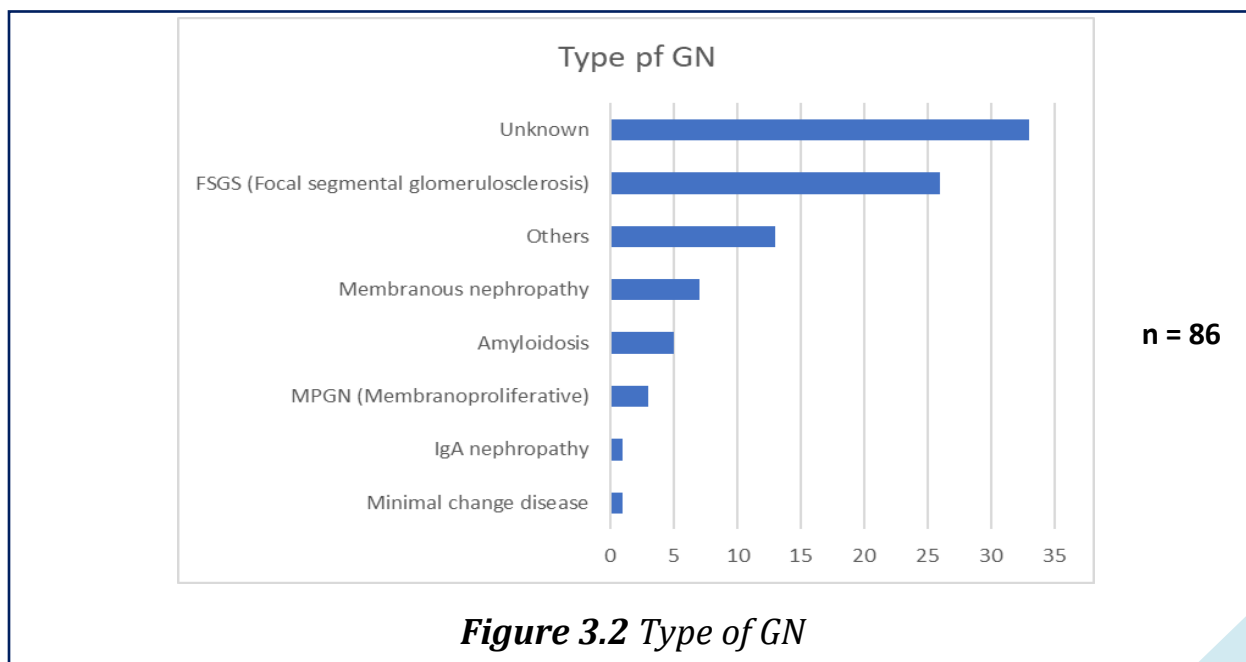
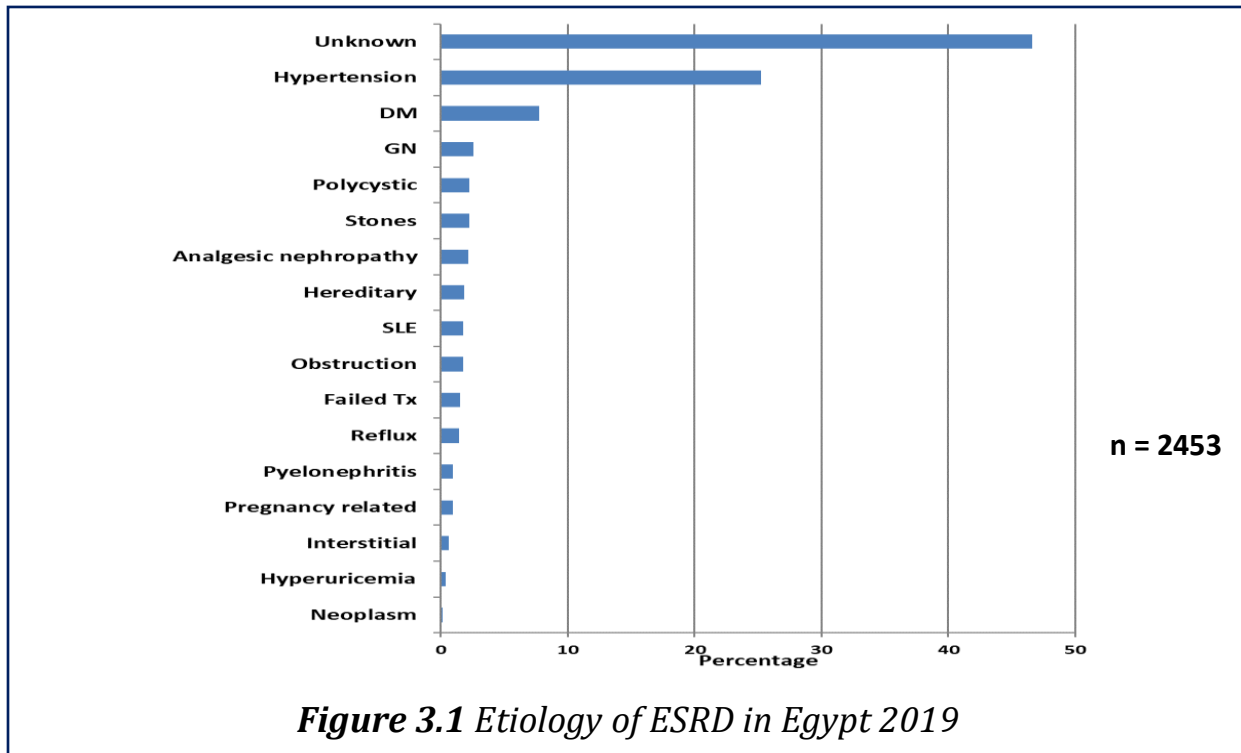
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Chapter 3: Original Disease

Chapter 3: Original Disease

- In Egypt in 2019 hypertension is the second most common cause of ESRD, followed by diabetes mellitus.

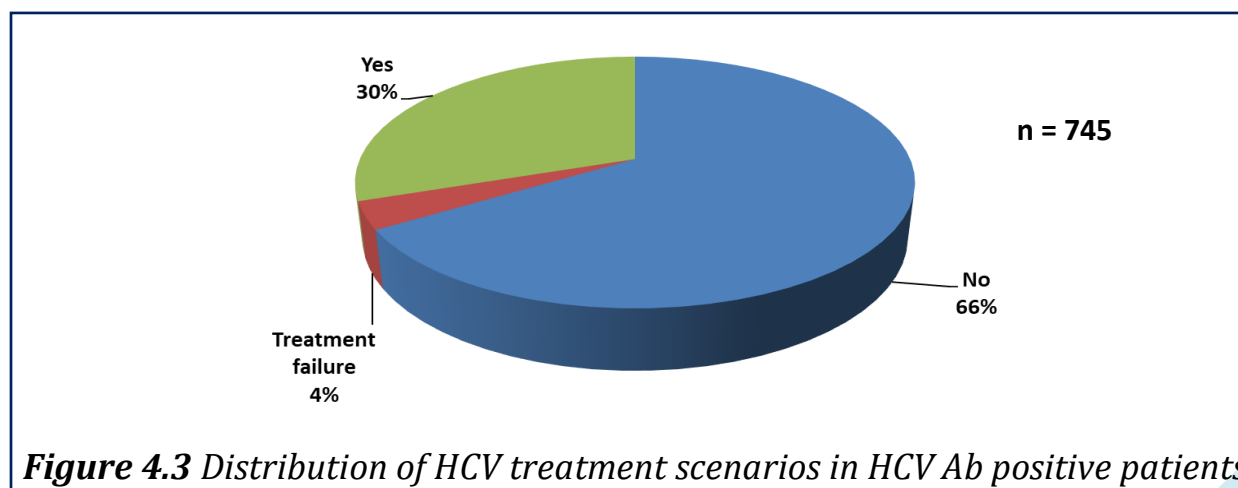
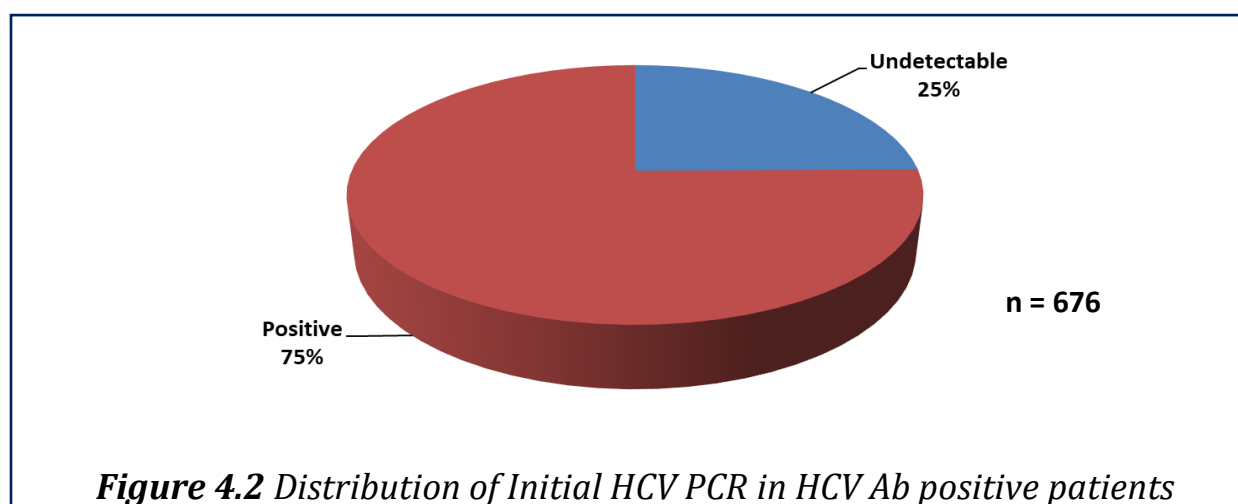
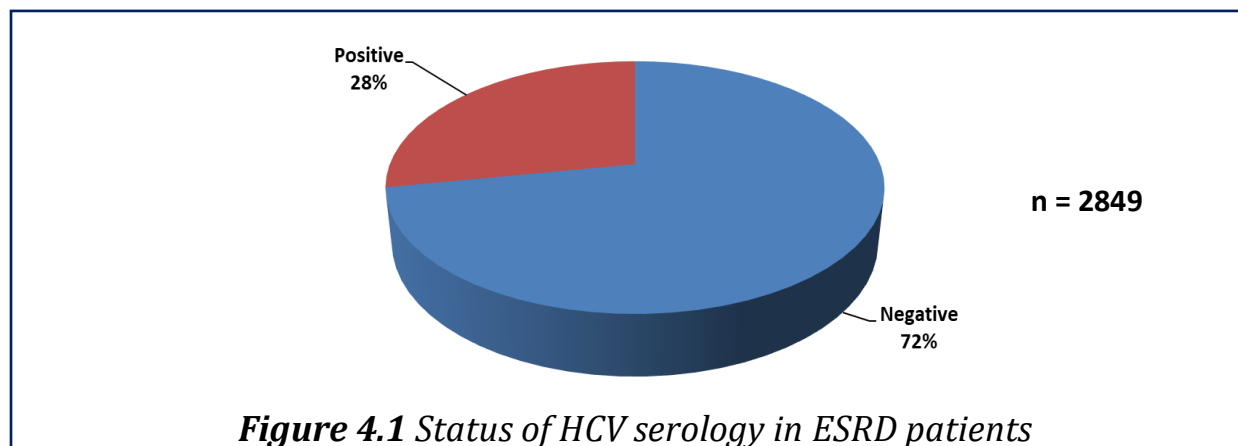


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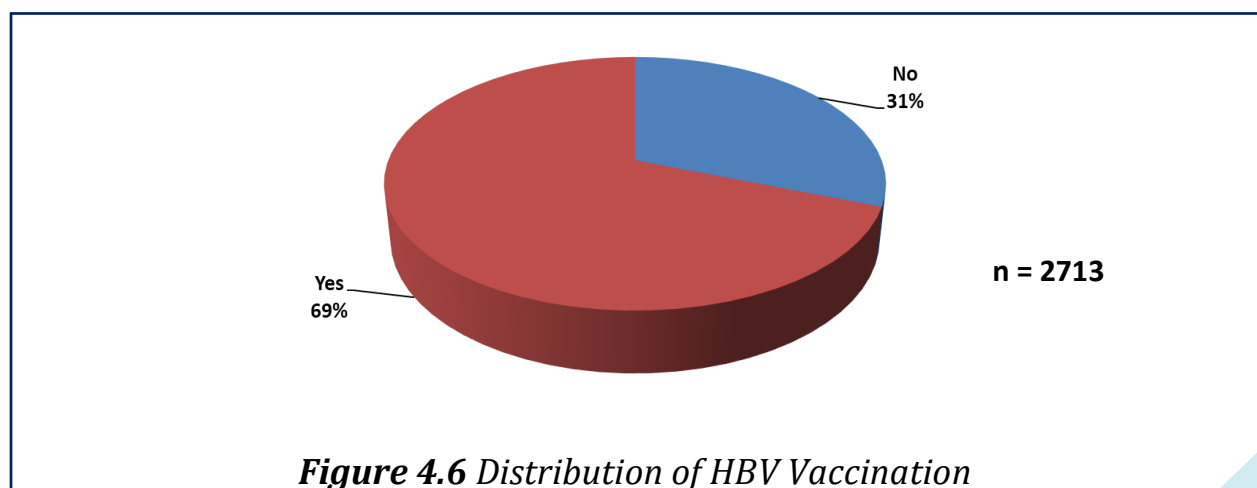
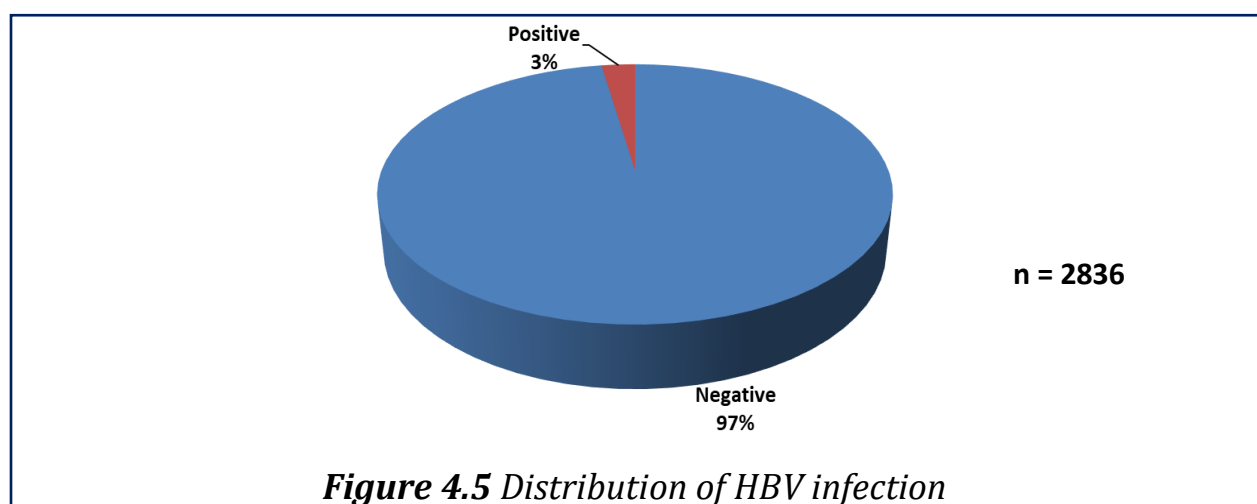
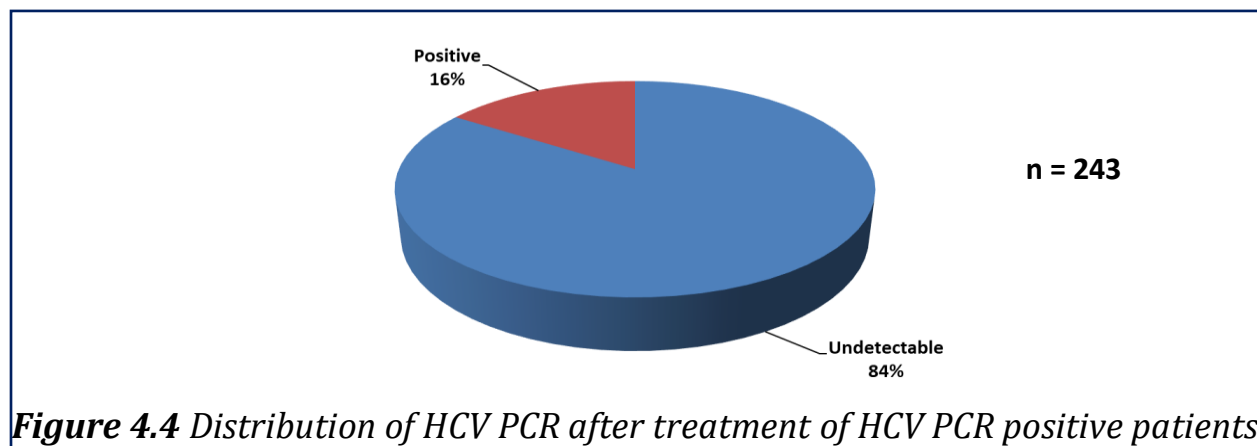
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Chapter 4: Viral Diseases

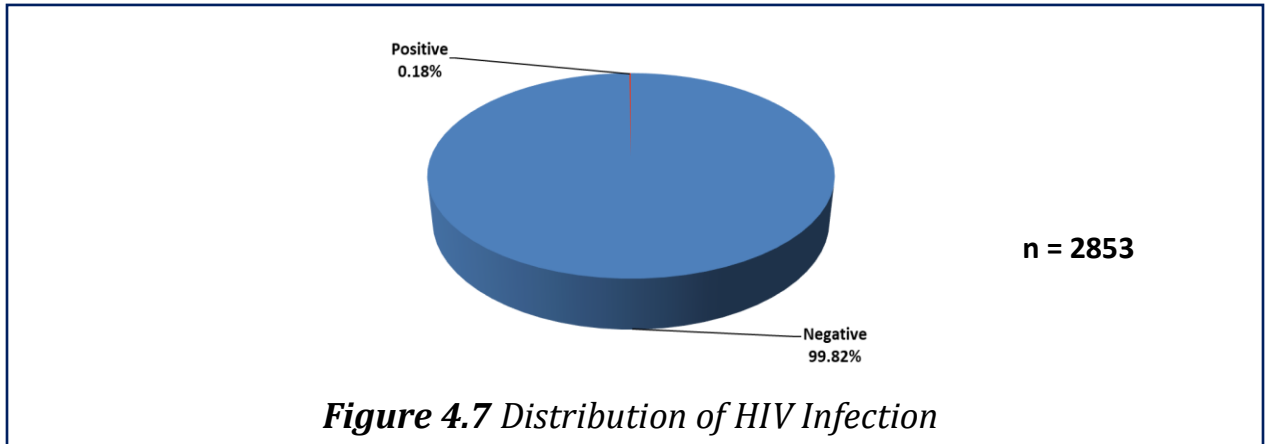
Chapter 4: Viral Diseases



Chapter 4: Viral Diseases (Continue)...



Chapter 4: Viral Diseases (Continue)...

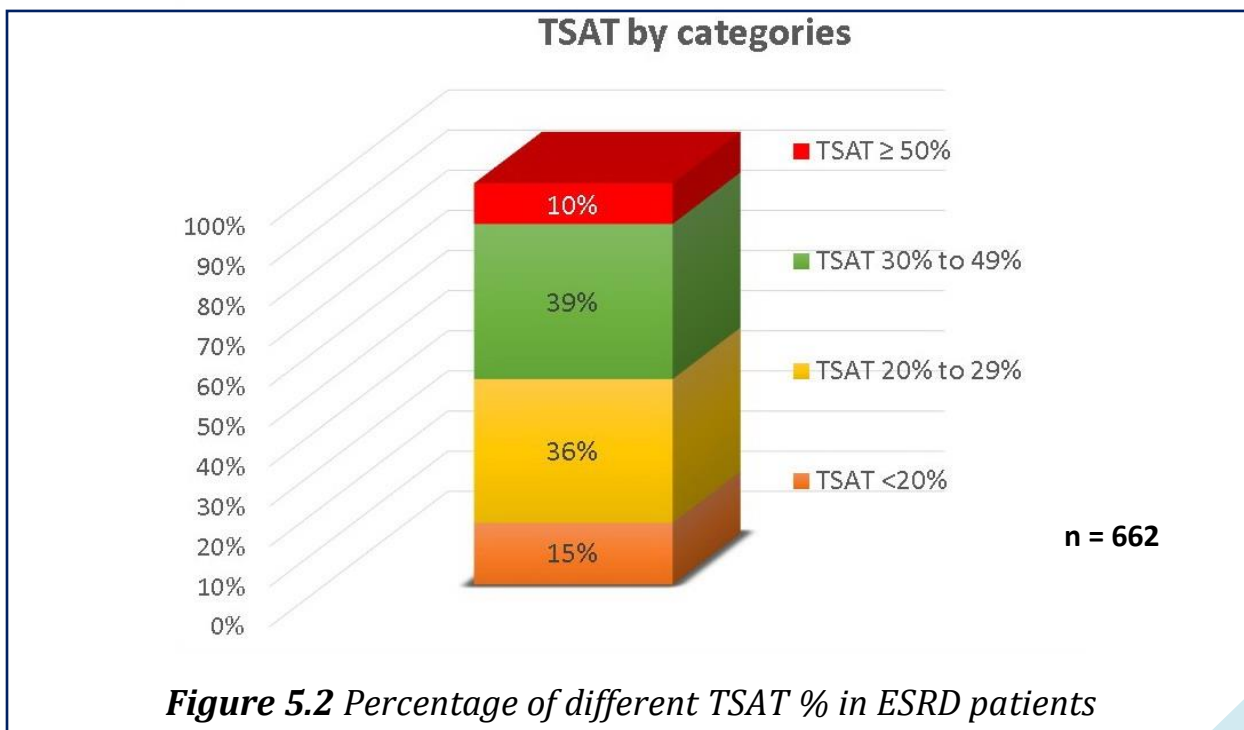
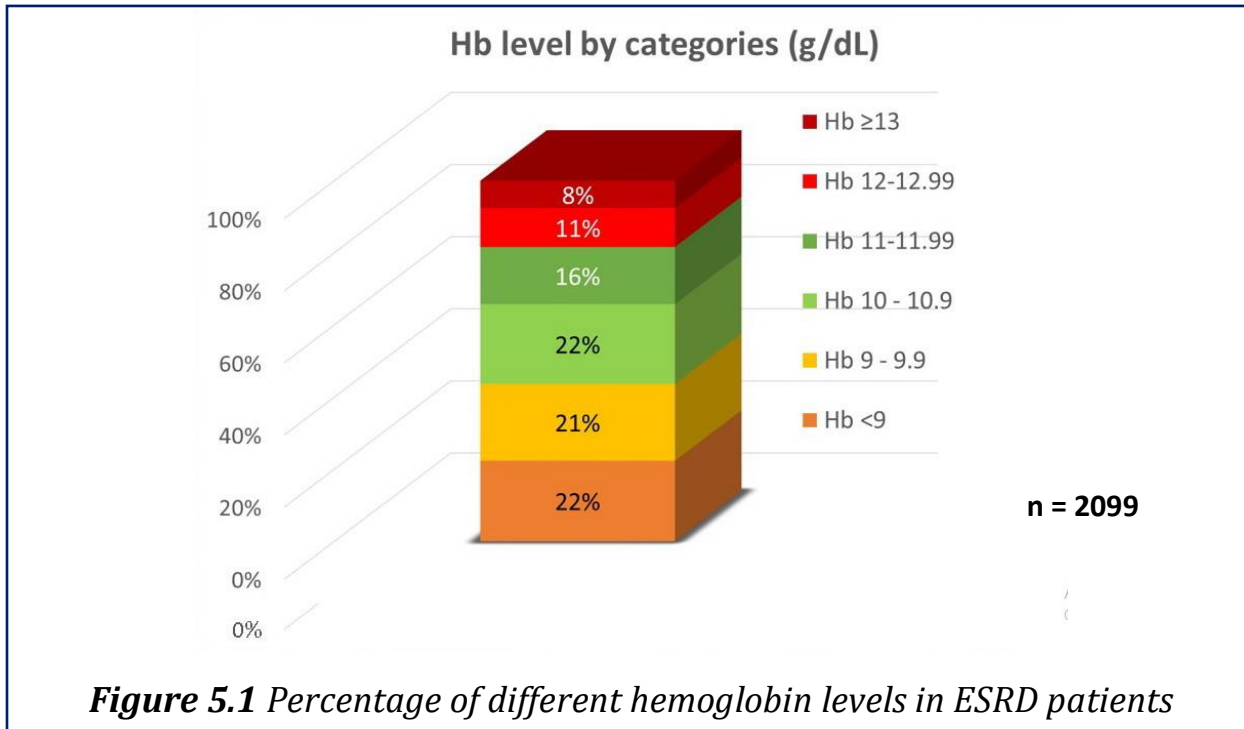


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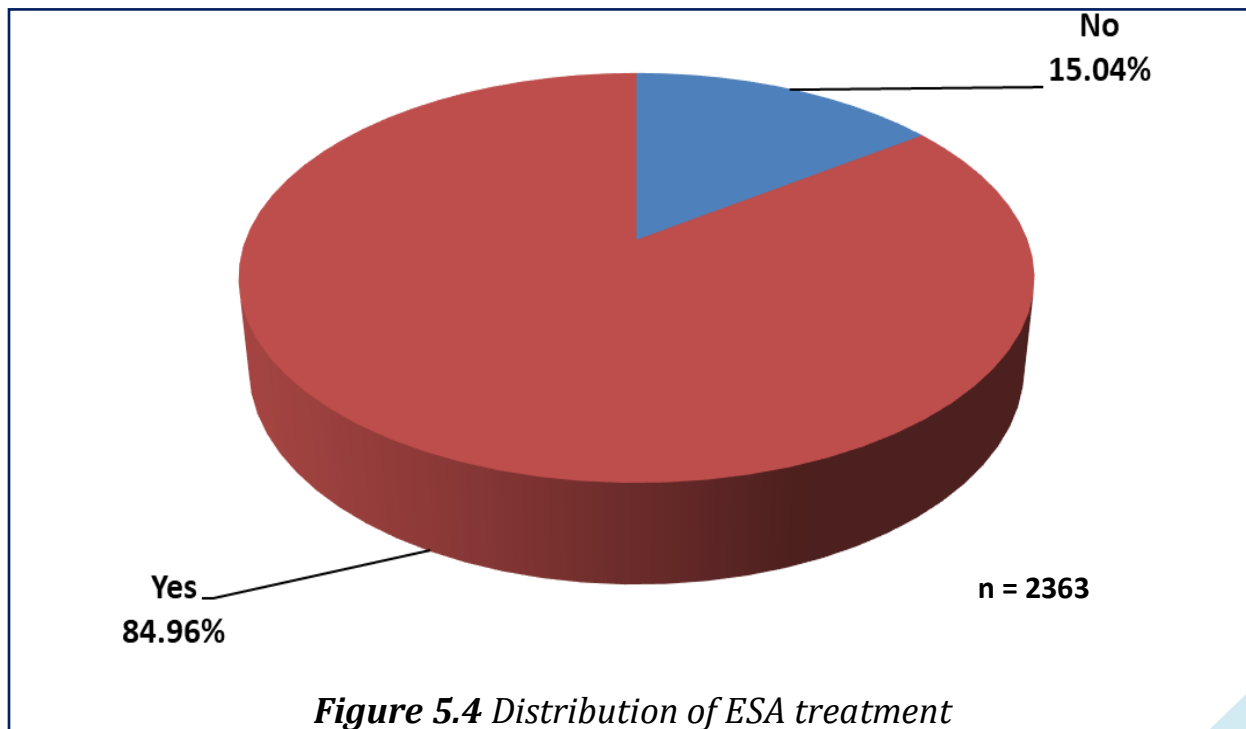
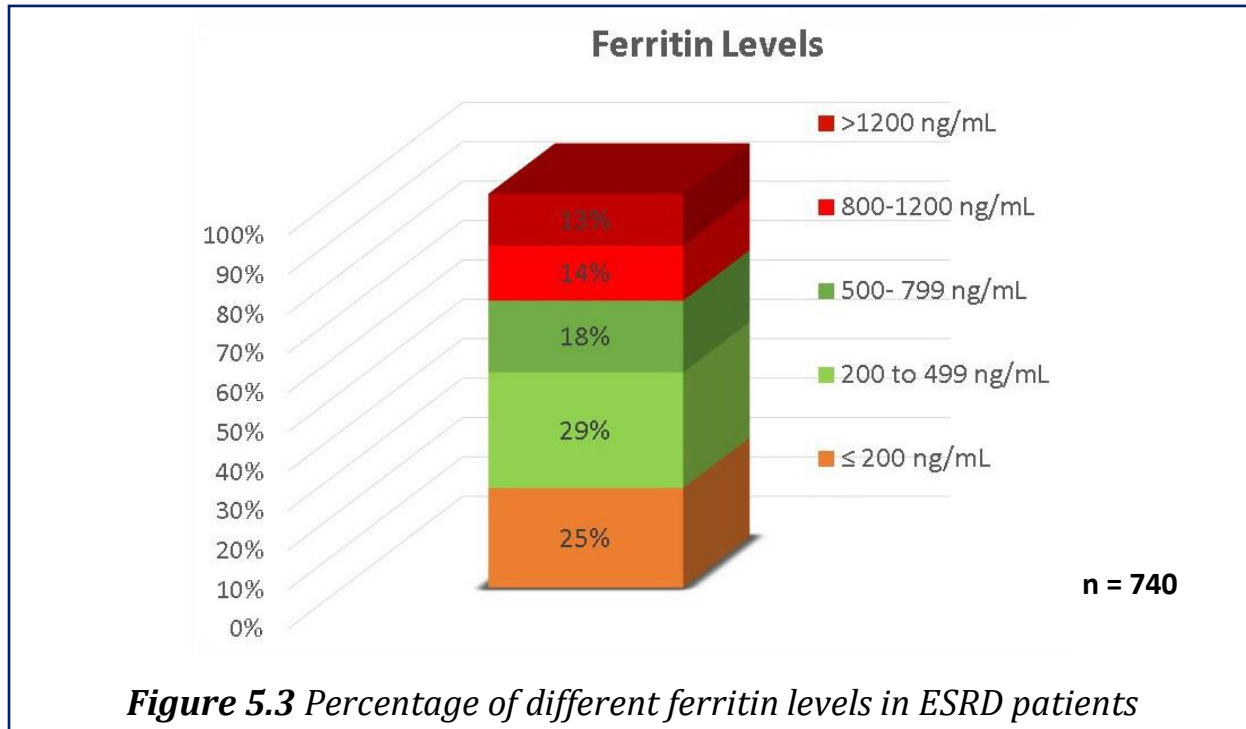
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Chapter 5: Anemia Profile

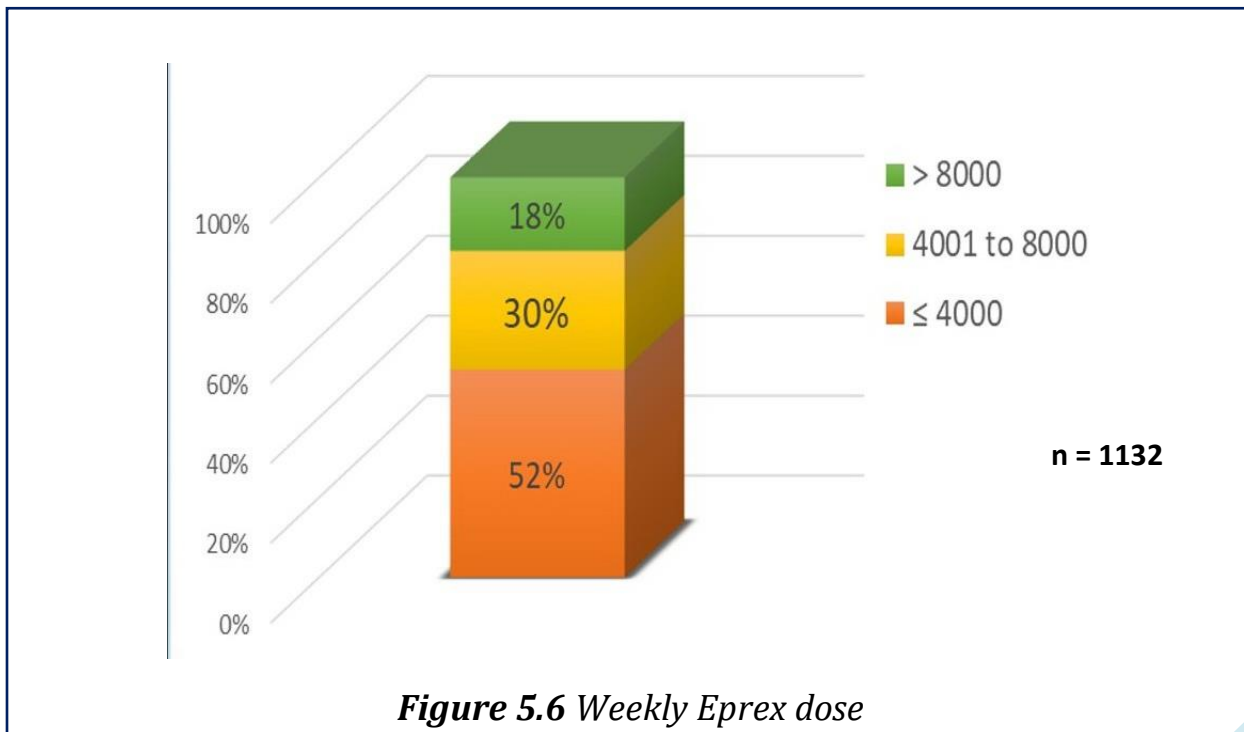
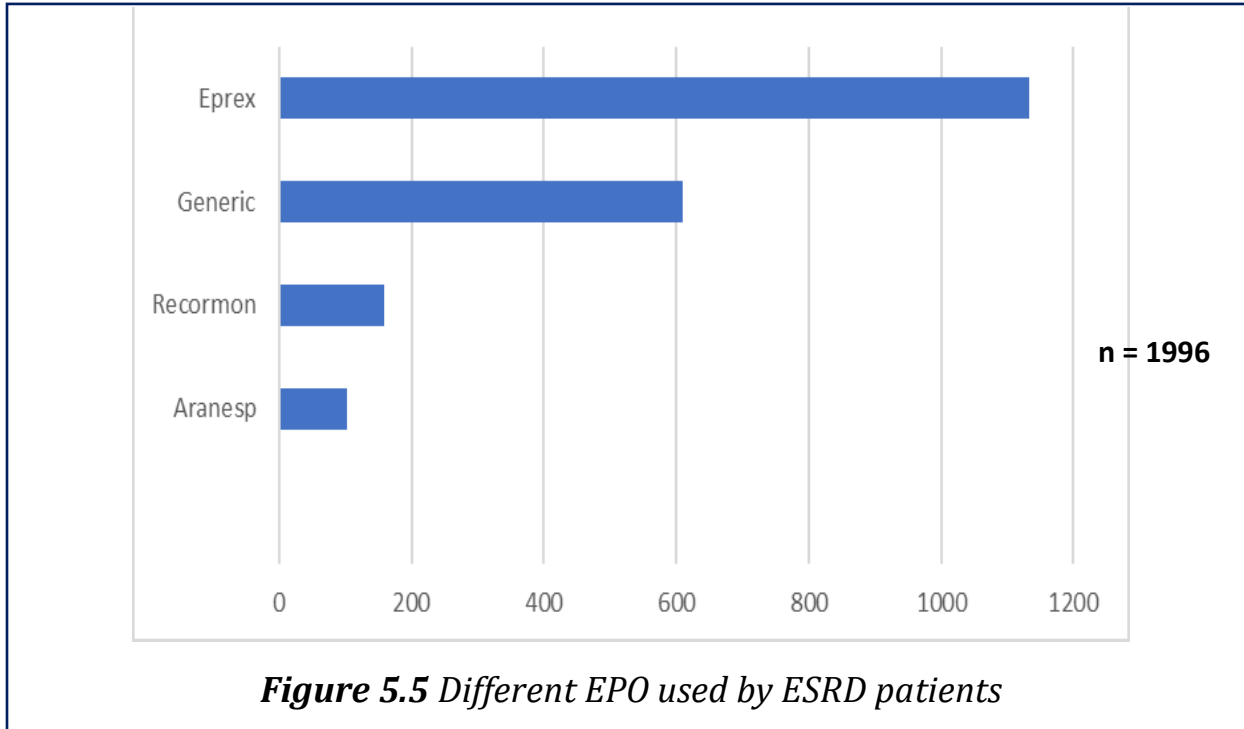
Chapter 5: Anemia Profile



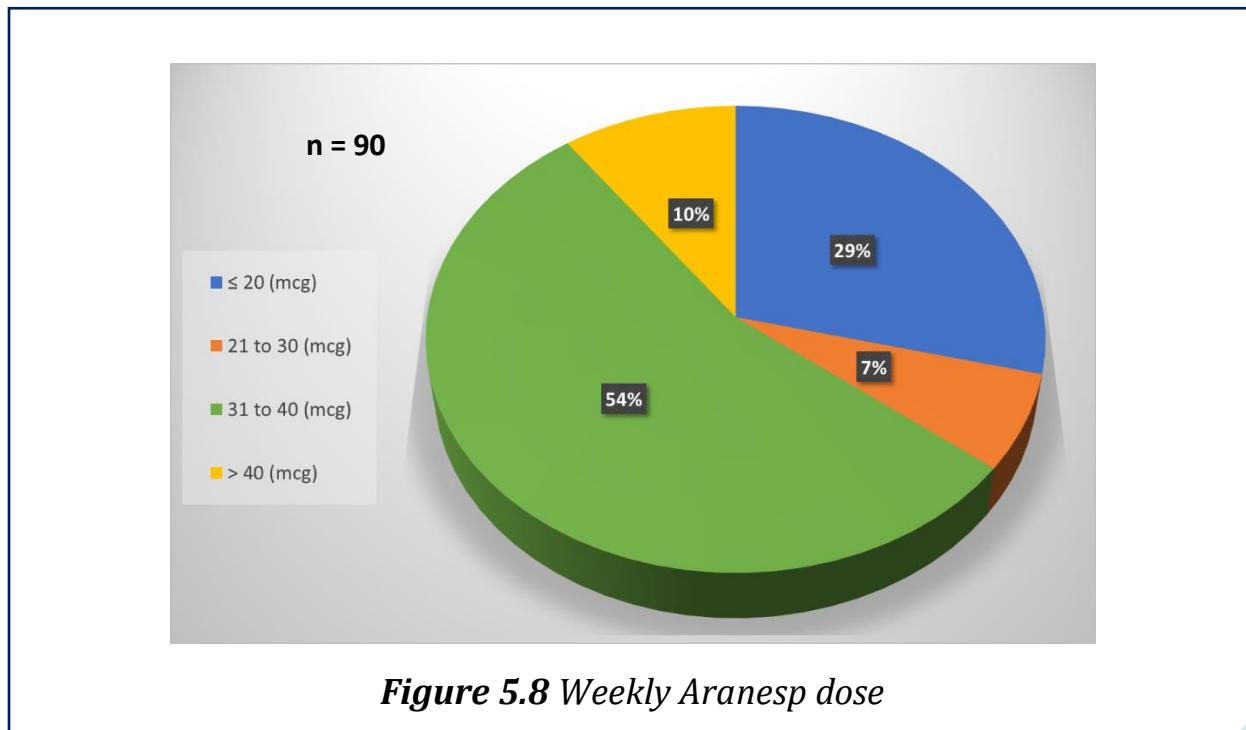
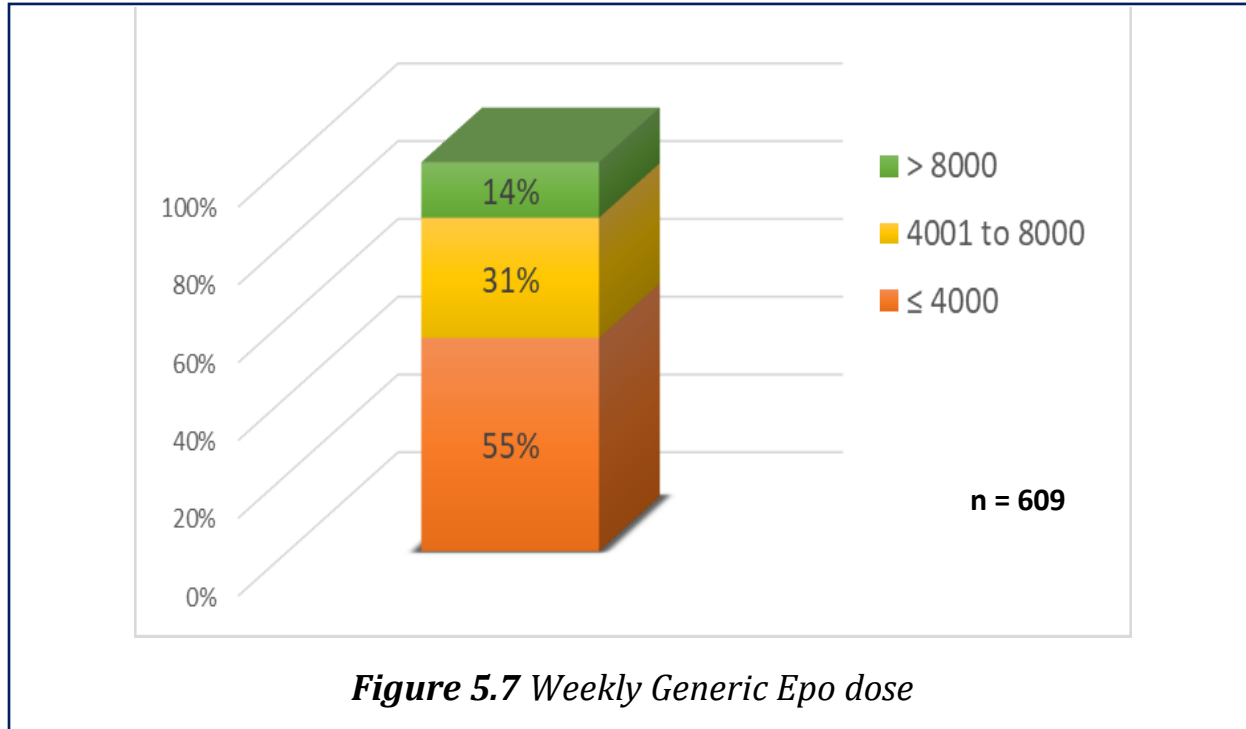
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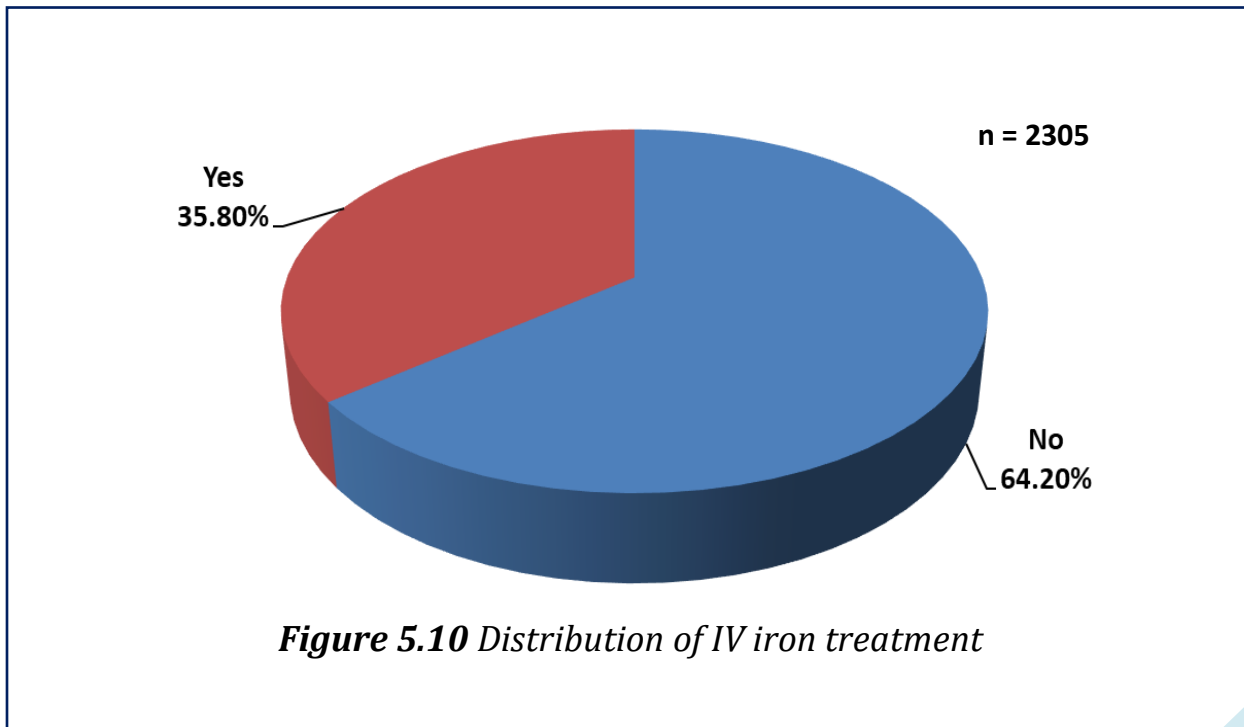
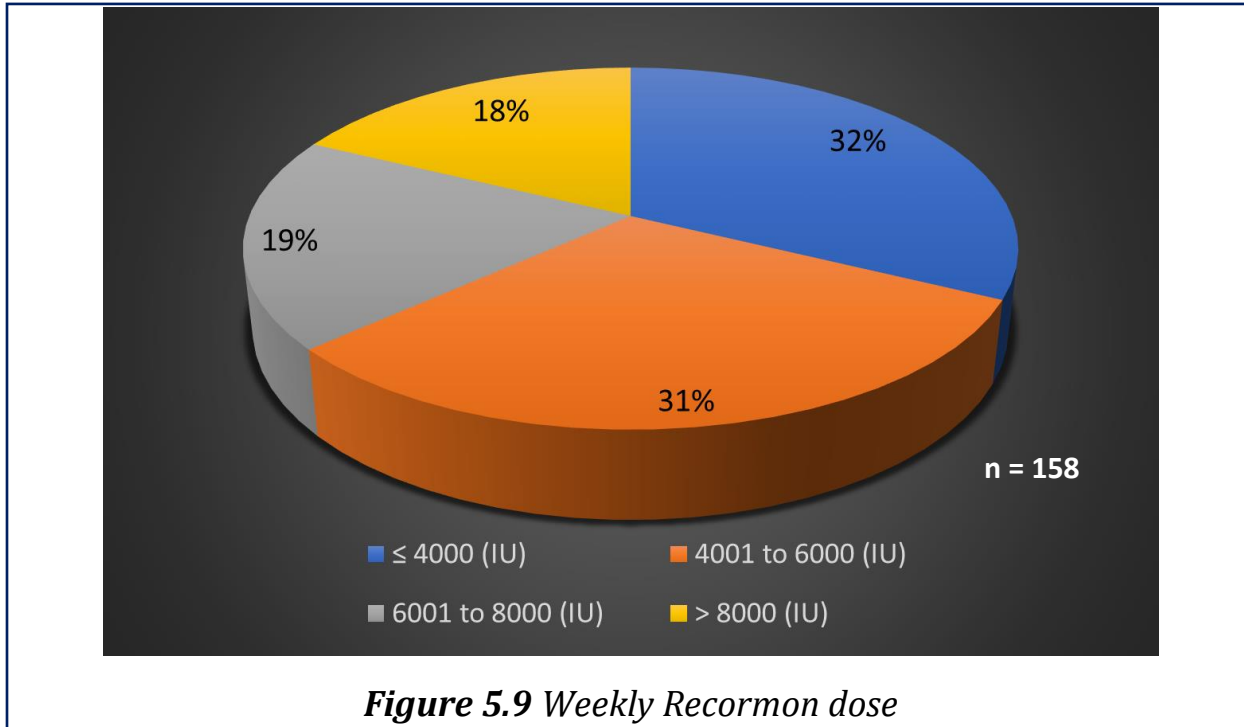
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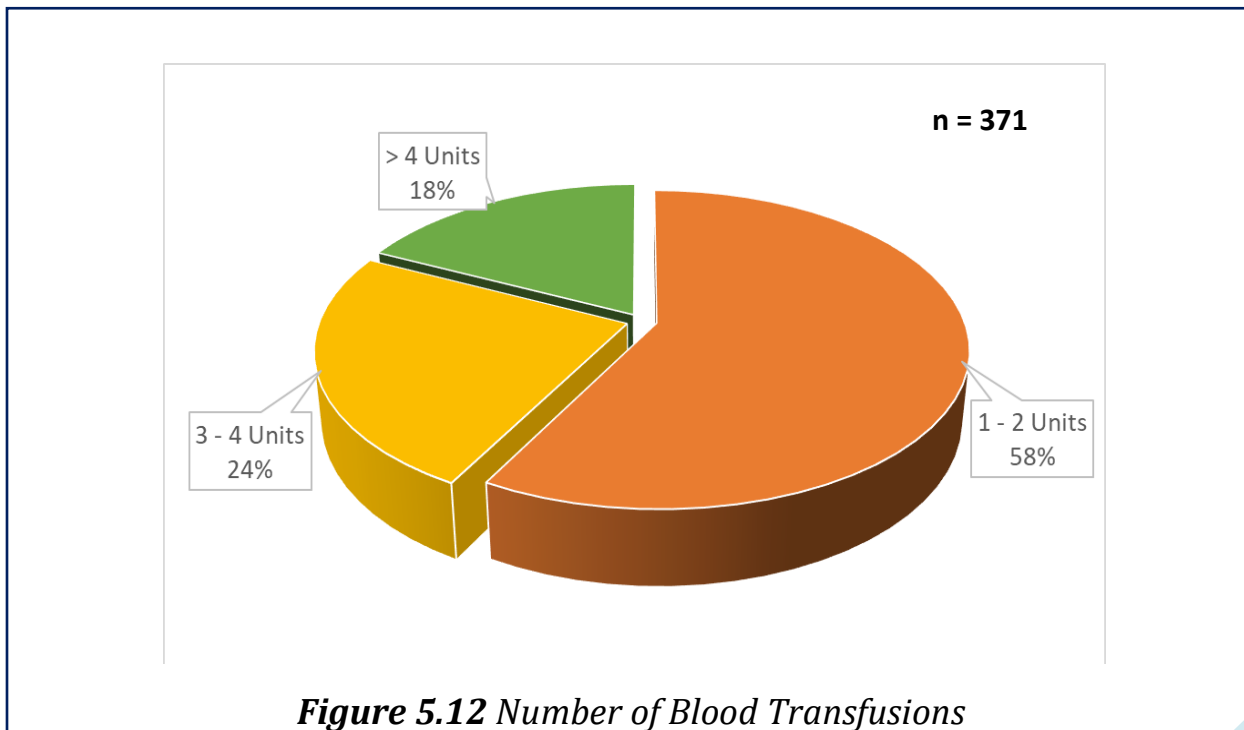
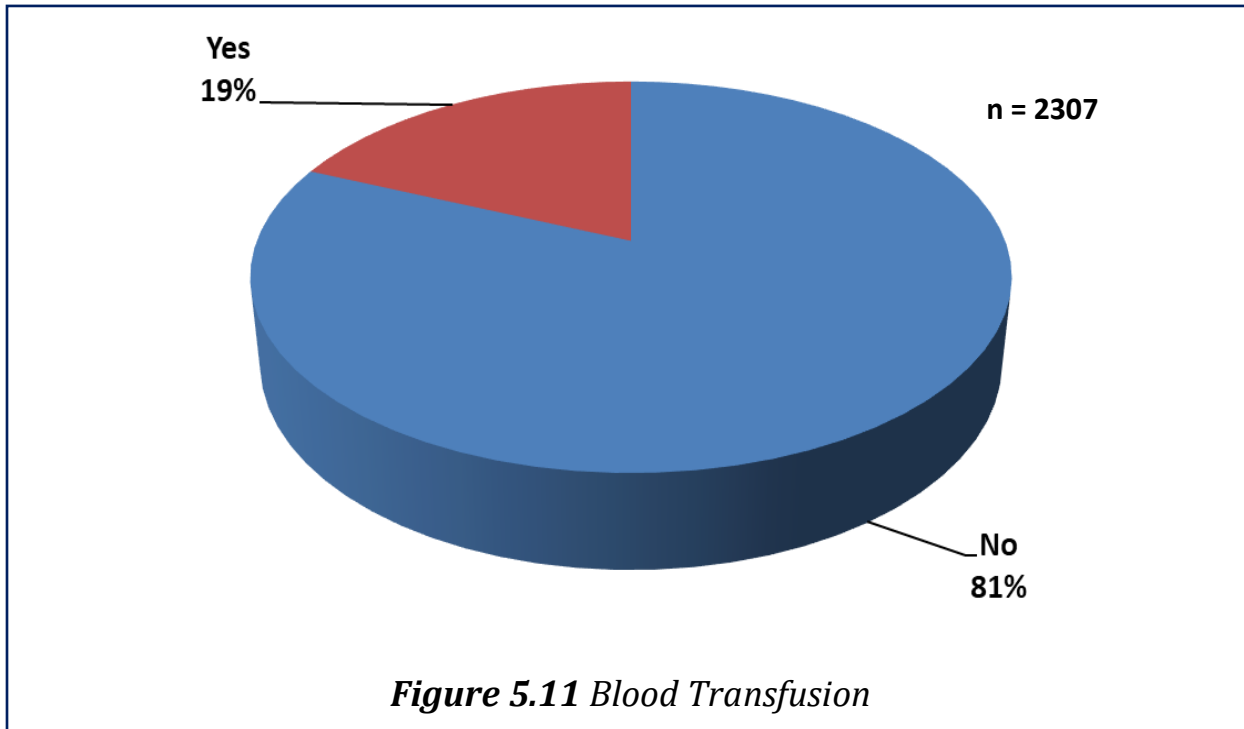
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Chapter 5: Anemia Profile (Continue)...



Chapter 5: Anemia Profile (Continue)...

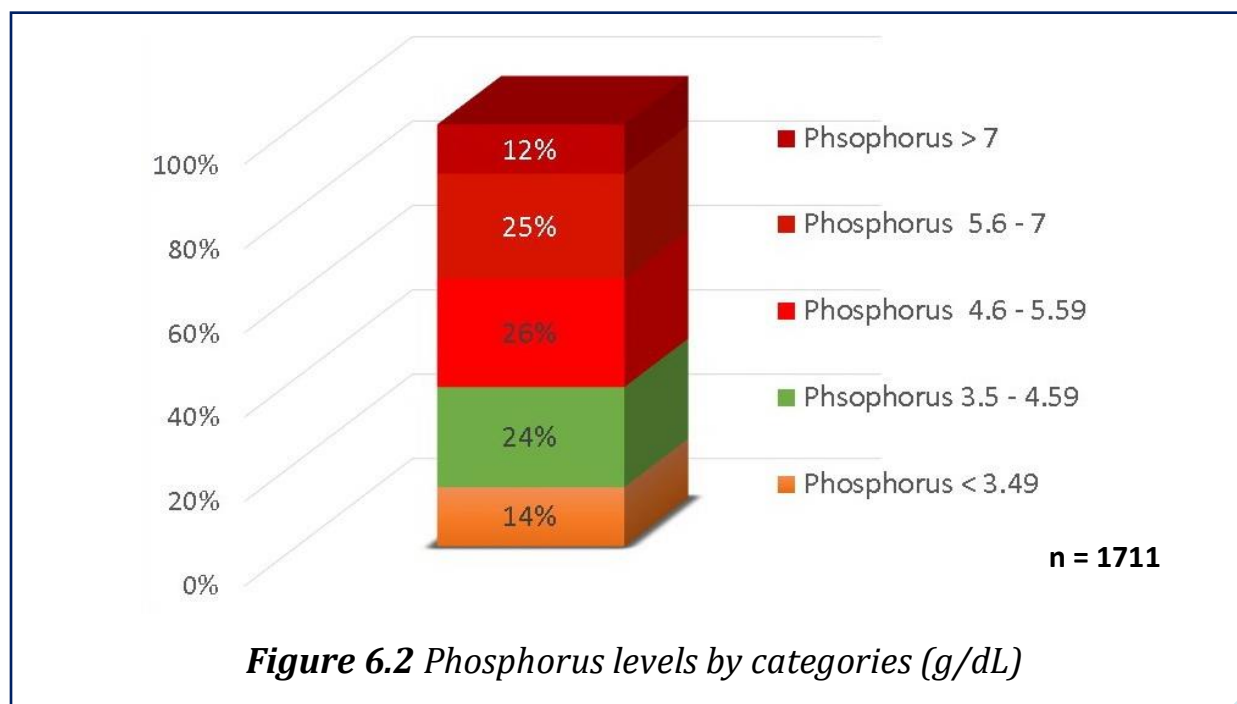
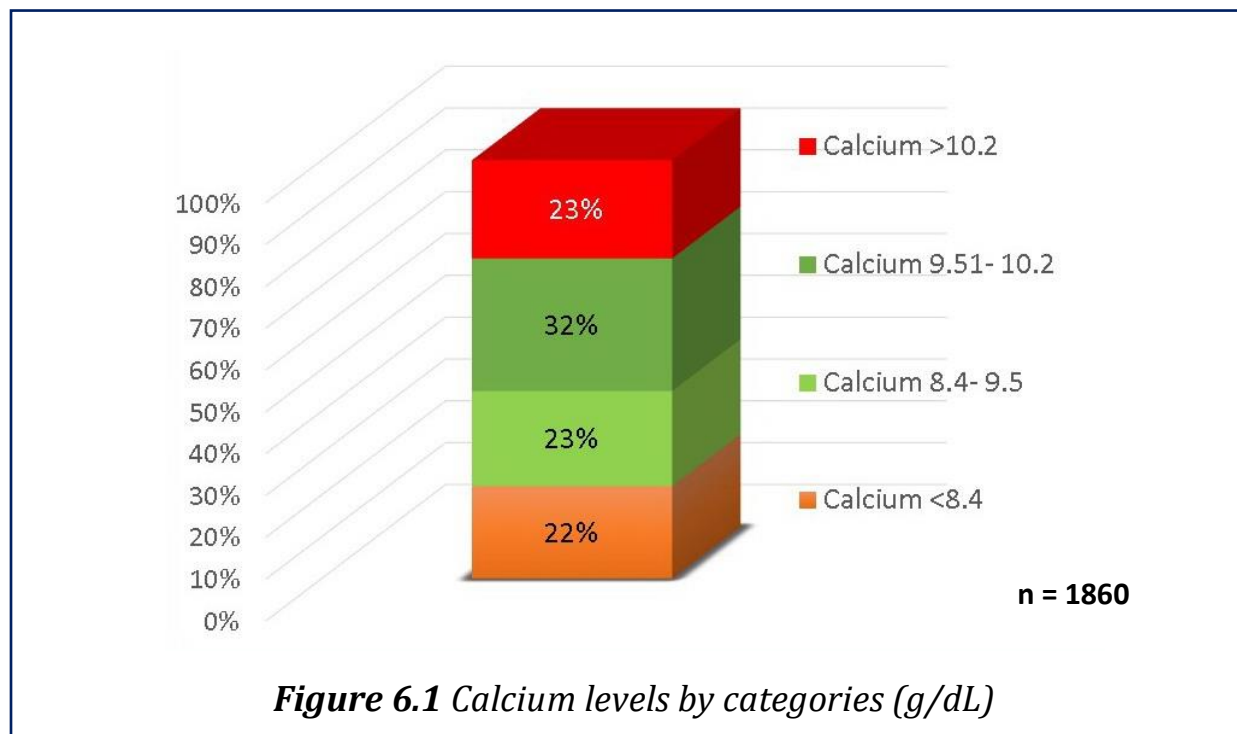


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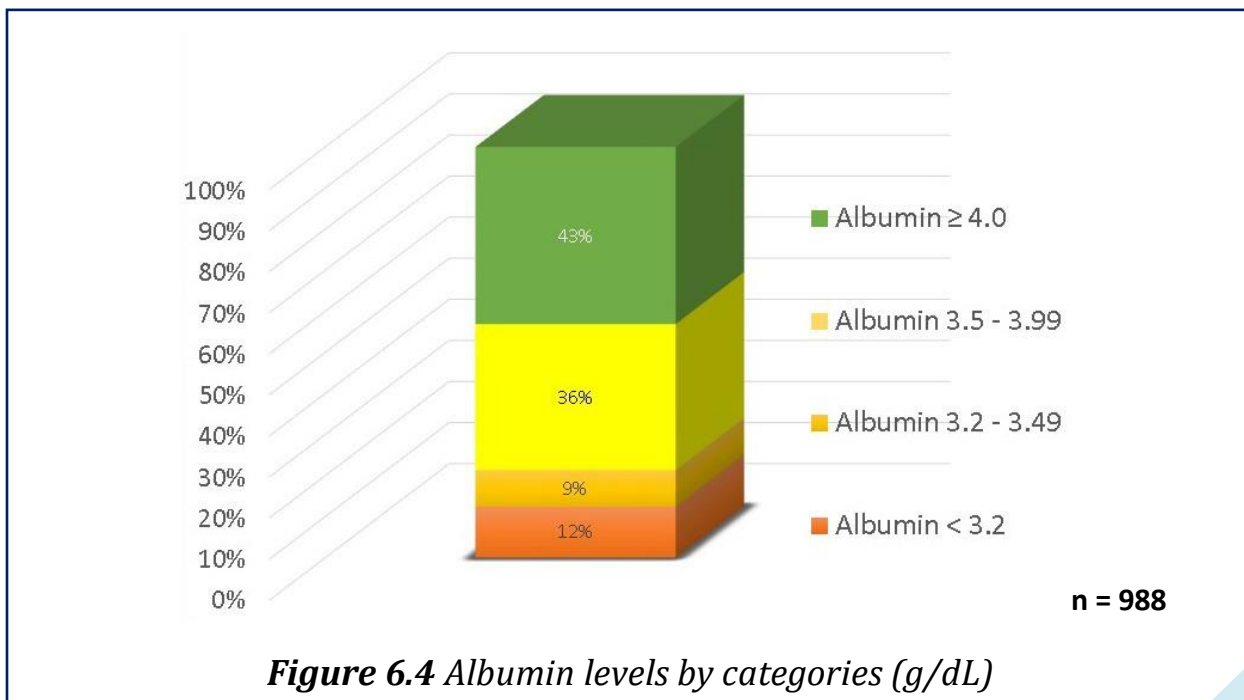
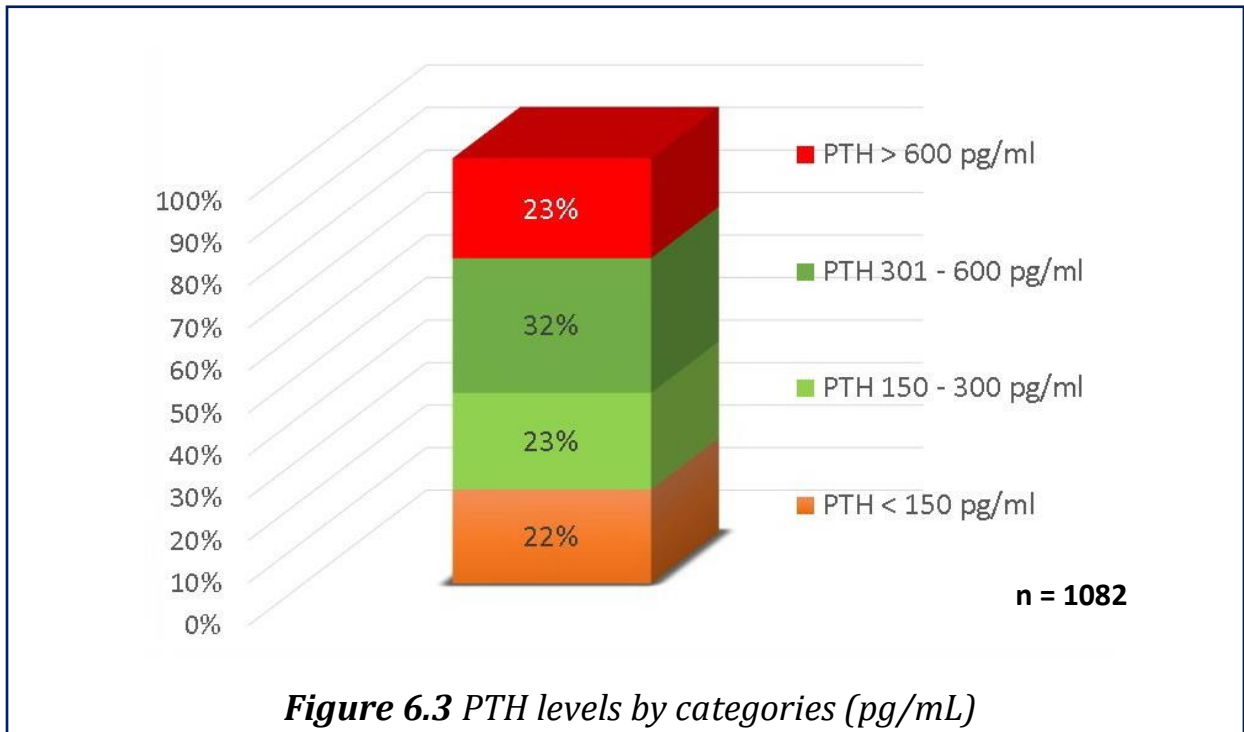
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Chapter 6: Mineral and Bone Disorder (MBD)

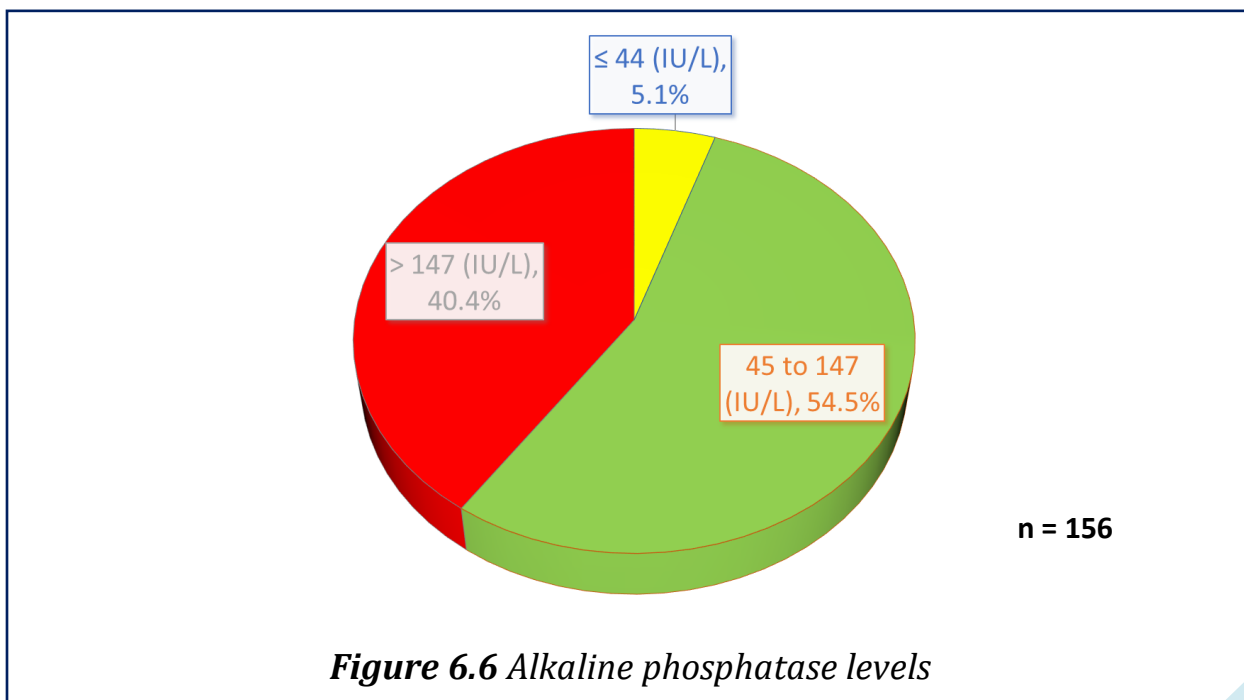
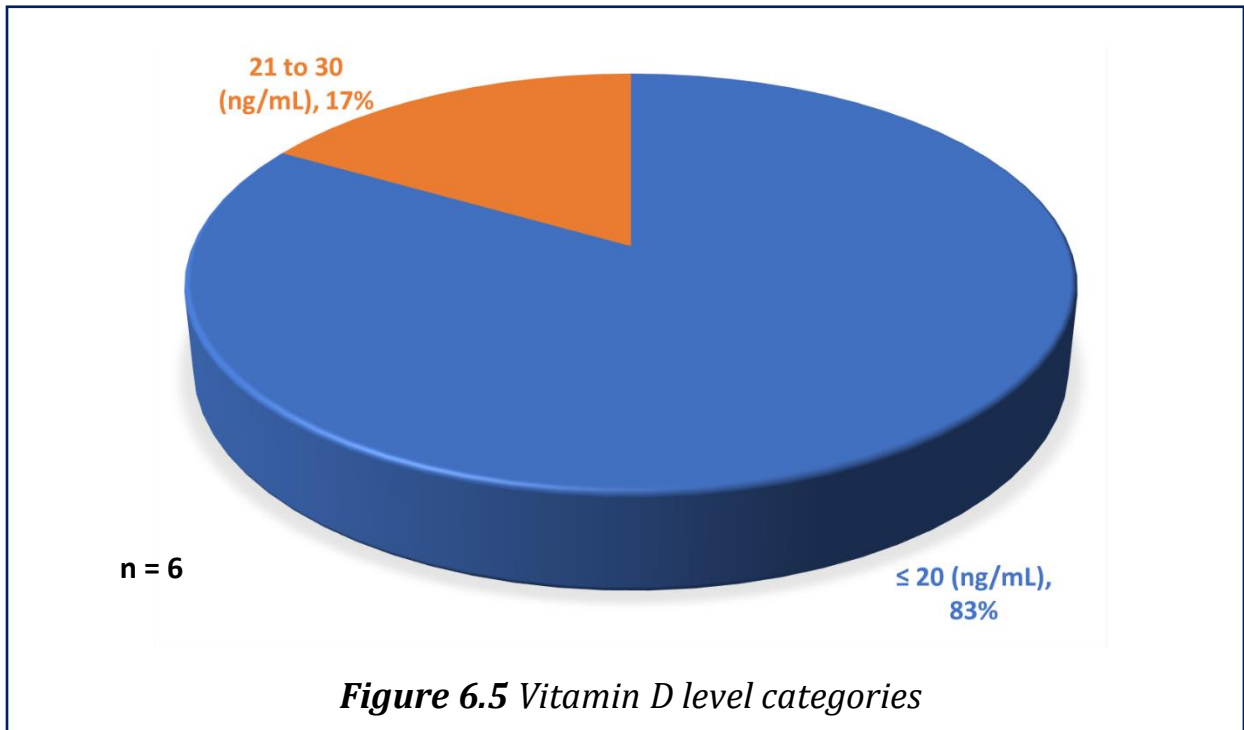
Chapter 6: Mineral and Bone Disorder (MBD)



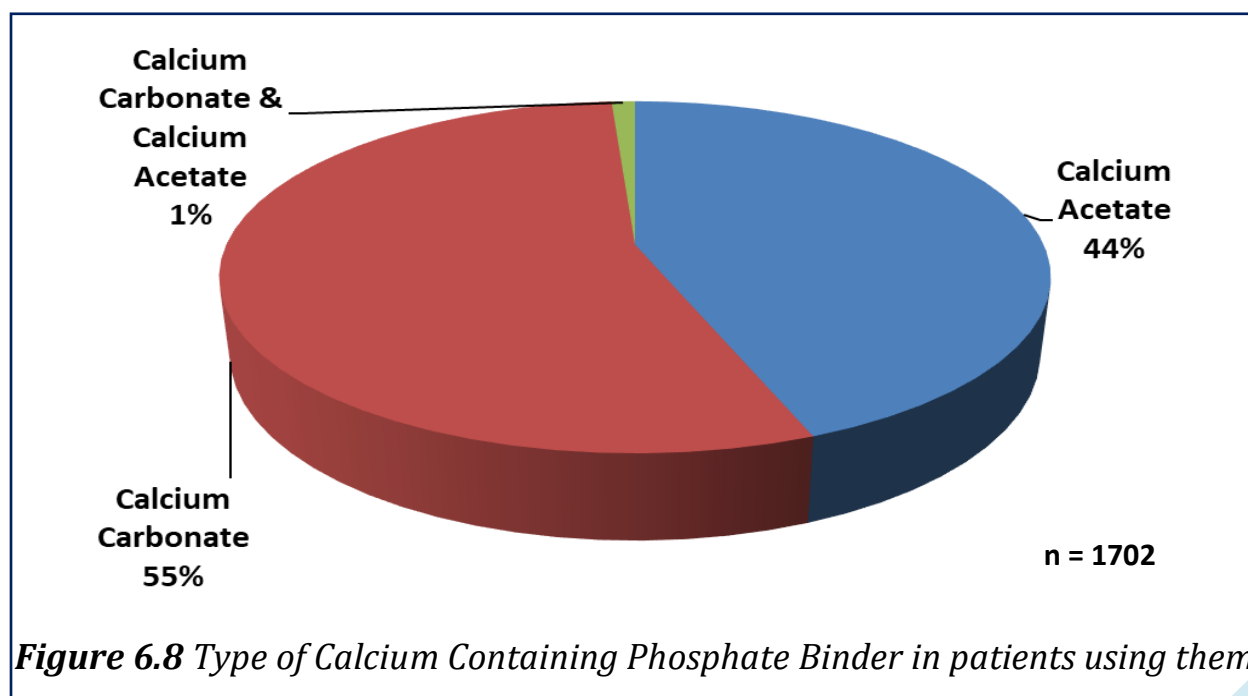
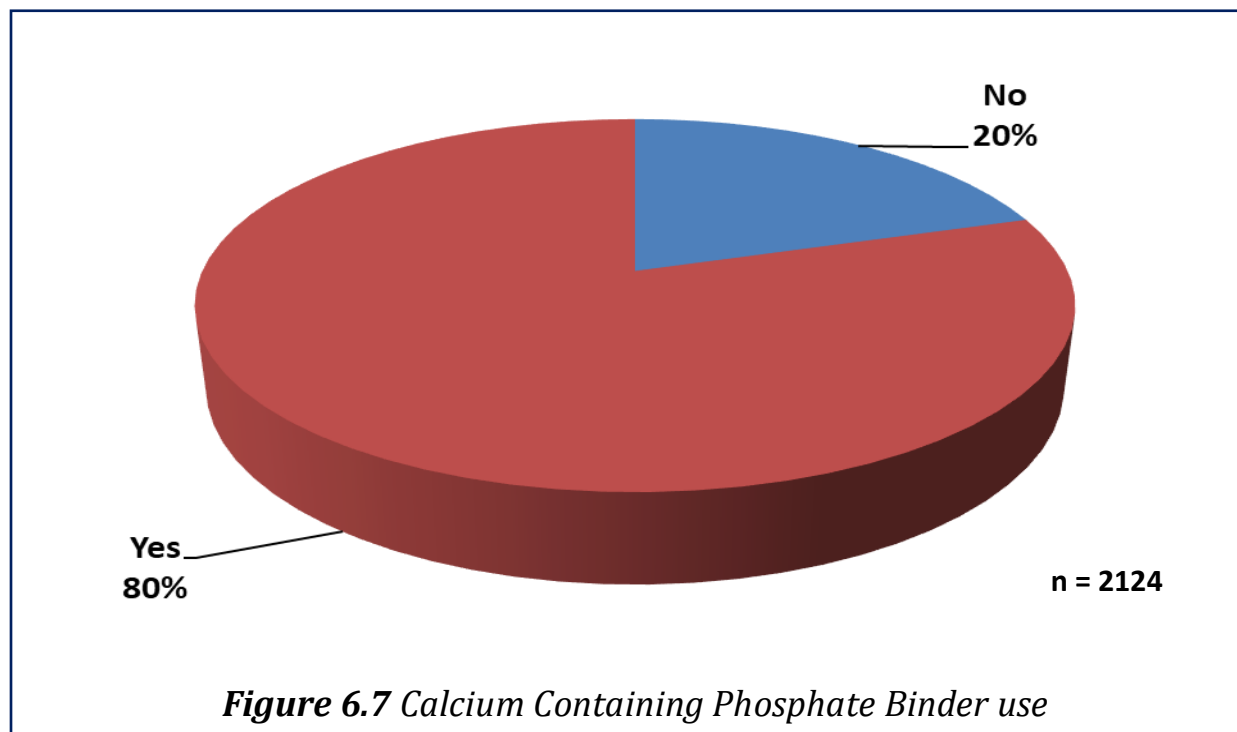
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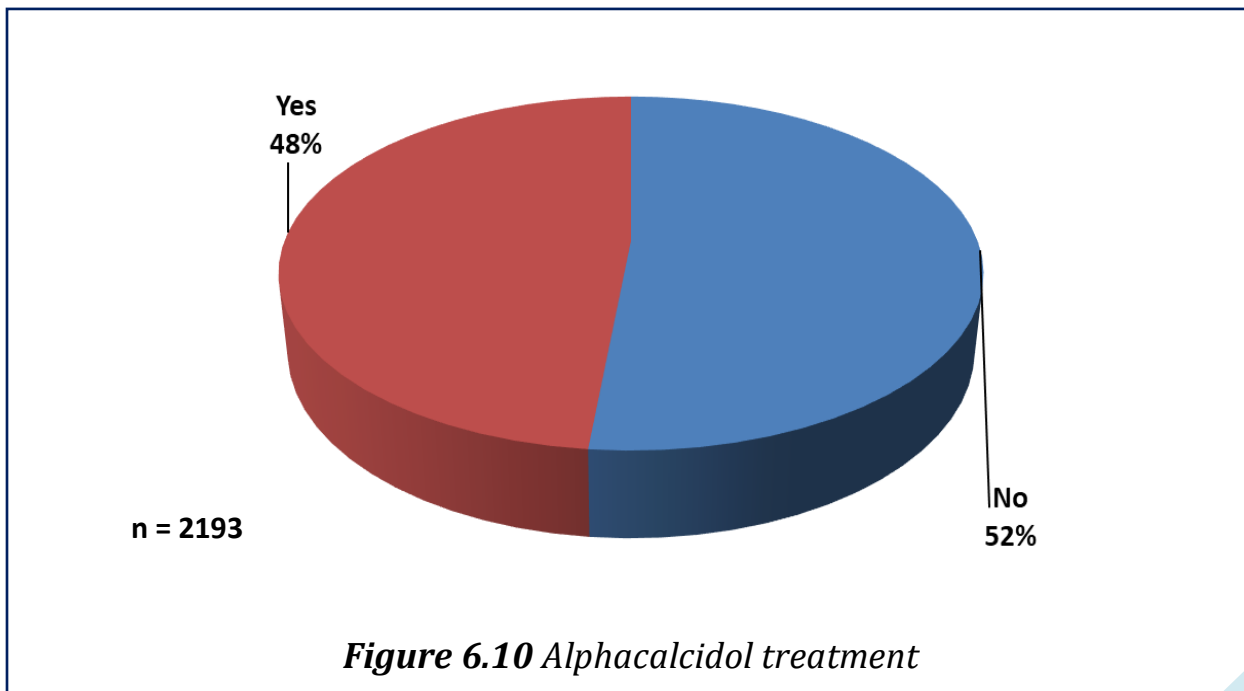
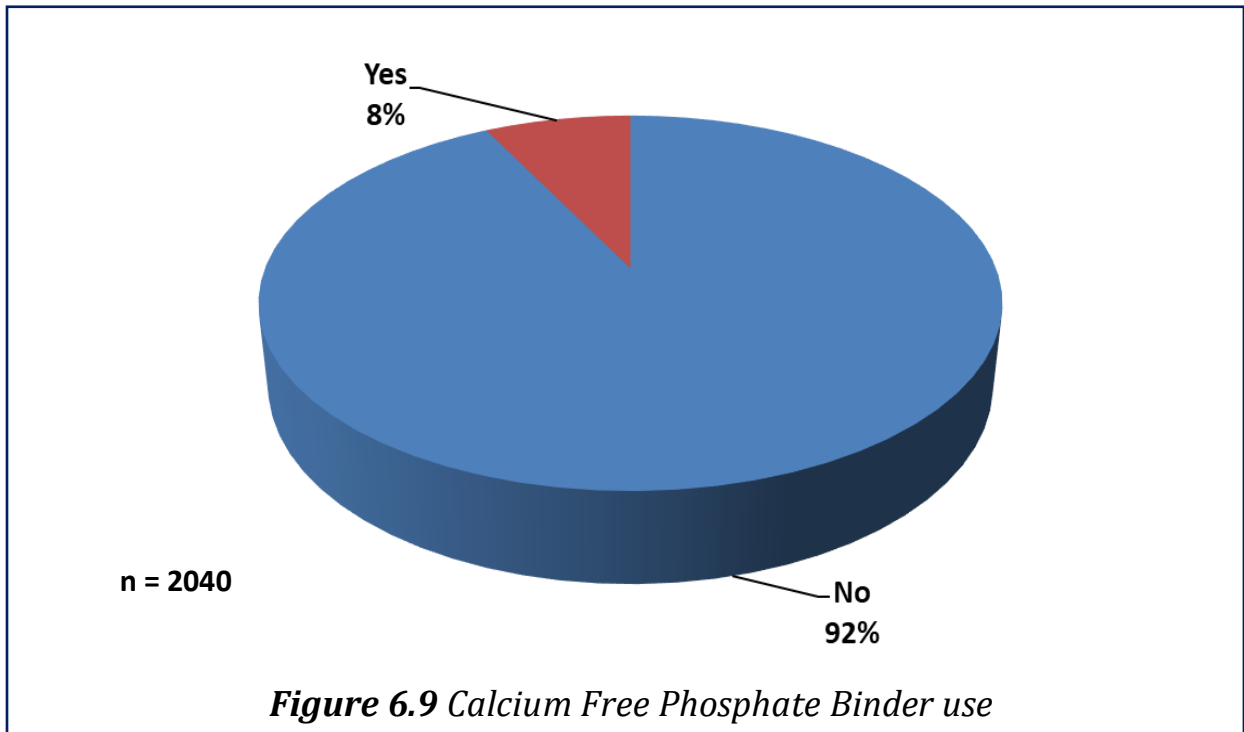
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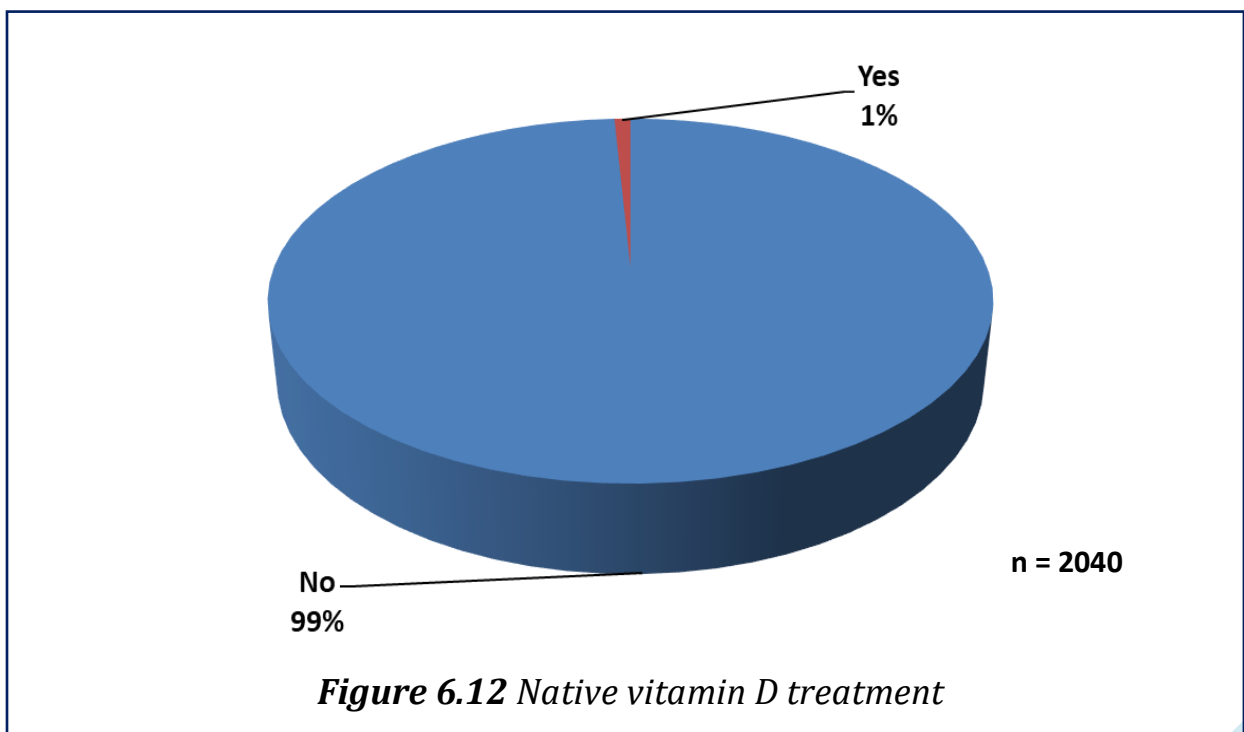
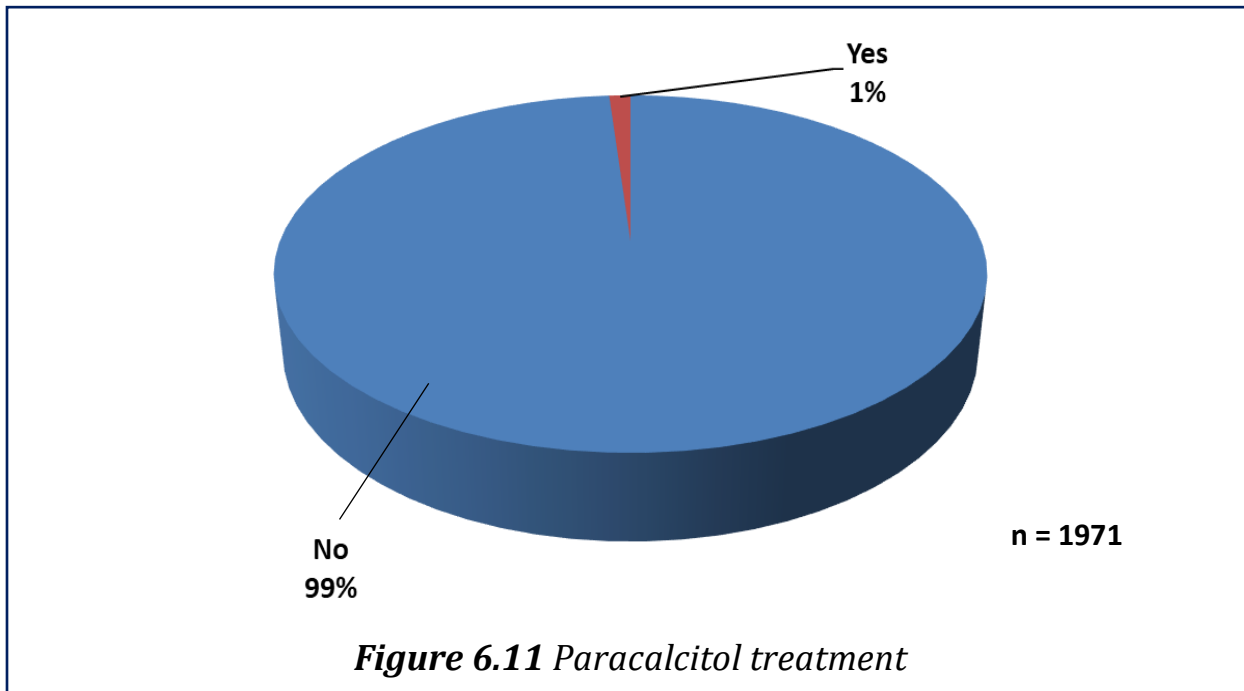
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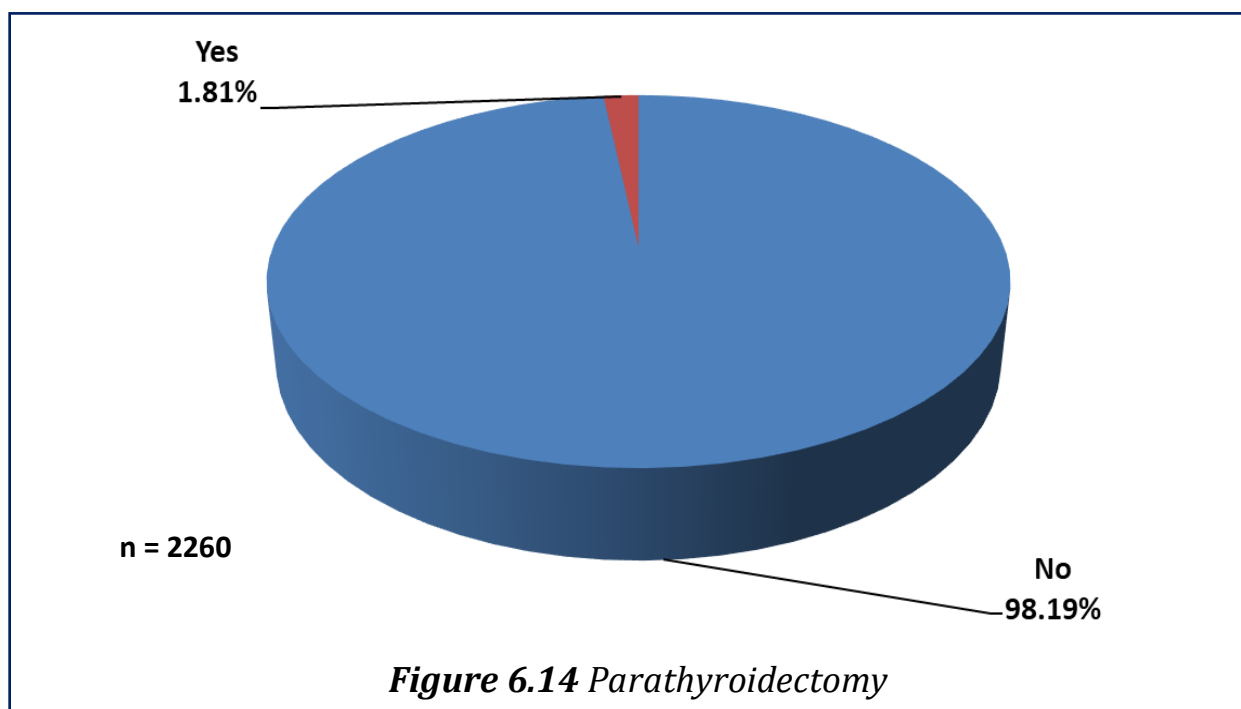
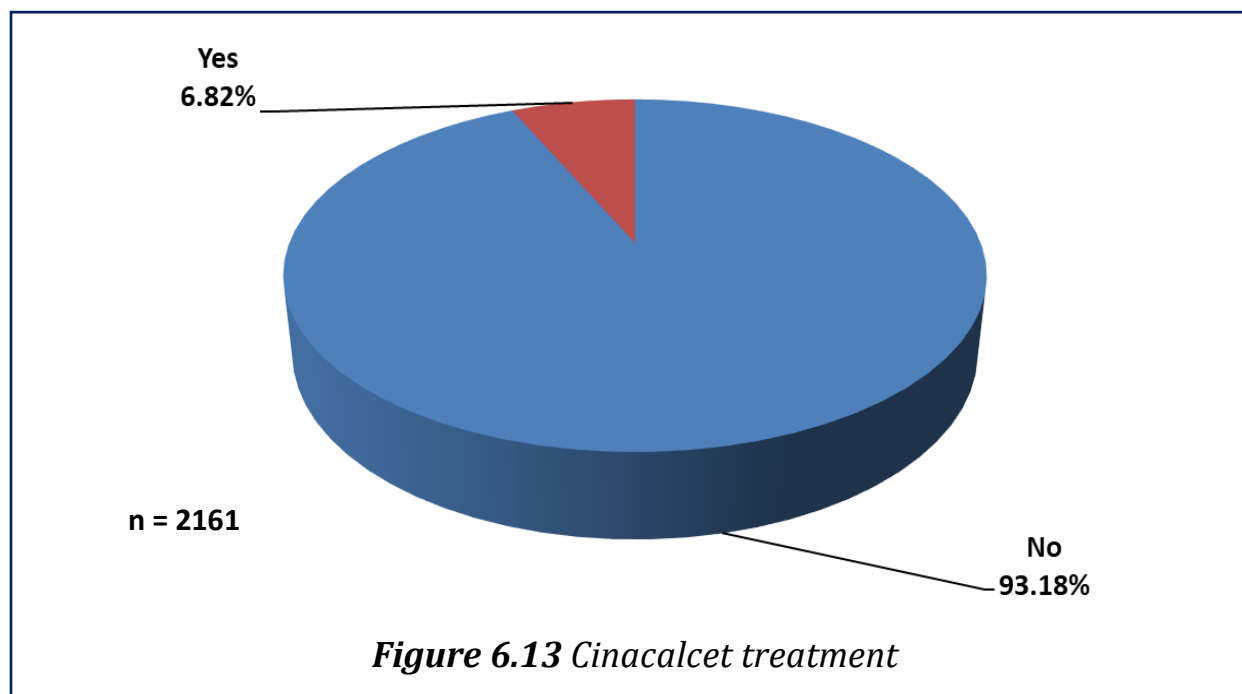
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Chapter 6: Mineral and Bone Disorder (MBD) (Continue)...



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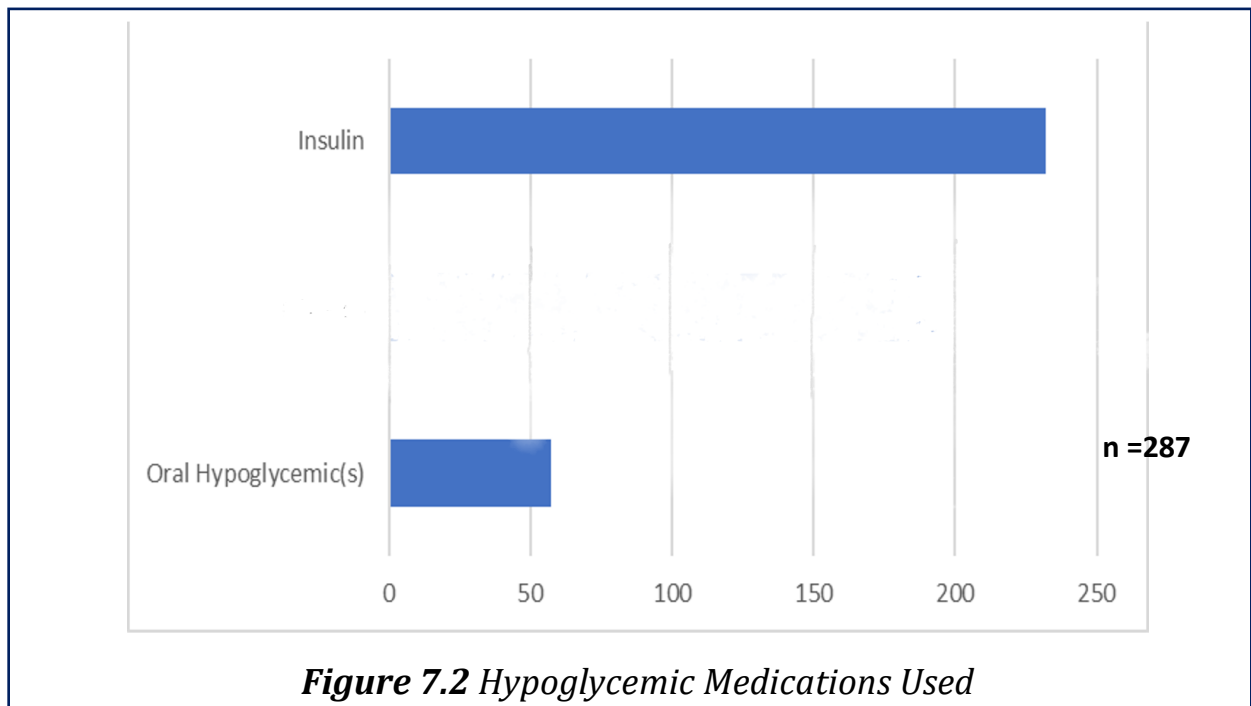
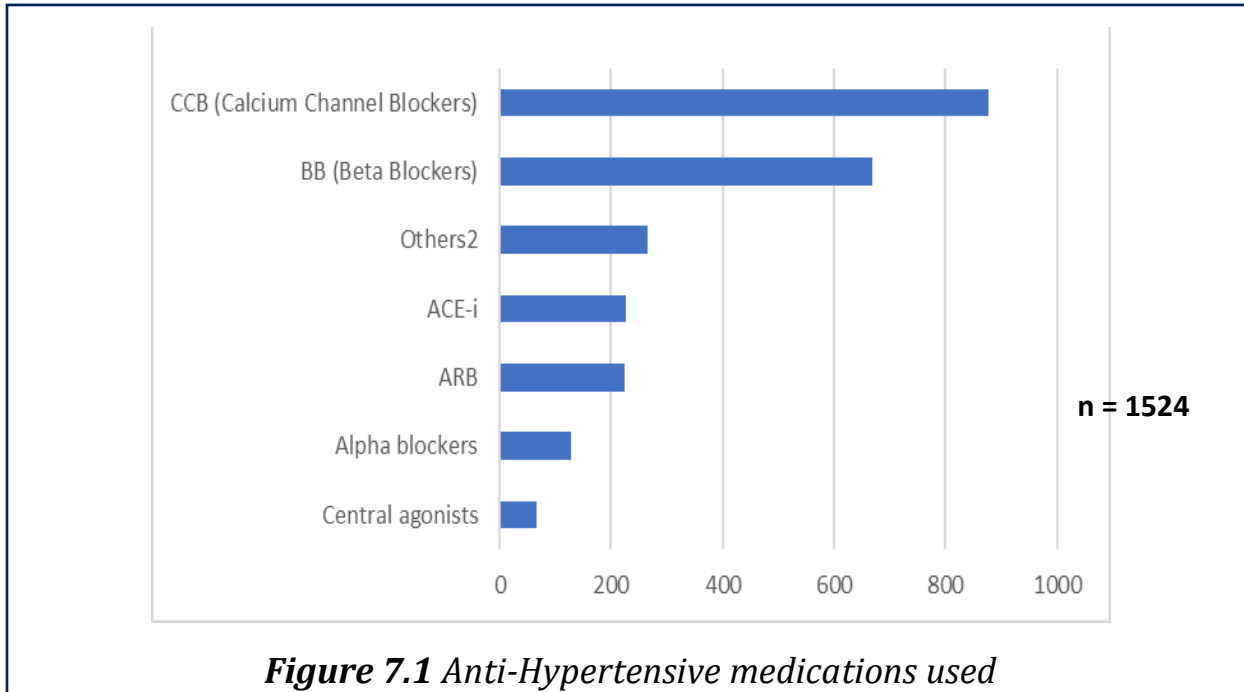


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Chapter 7: Hypertension and Diabetes Control

Chapter 7: Hypertension and Diabetes Control

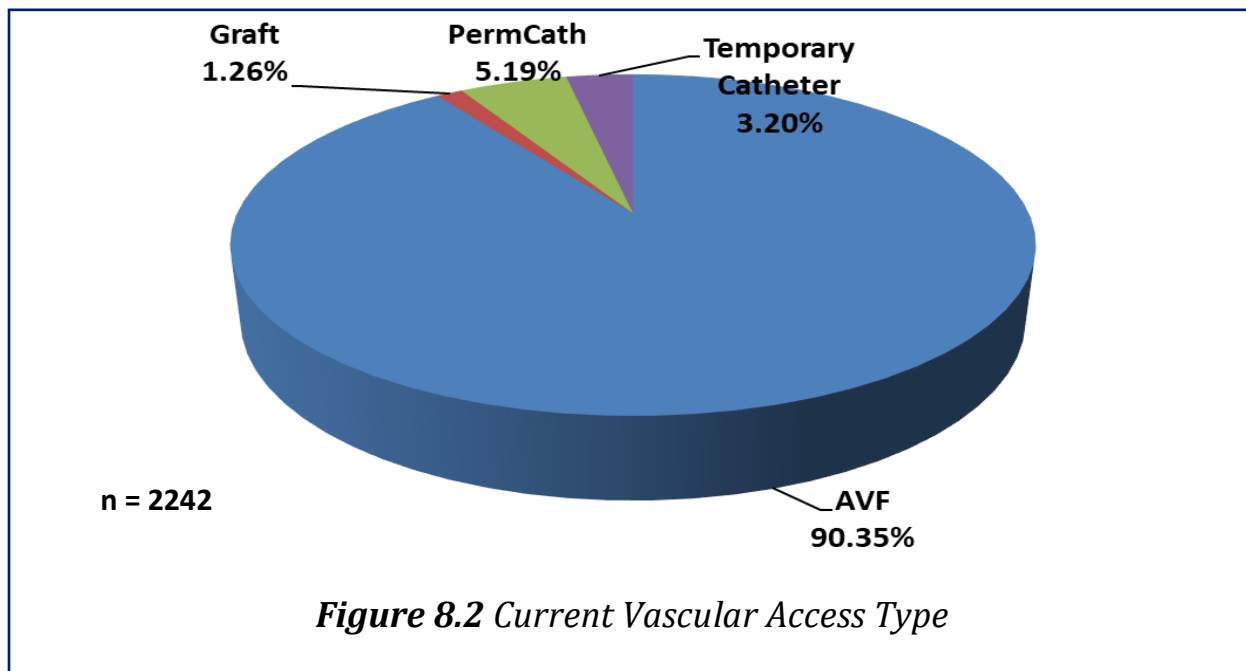
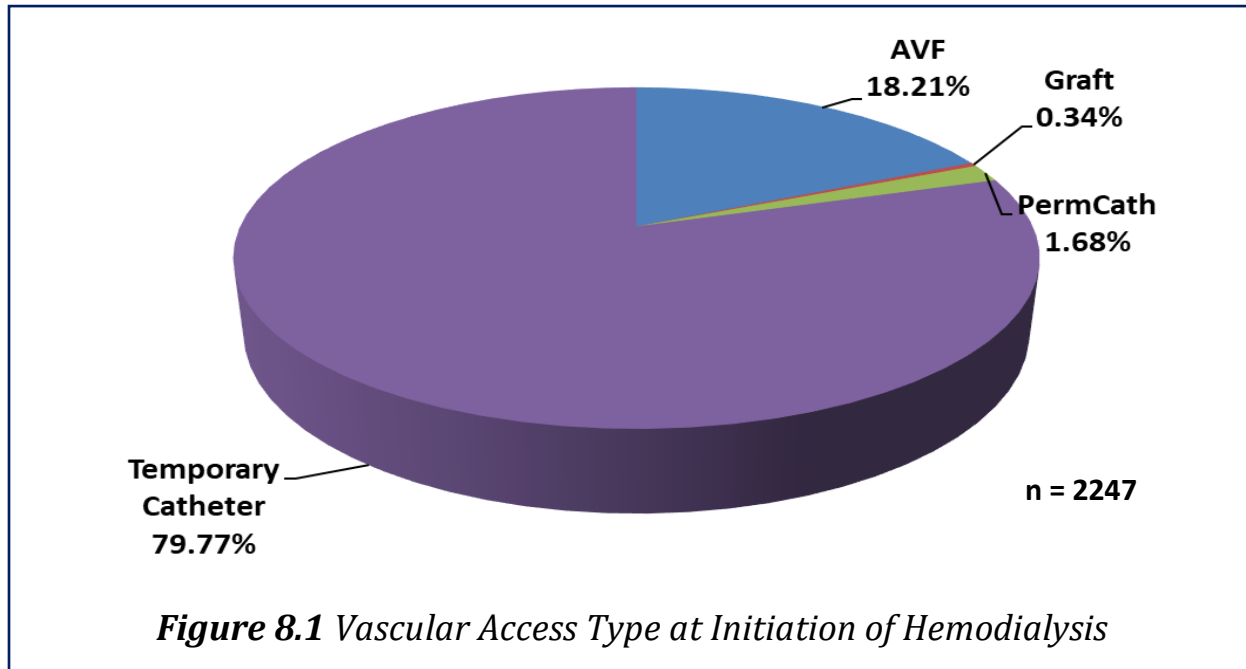


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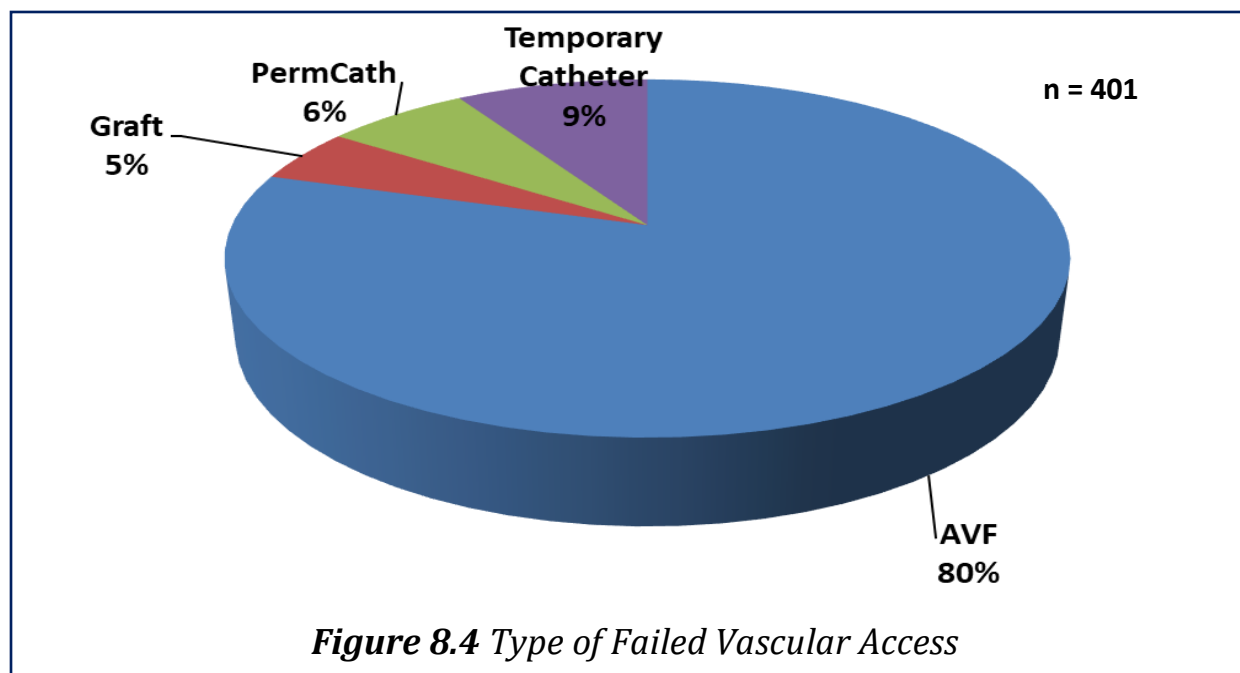
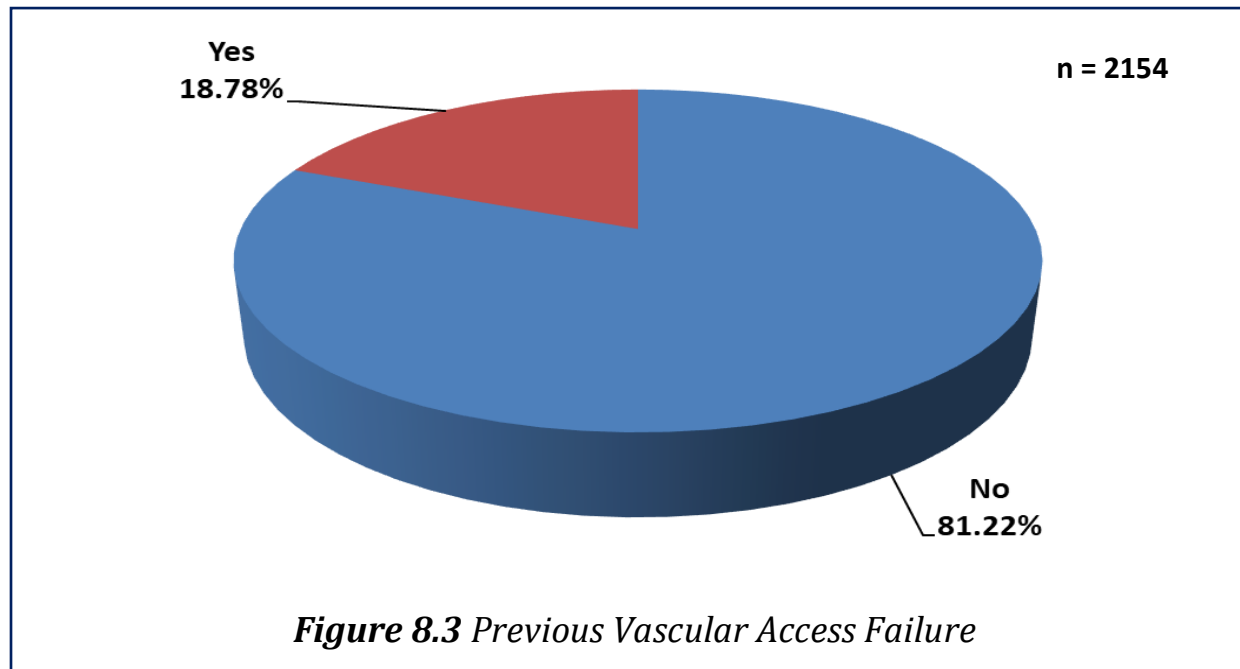
Egyptian Renal Data System

Chapter 8: Vascular Access

Chapter 8: Vascular Access



Chapter 8: Vascular Access (Continue)...

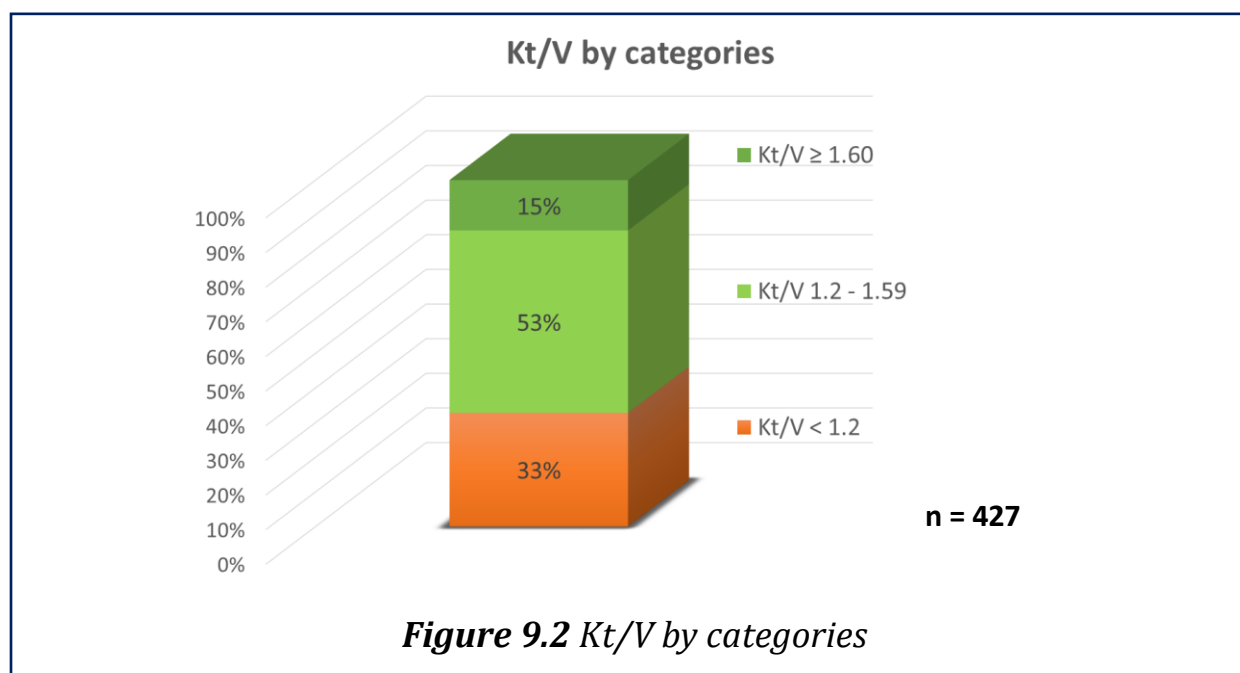
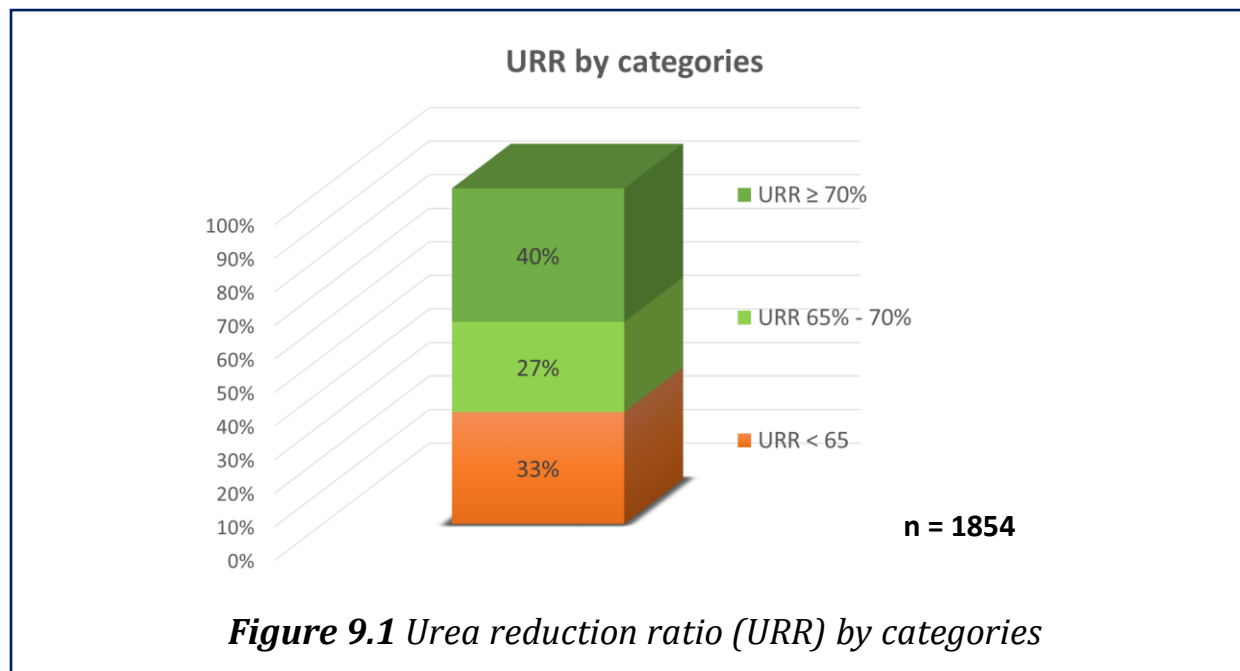


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Chapter 9: Dialysis Adequacy and Data

Chapter 9: Dialysis Adequacy and Data



Chapter 9: Dialysis Adequacy and Data (Continue)...

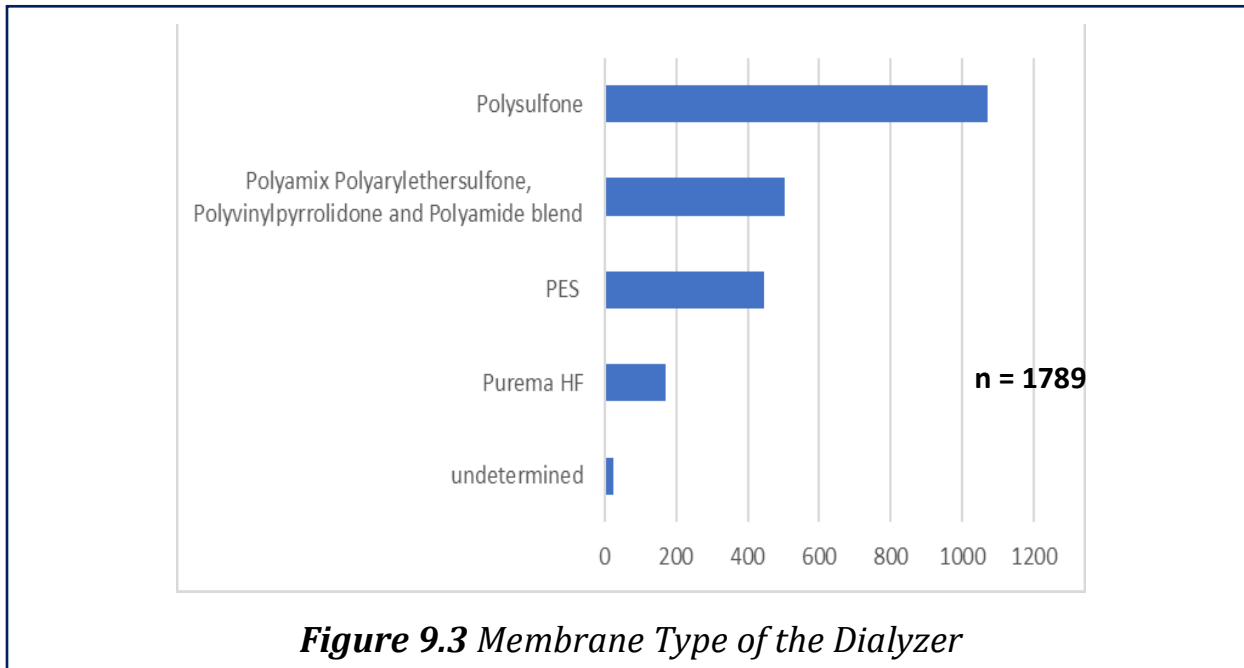


Figure 9.3 Membrane Type of the Dialyzer

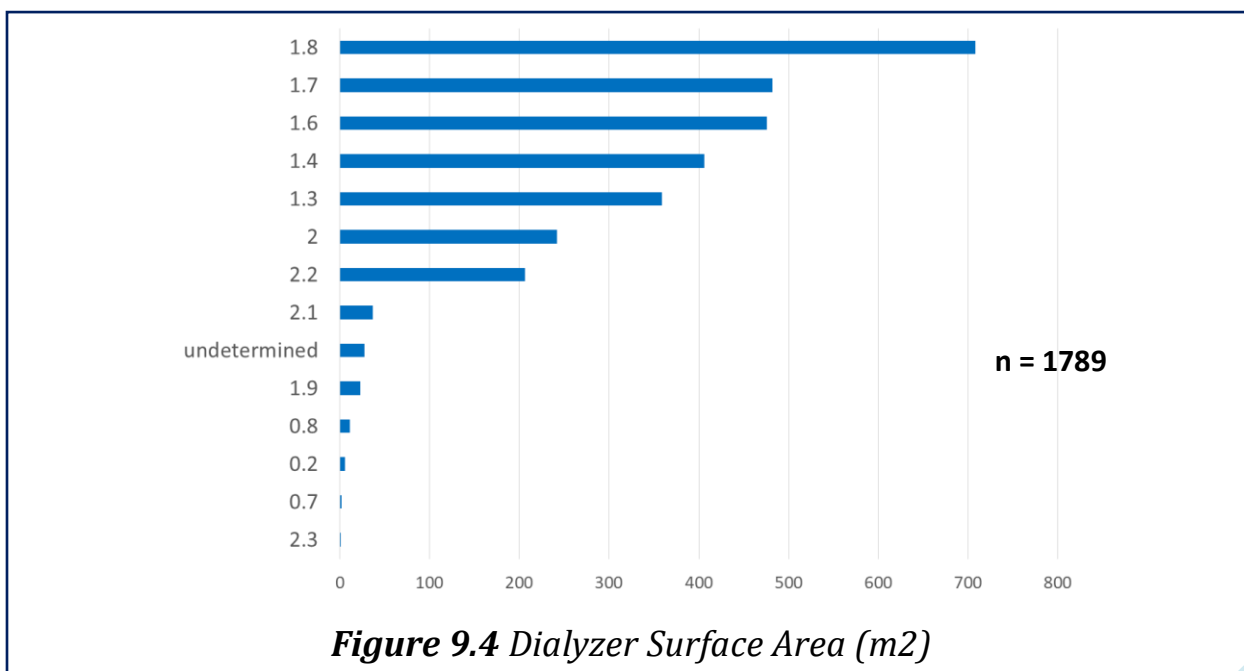
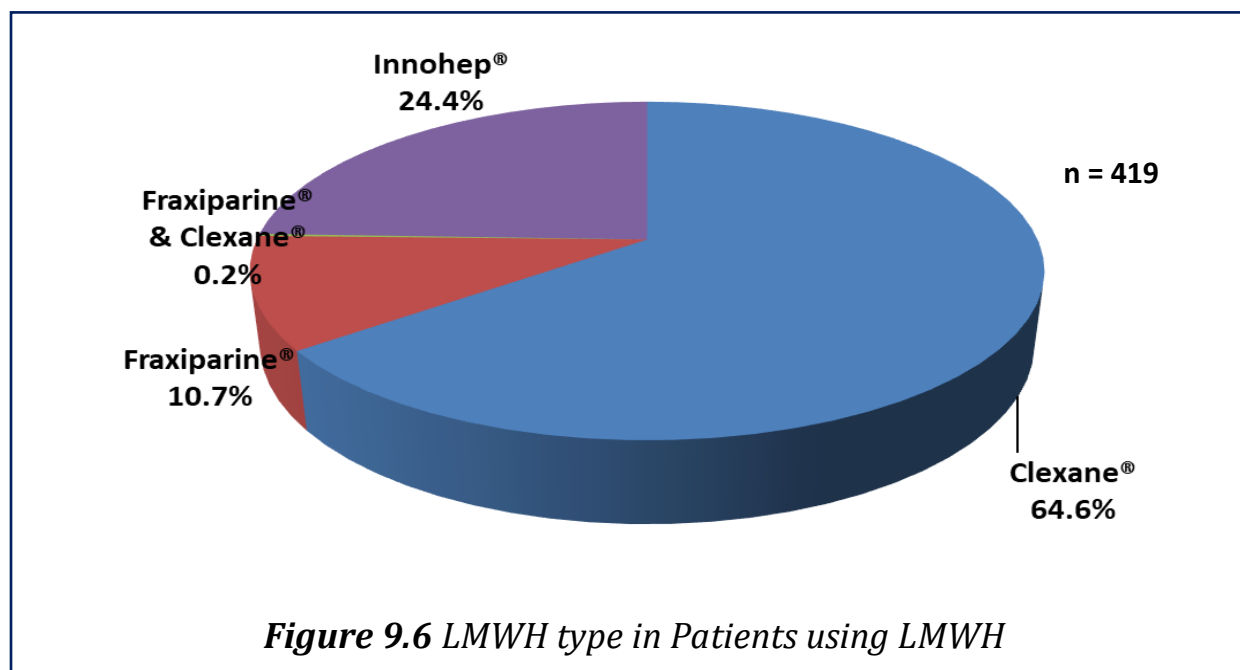
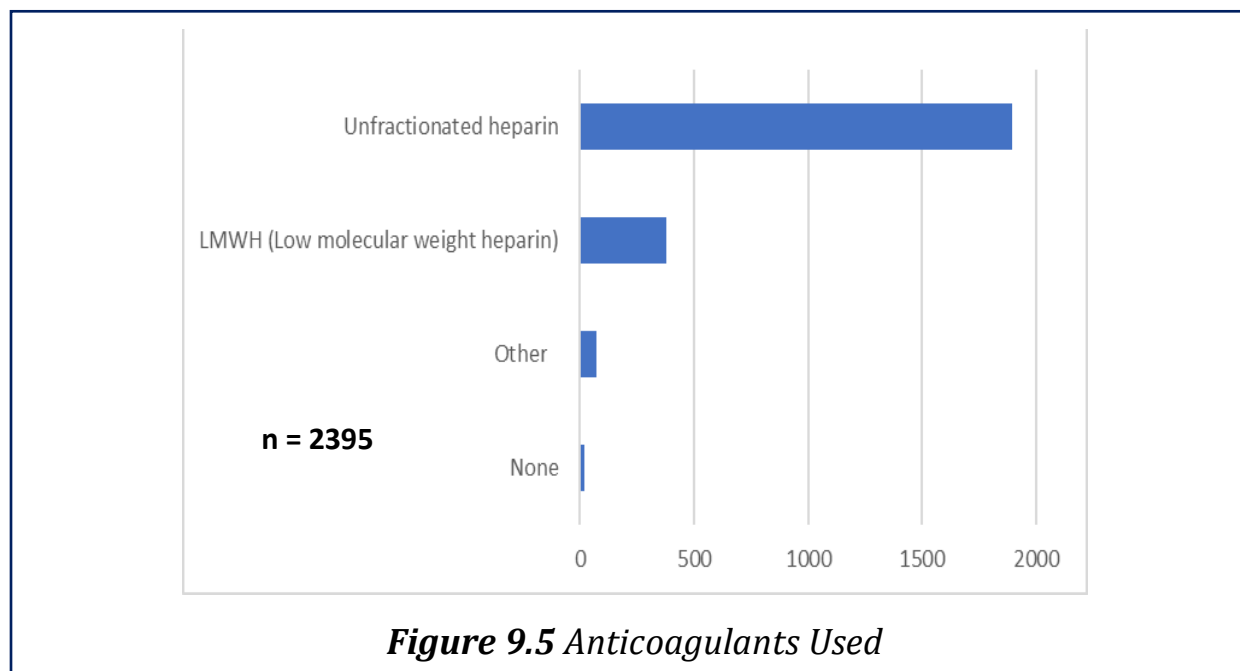
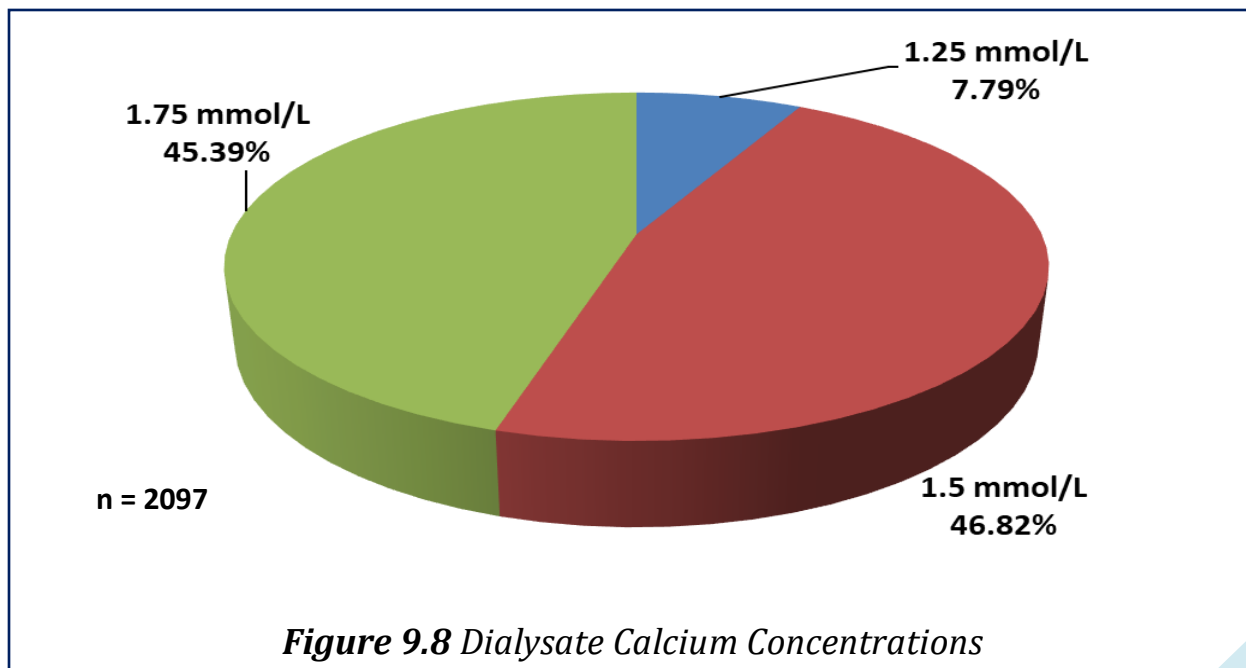
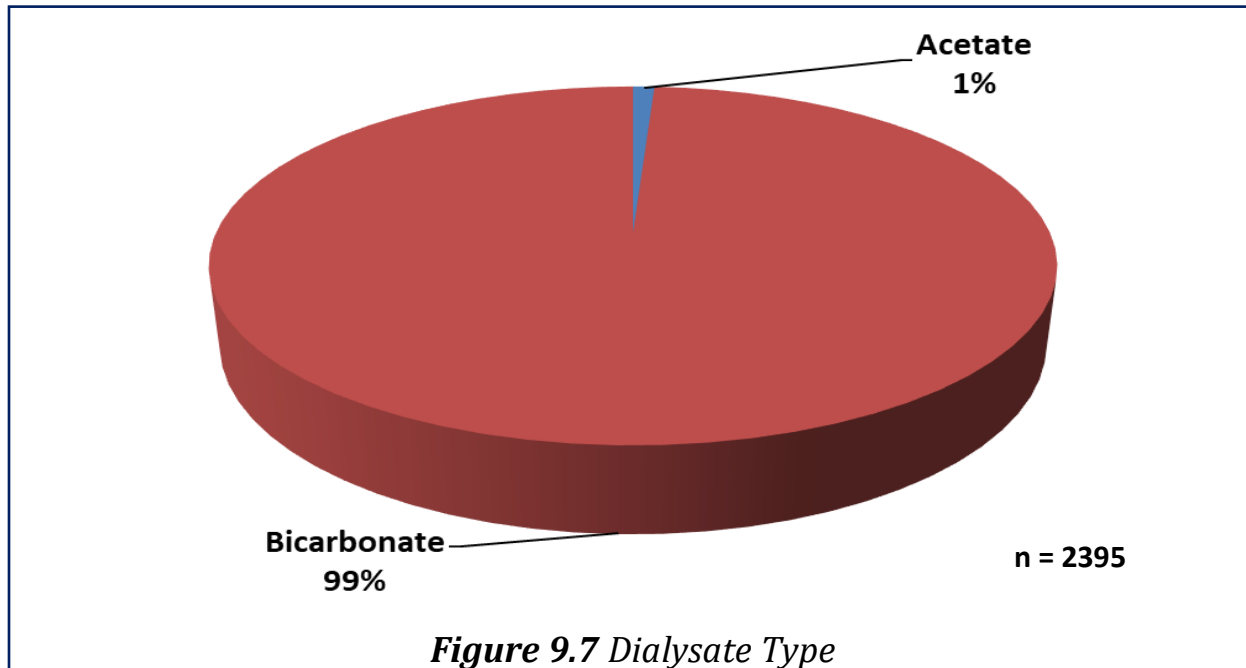


Figure 9.4 Dialyzer Surface Area (m2)

Chapter 9: Dialysis Adequacy and Data (Continue)...



Chapter 9: Dialysis Adequacy and Data (Continue)...

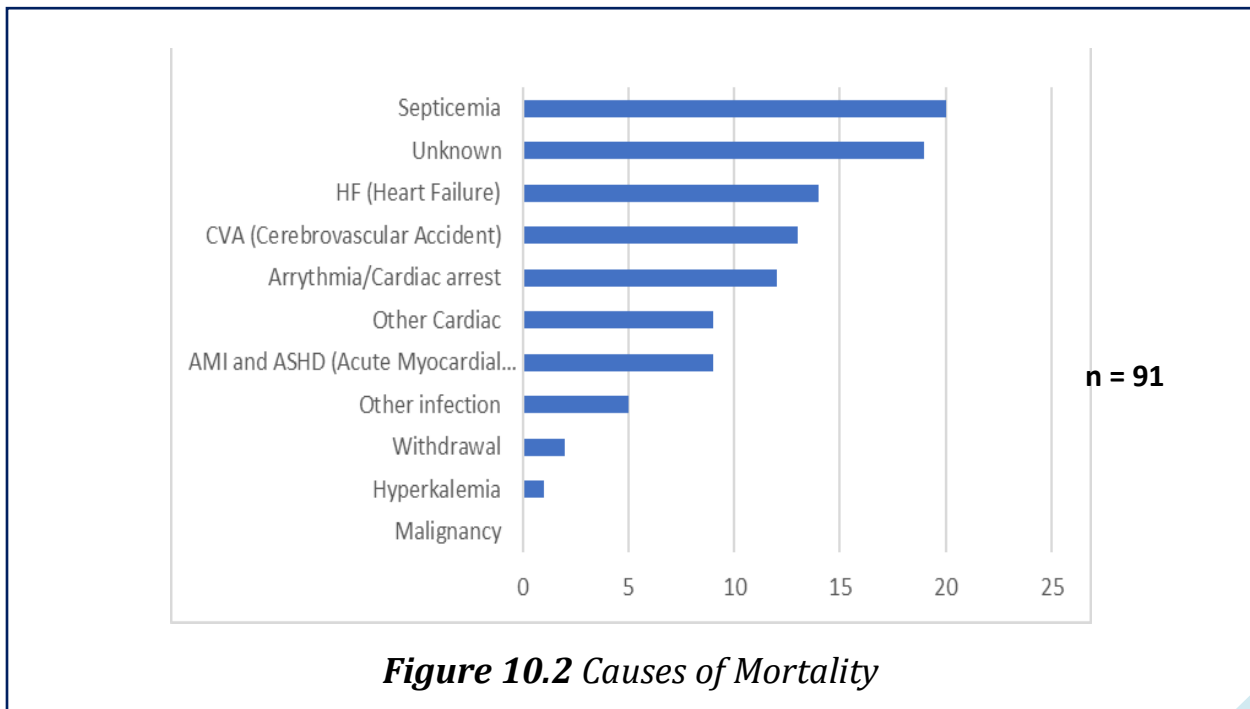
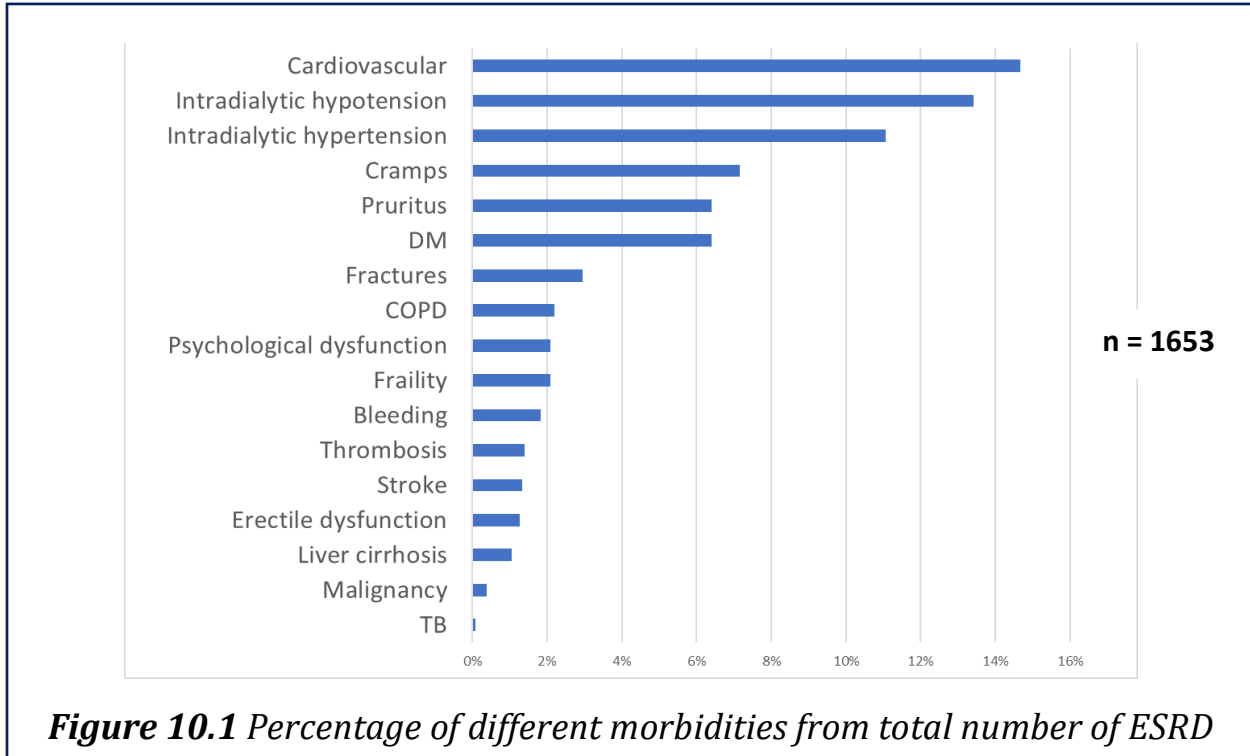


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Egyptian Renal Data System

Chapter 10: Morbidity and Mortality

Chapter 10: Morbidity and Mortality

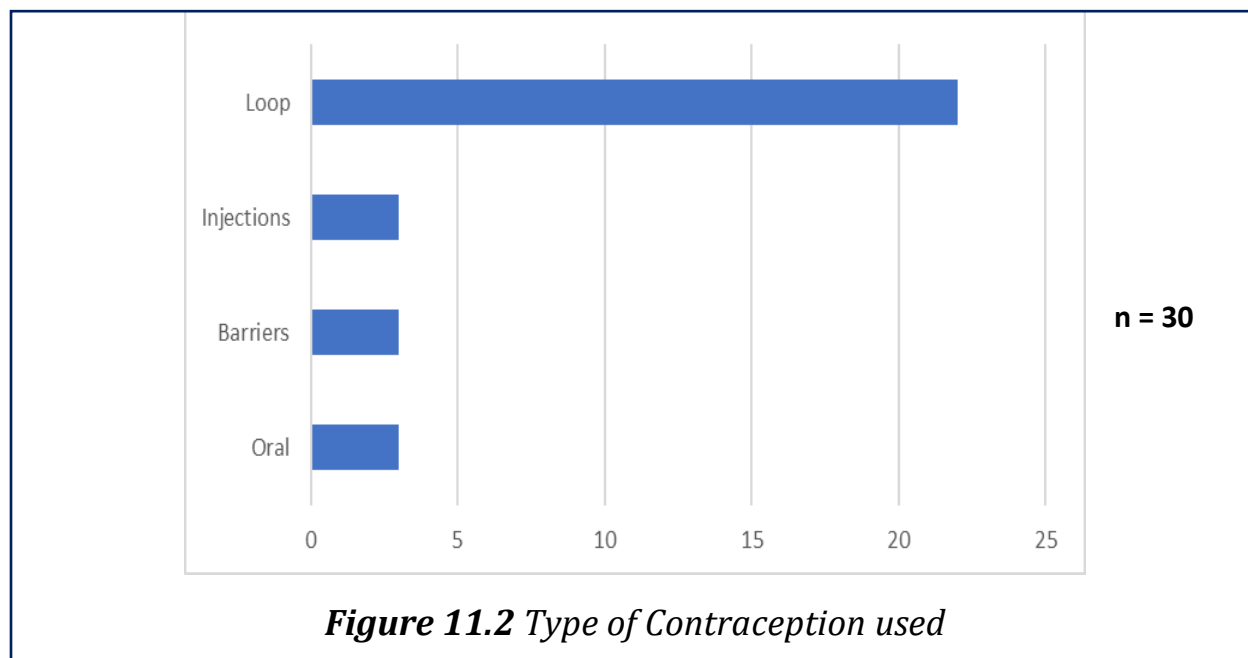
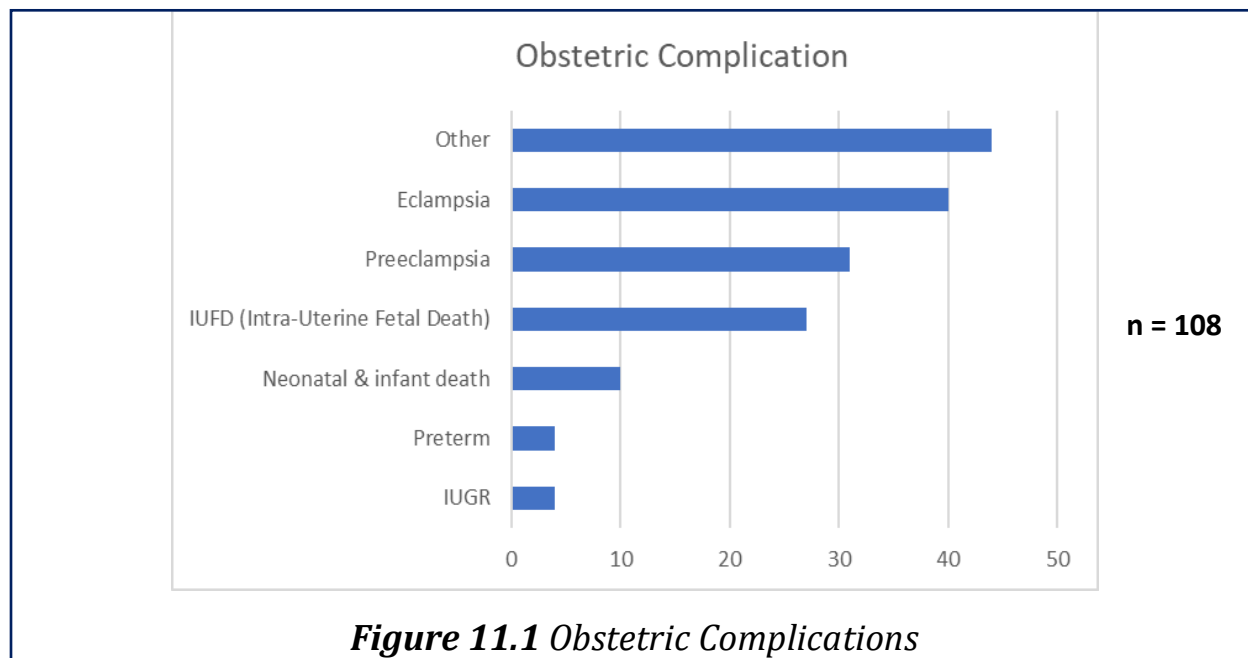


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Egyptian Renal Data System

Chapter 11: Conception

Chapter 11: Conception

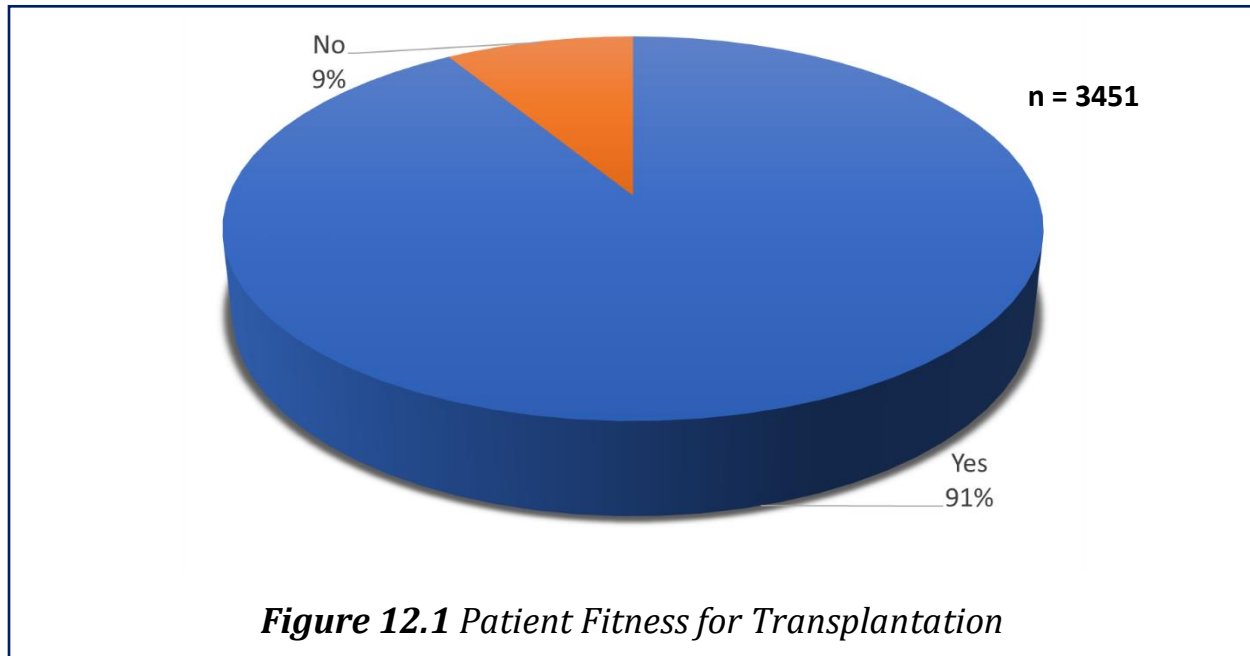


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Egyptian Renal Data System

Chapter 12: Transplantation

Chapter 12: Transplantation



The electronic health record system of ERDS system is powered by Yashfii.com

The link to the ERDS system can be found at Yashfii.com/IM”