

ANNUAL REPORT – YEAR 2020
MEDICAL UNIT – I
Holy Family Hospital, Rawalpindi

DR. MALIK SHEHR YAR
Internal Medicine Resident
Medical Unit 1, HFH

FACULTY OF MEDICAL UNIT - I

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Senior Registrar

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DR. IRUM SHAD
MBBS, FCPS

ANNUAL REPORT CONTRIBUTIONS

SUPERVISED BY:

DR. SAIMA AMBREEN

Associate Professor Medicine
Head of the Department, MU-I

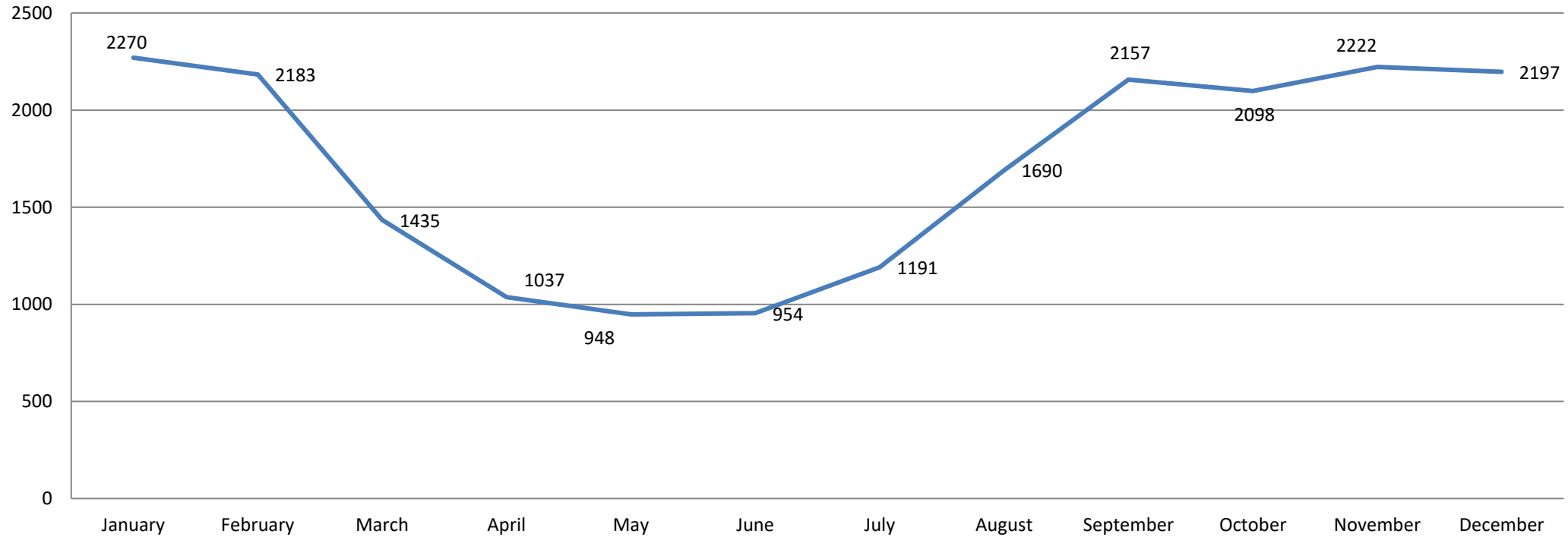
PGT Incharge of Annual Report	Dr. Malik Shehr Yar
Ward Annual Report	Dr. Nabila Javed, Dr. Aalia Javed
Ward Mortality Annual Report	Dr. Malik Shehr Yar
ER Annual Report	Dr. Nauman Zafar, Dr. Fatima Zia
ER Mortality Annual Report	Dr. Malik Shehr Yar
OPD Annual Report	Dr. Ambar

ANNUAL REPORT OF MEDICAL EMERGENCY

GENDER WISE DISTRIBUTION OF PATIENTS

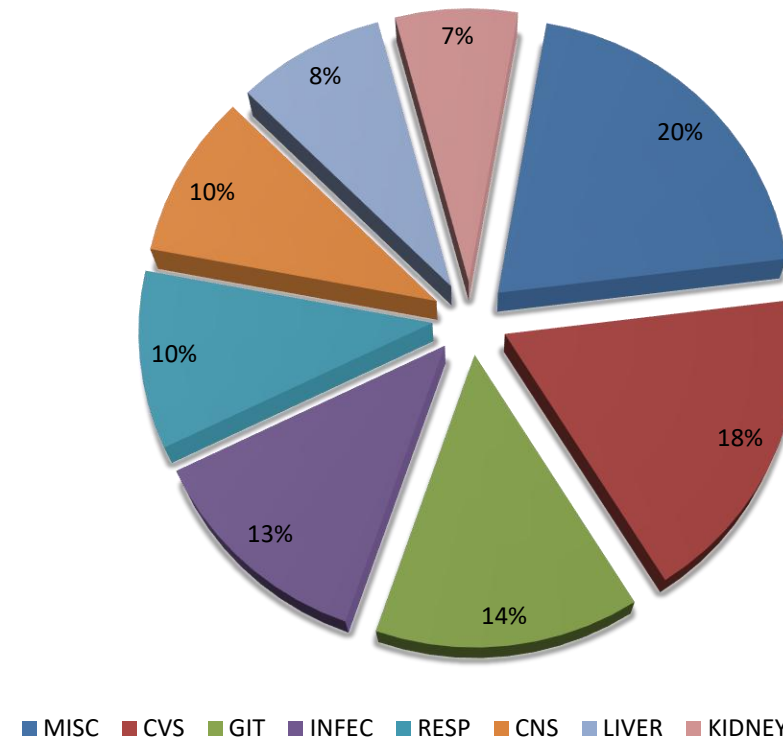
MONTH	MALE PATIENTS	FEMALE PATIENTS	TOTAL NO. OF PATIENTS
January	1,289	981	2,270
February	1,170	1,013	2,183
March	804	631	1,435
April	628	409	1,037
May	576	372	948
June	591	363	954
July	672	519	1,191
August	926	764	1,690
September	1,304	853	2,157
October	1,137	961	2,098
November	1,190	1,032	2,222
December	1,271	926	2,197
Total	11,558	8,824	20,382

MONTH WISE DISTRIBUTION OF PATIENTS



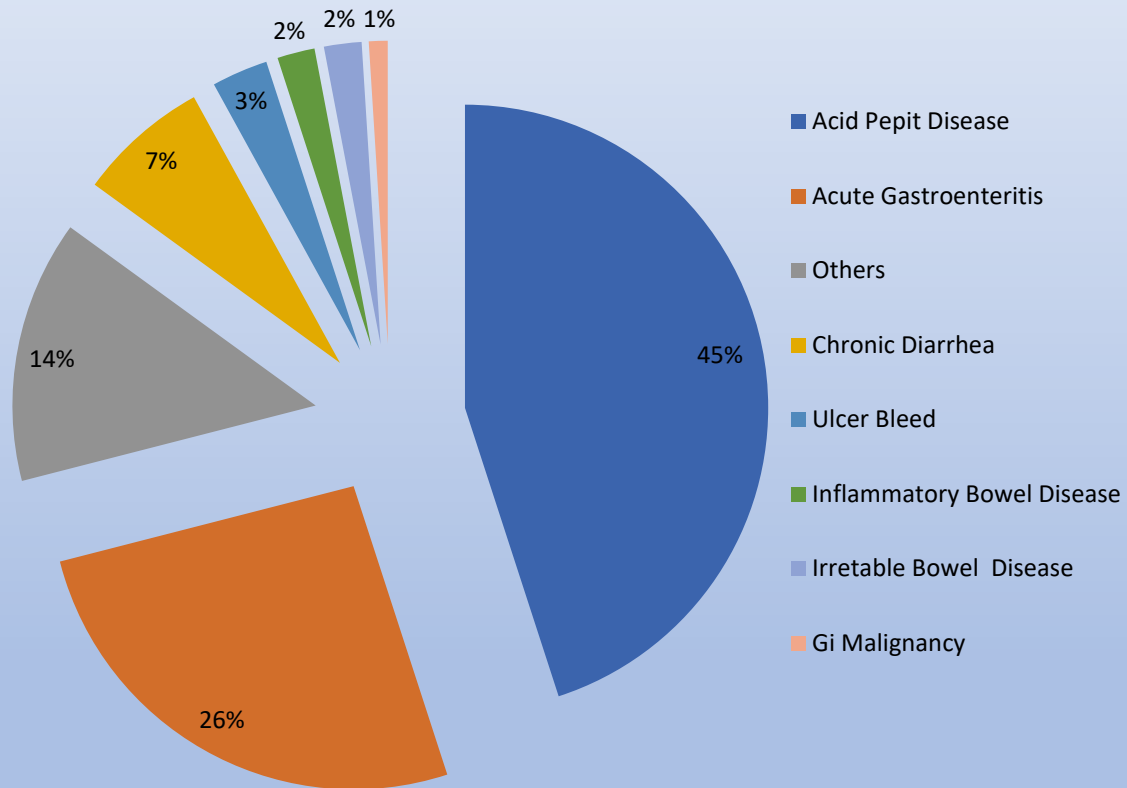
SYSTEM WISE DETAIL OF PATIENTS

Systems	No. of Patients	%age
MISC (Incl Poisoning Cases)	4,134 (3133 cases of Poisoning)	20
CVS	3,678	18
GIT	2,892	14
INFEC/ COVID	2,554	13
RESP	2,068	10
CNS	1,923	9
LIVER	1,717	8
KIDNEY	1,416	7
Total	20,382	

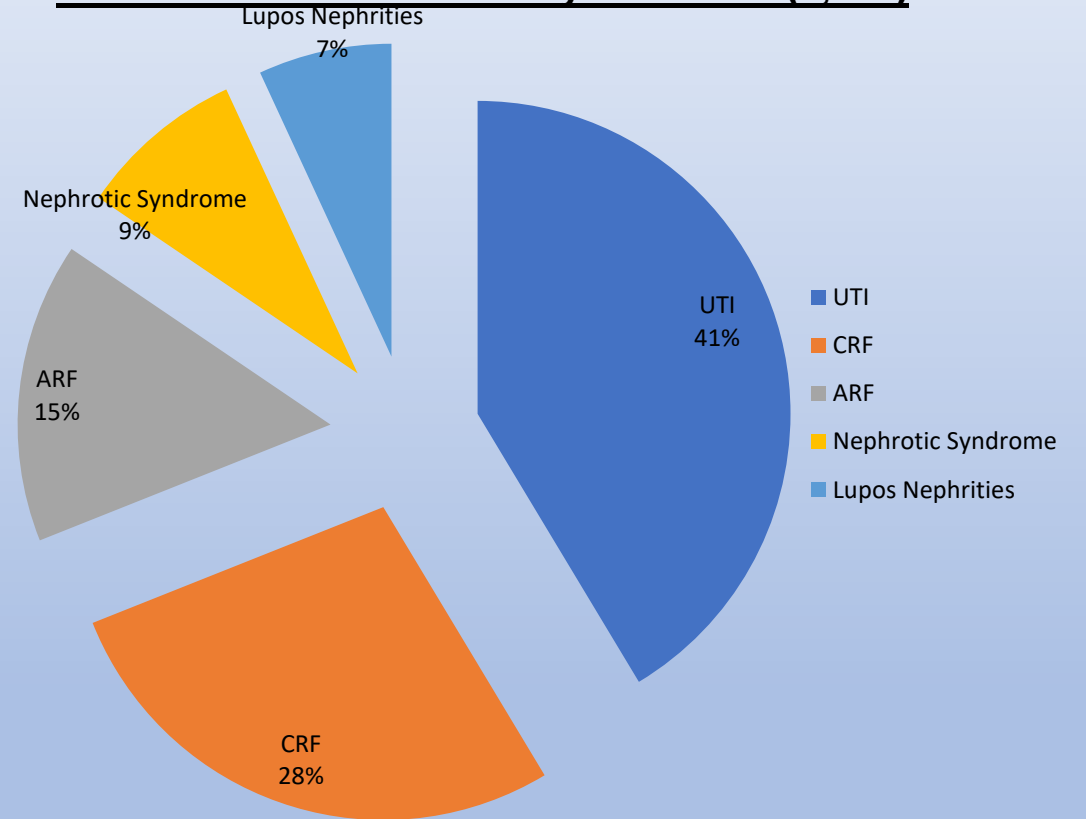


SYSTEM WISE DETAIL OF PATIENTS

Distribution of GIT Patients – (2,892)

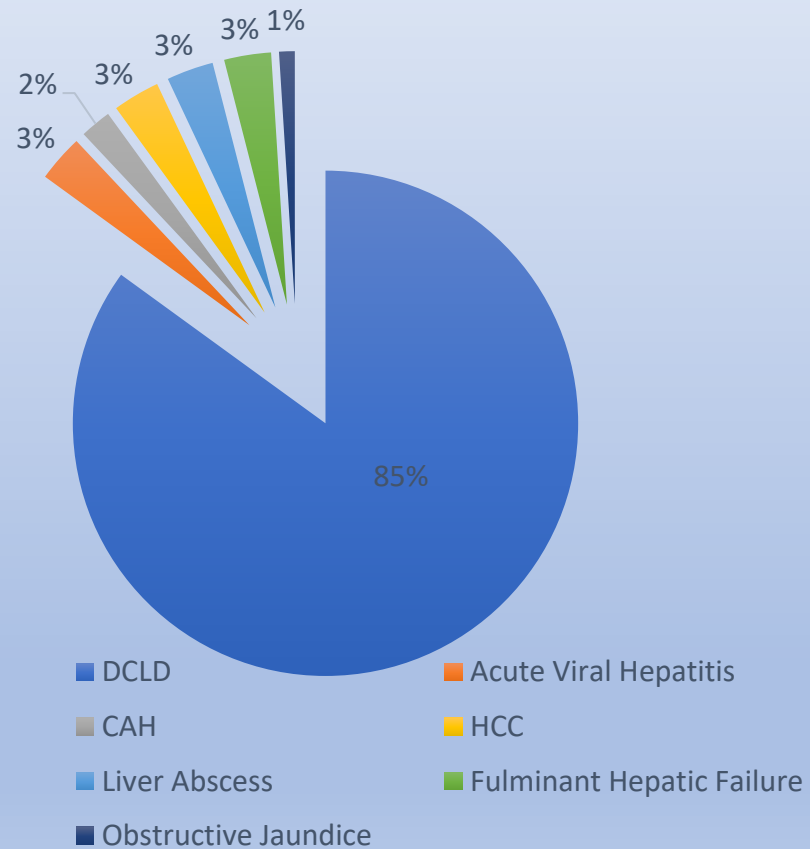


Distribution of Genitourinary Patients – (1,416)

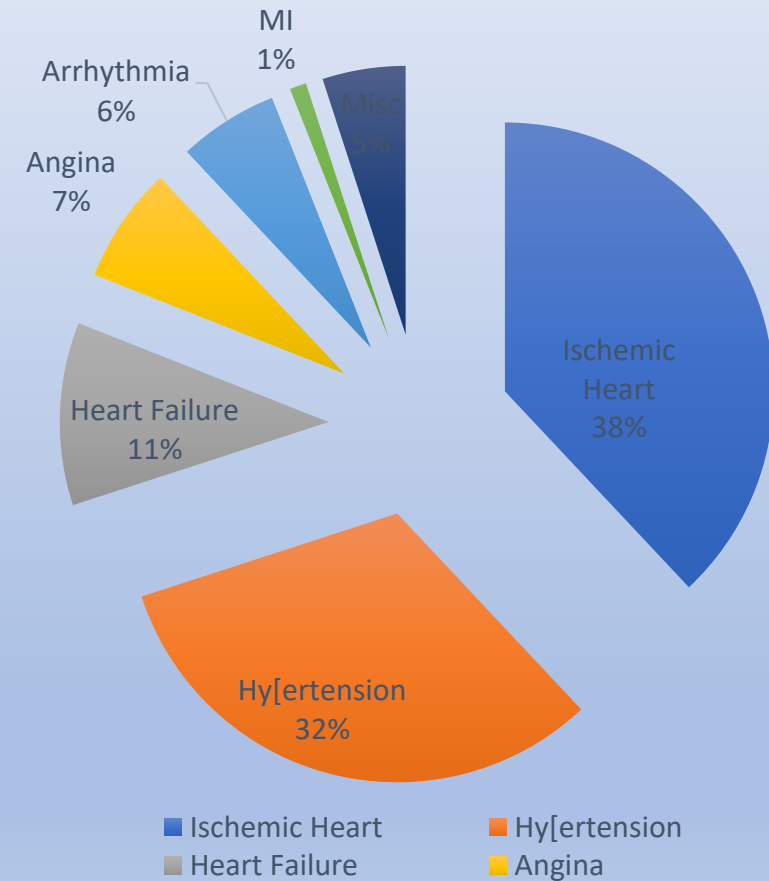


SYSTEM WISE DETAIL OF PATIENTS

Distribution of LIVER Patients – (1,717)

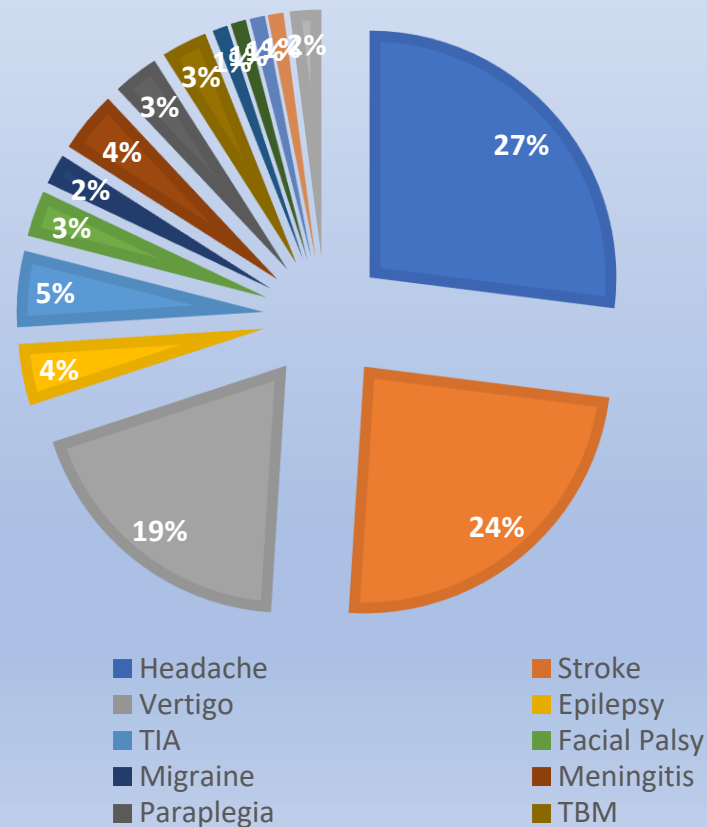


Distribution of CVS Patients – (3,678)

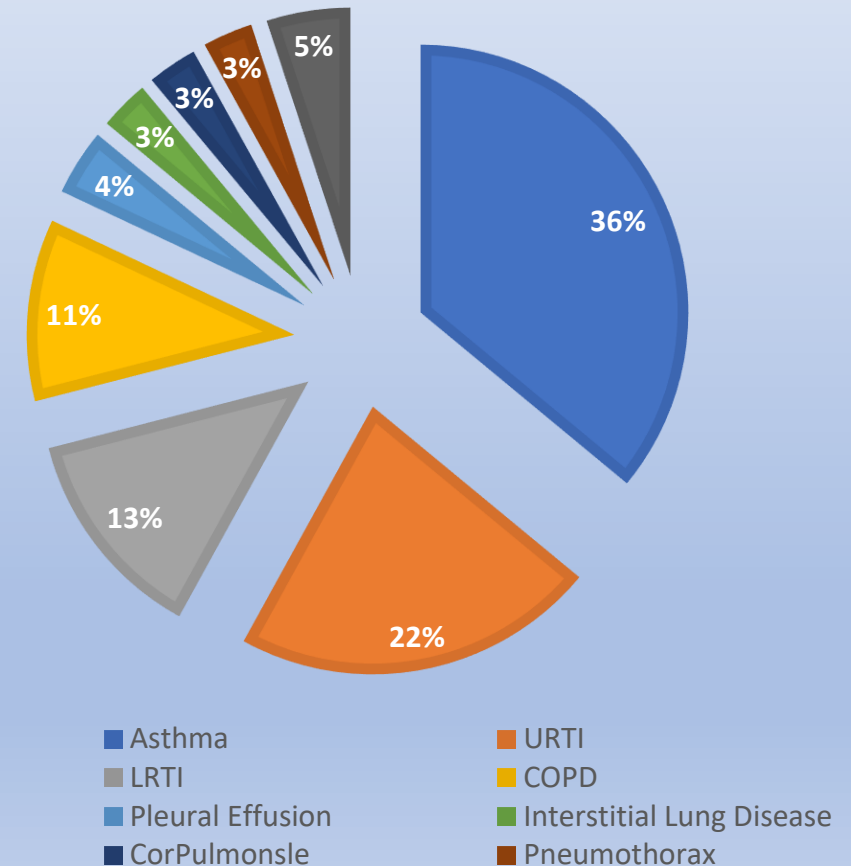


SYSTEM WISE DETAIL OF PATIENTS

Distribution of CNS Patients – (1,923)



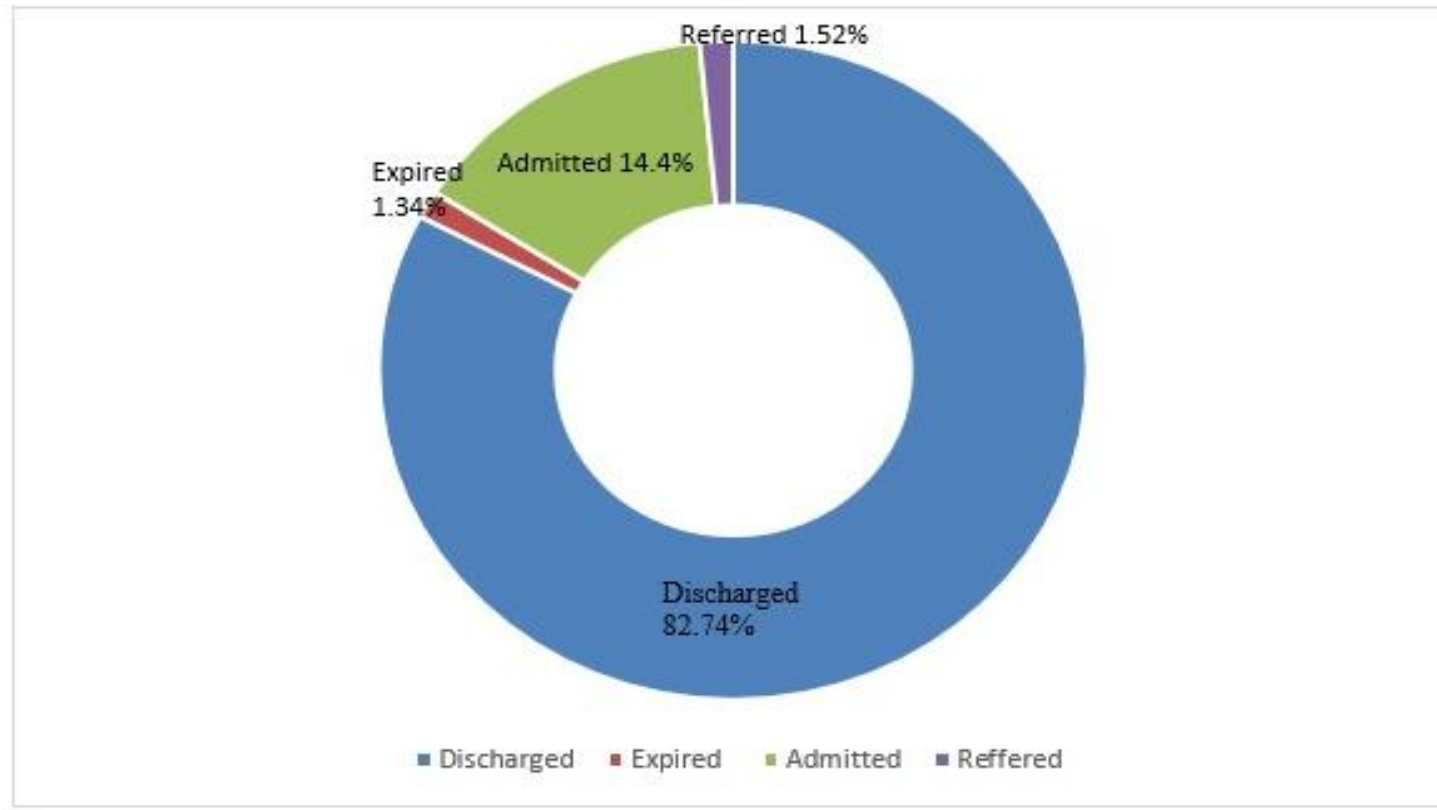
Distribution of Respiratory System Patients – (2,068)



COVID BAY – MEDICAL ER

Month	Number of Patients Seen
April	125
May	240
June	200
July	147
August	30
September	43
October	105
November	100
December	70
TOTAL	1060

OUTCOME OF PATIENTS PRESENTING IN MEDICAL ER



ANNUAL REPORT OF THE WARD

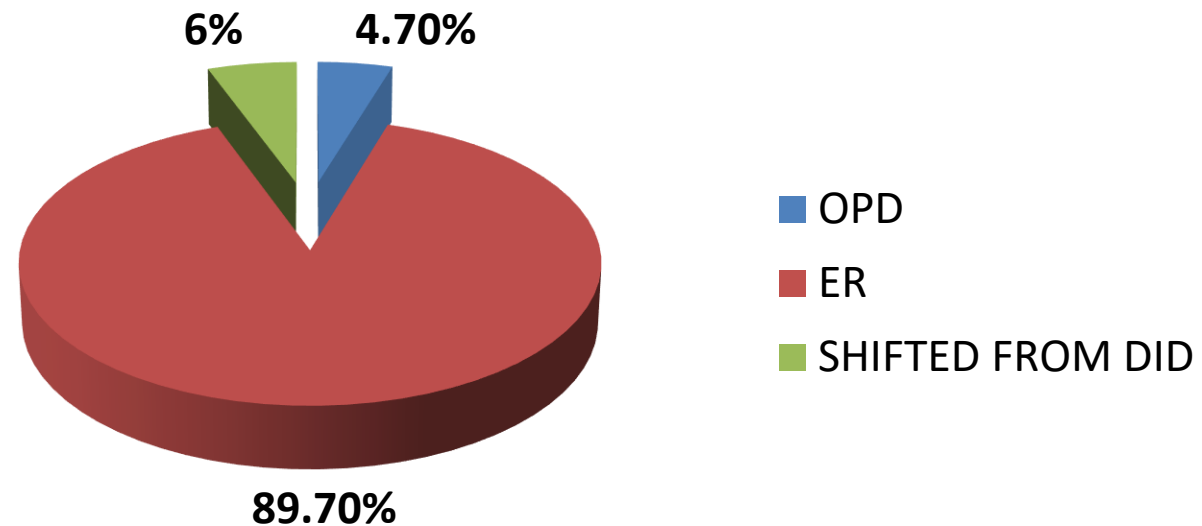
ADMISSIONS AUDIT

TOTAL WARD ADMISSIONS

3275

SOURCE OF ADMISSIONS

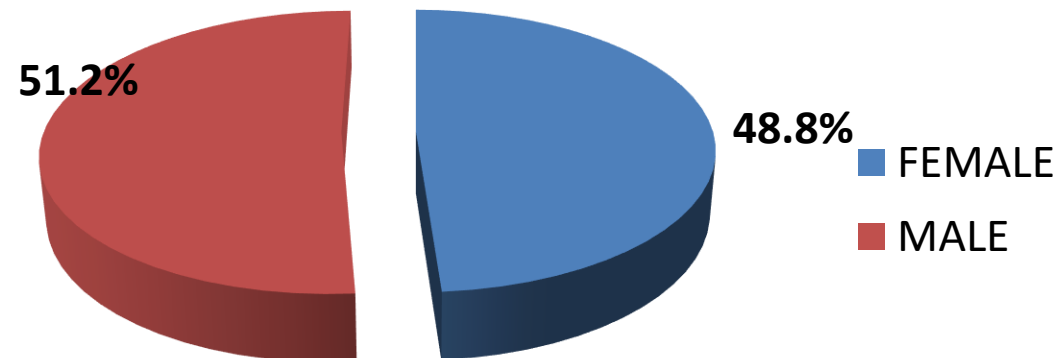
	FREQUENCY	PERCENTAGE
OPD	157	4.7 %
ER	2938	89.7 %
SHIFTED FROM DID/COVID WARD	180	5.6 %



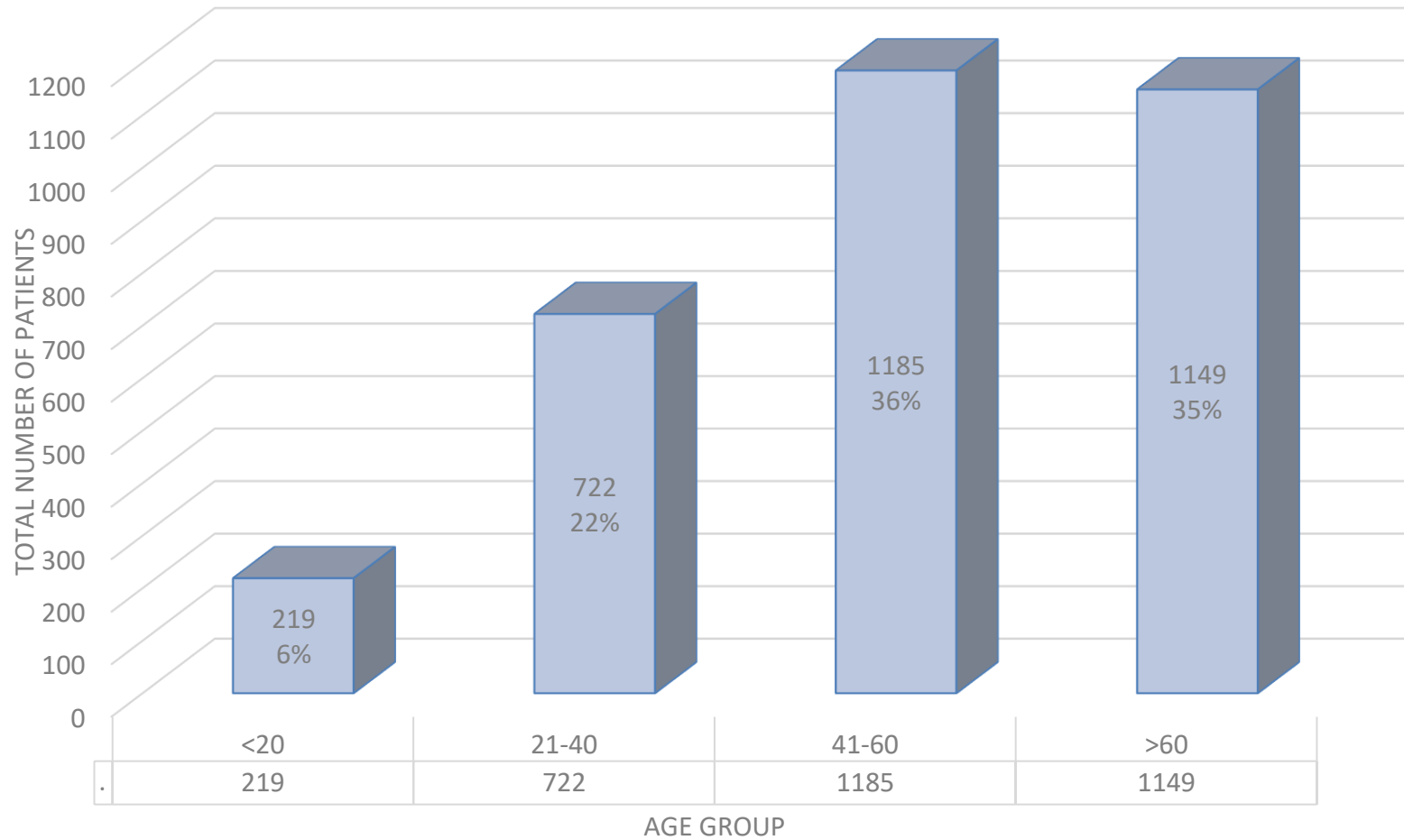
GENDER-WISE ADMISSIONS

	FREQUENCY	PERCENTAGE
MALE	1674	51.2 %
FEMALE	1601	48.8 %

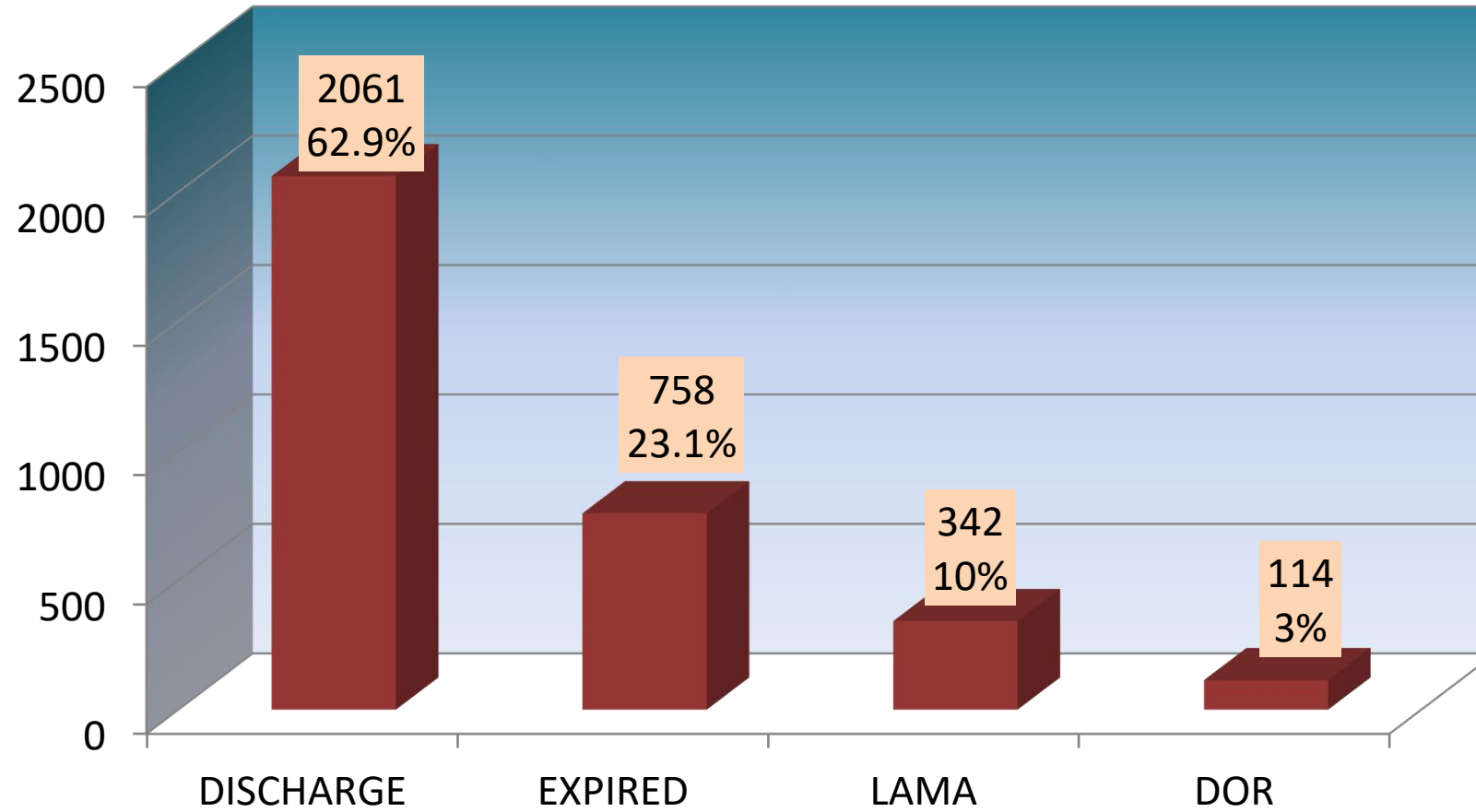
GENDER-WISE AUDIT



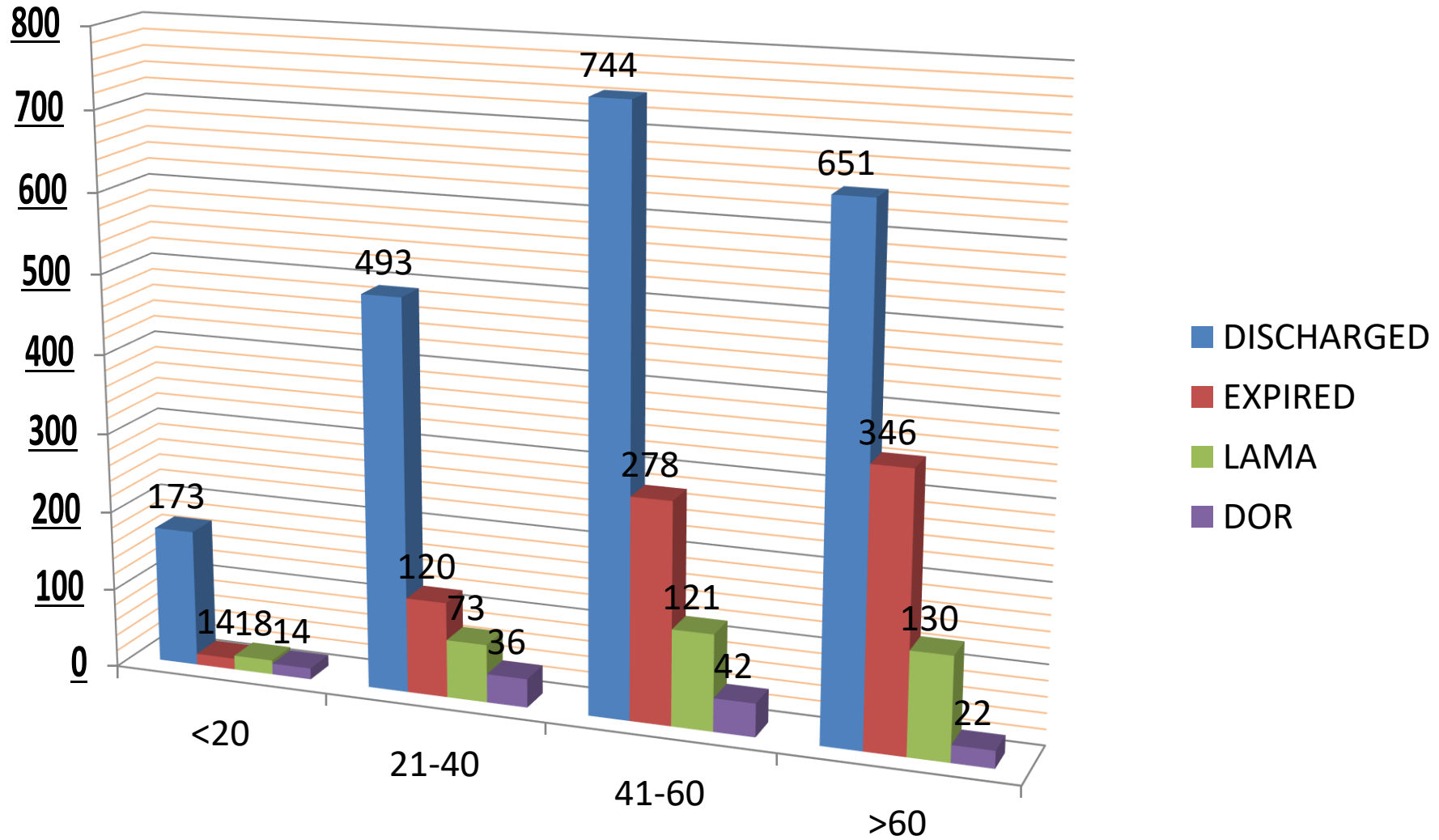
AGE-WISE ADMISSIONS



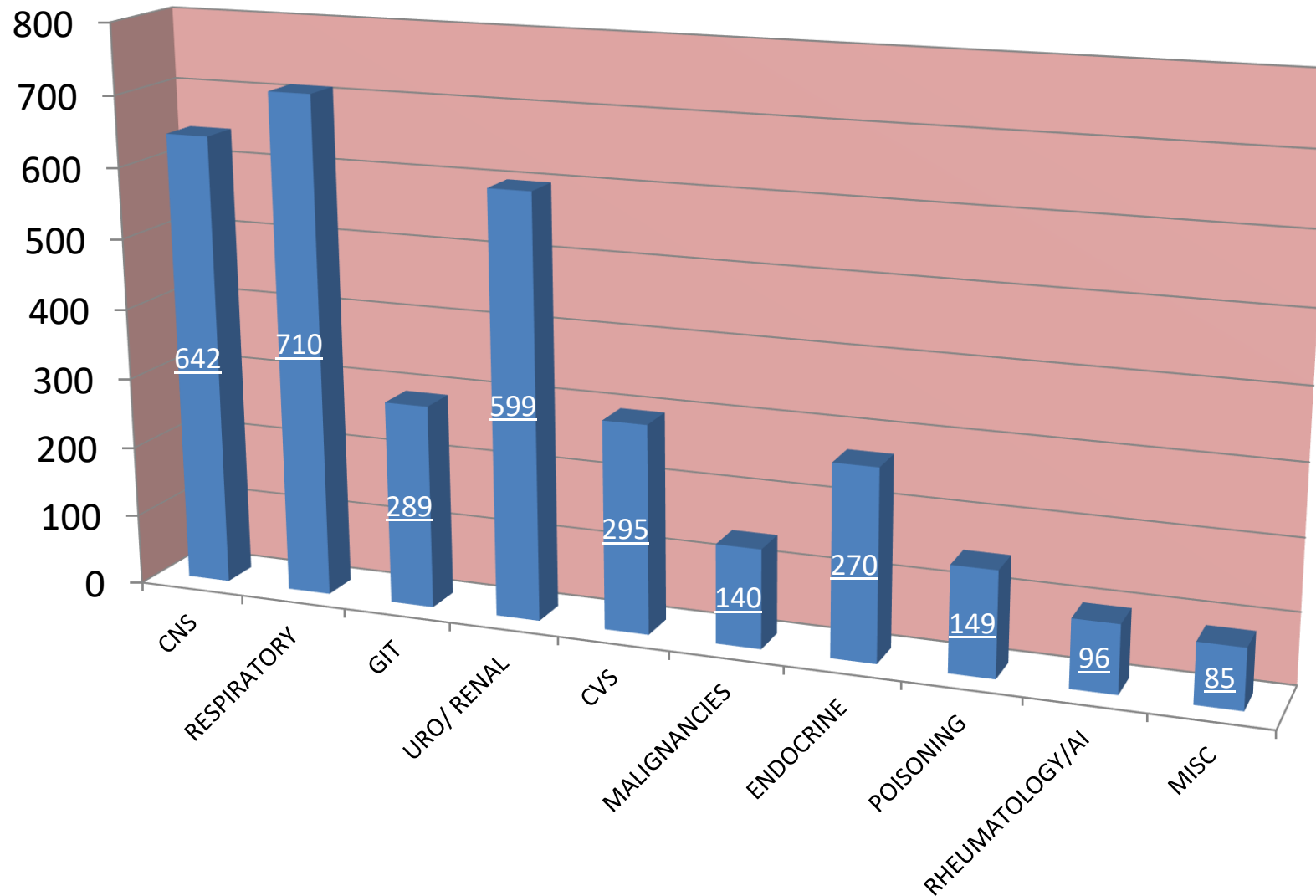
OUTCOME OF ADMITTED PATIENTS



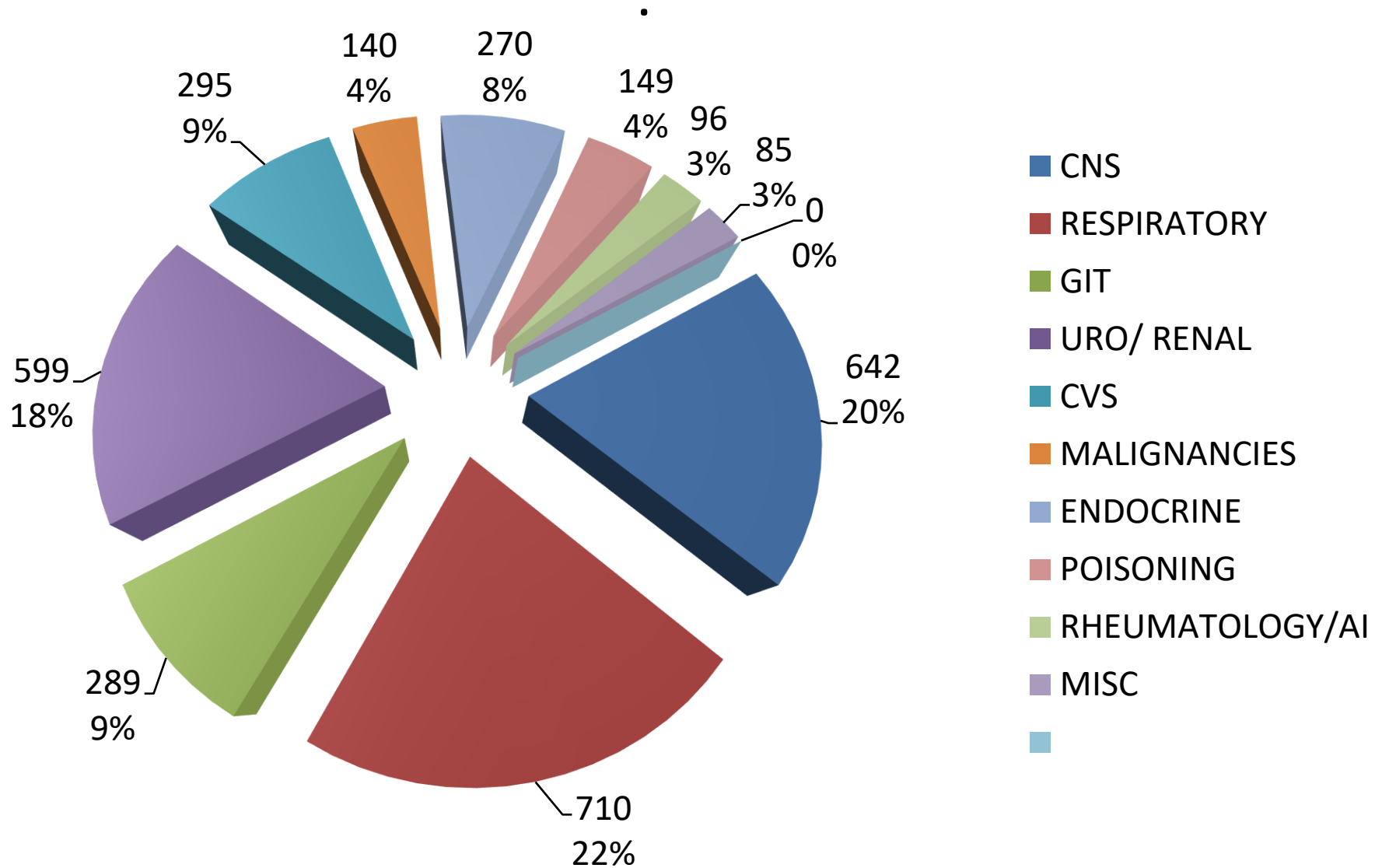
AGE-WISE ADMISSION OUTCOME



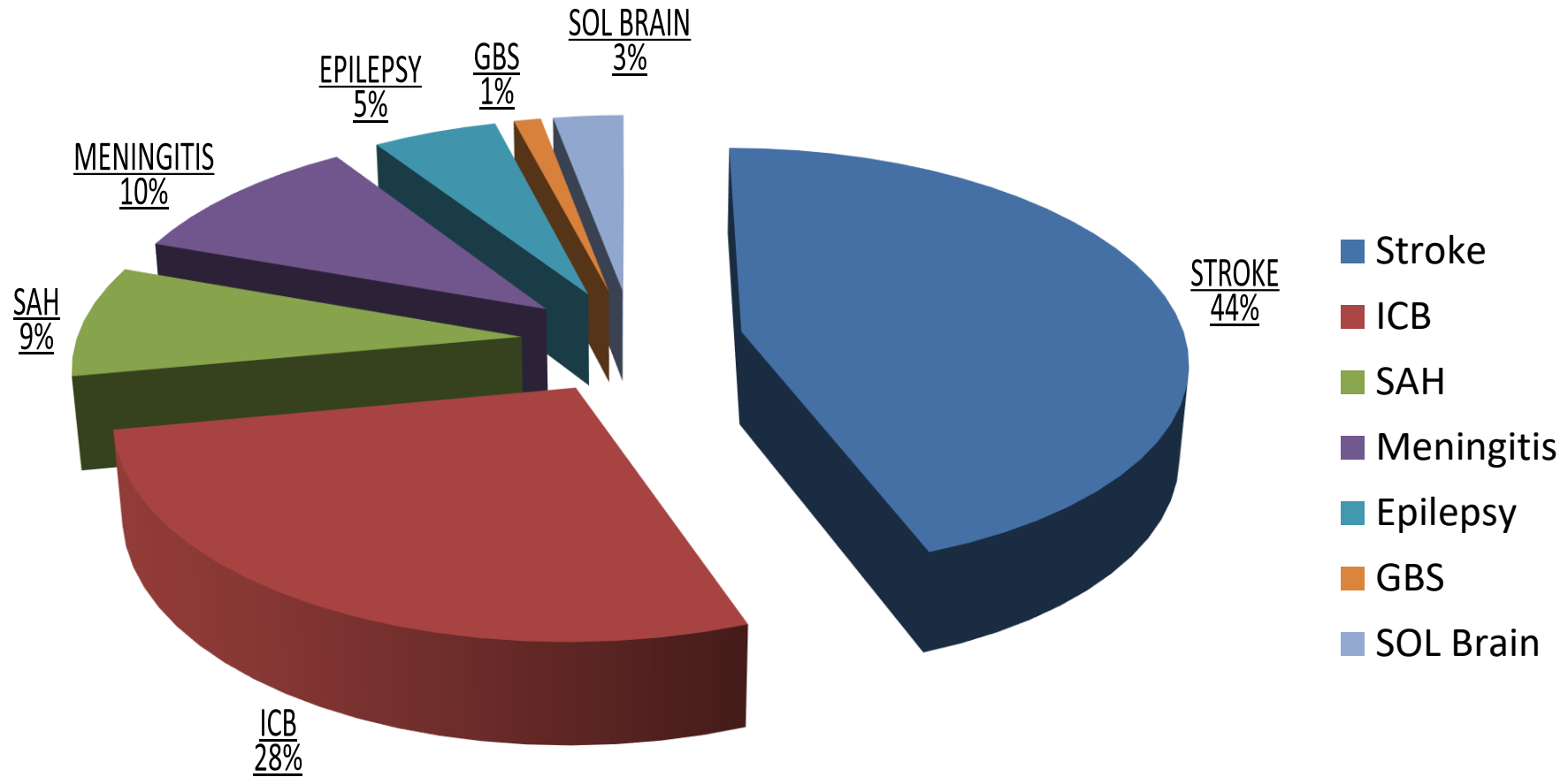
SYSTEM-WISE WARD AUDIT



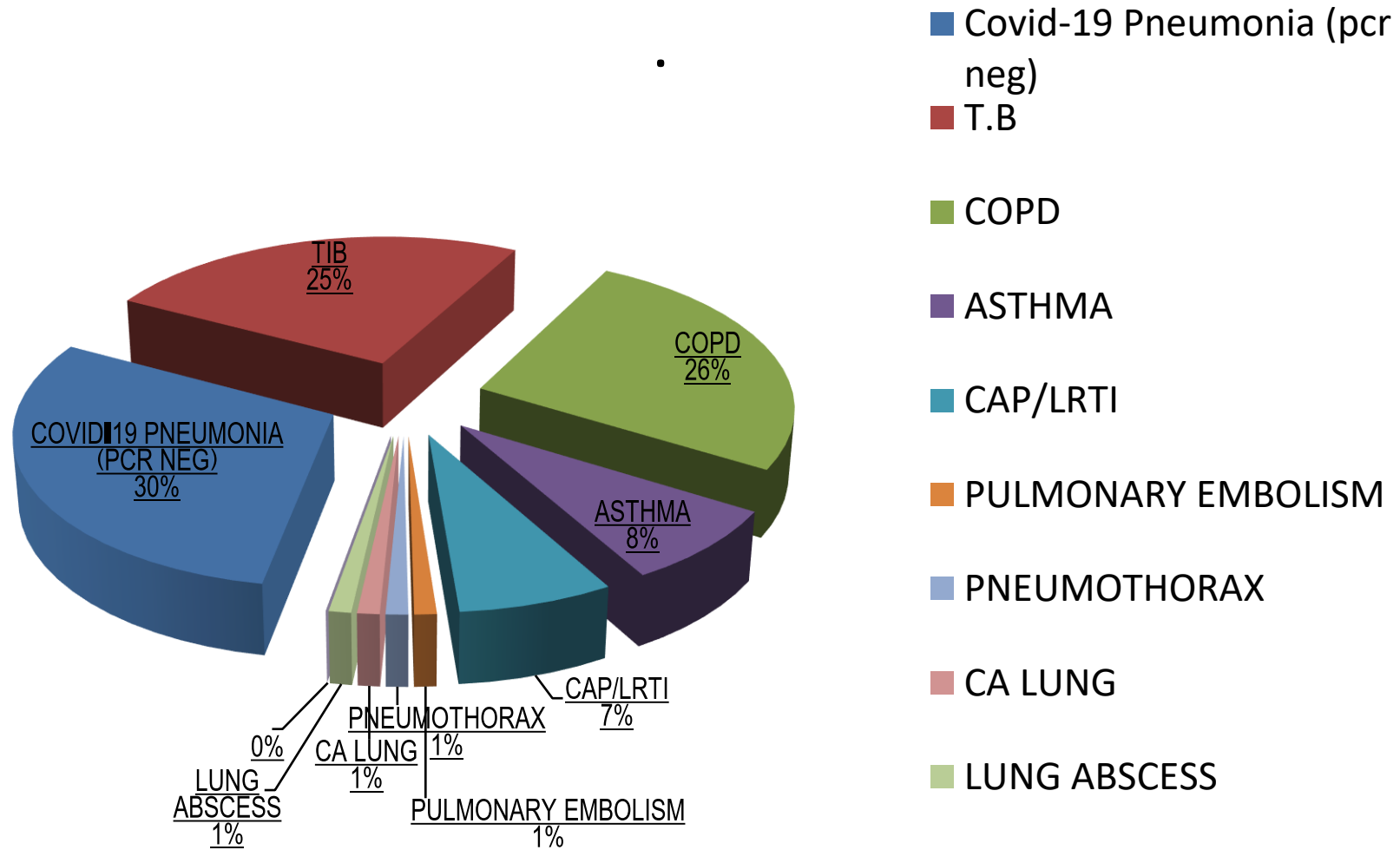
SYSTEM-WISE WARD AUDIT



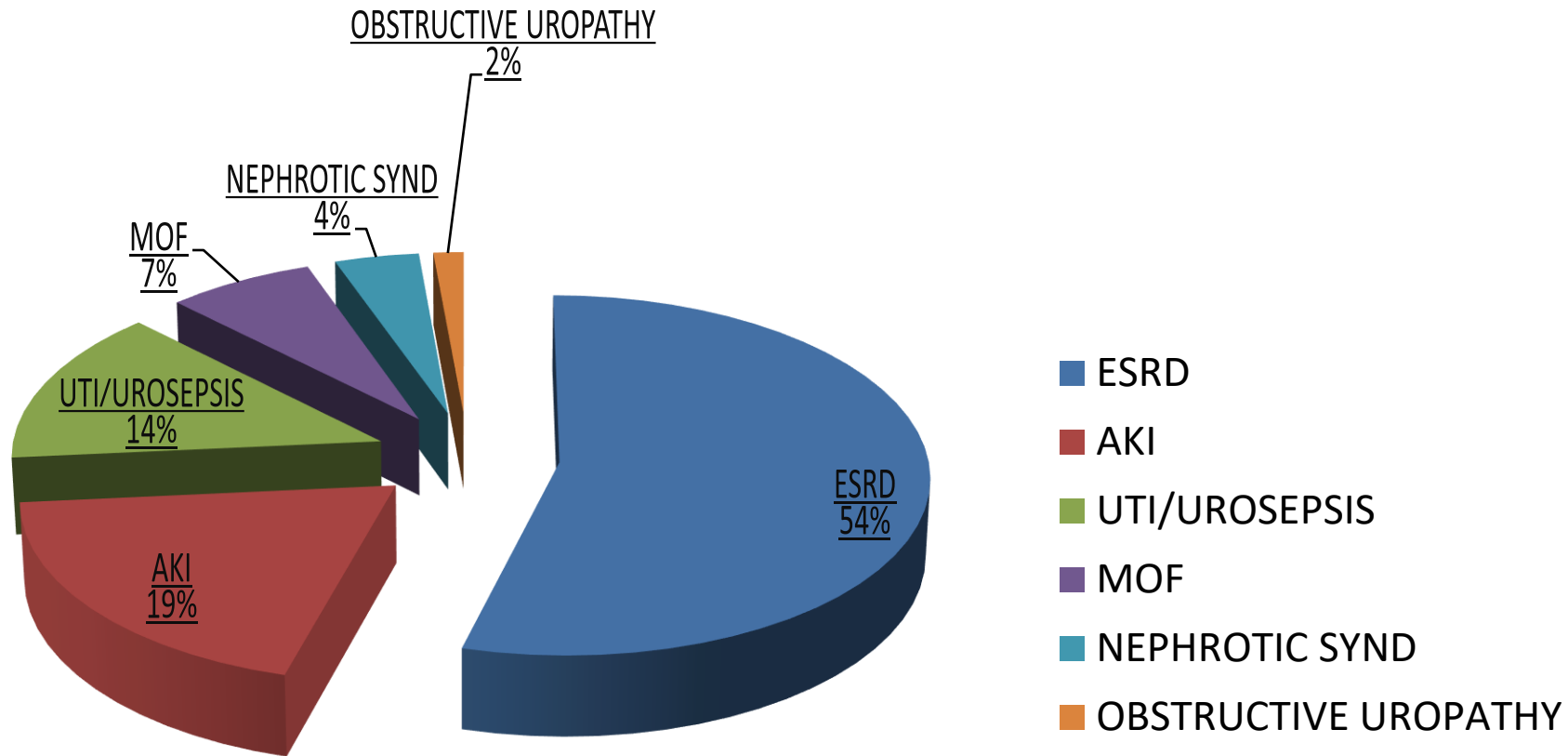
CNS - 642



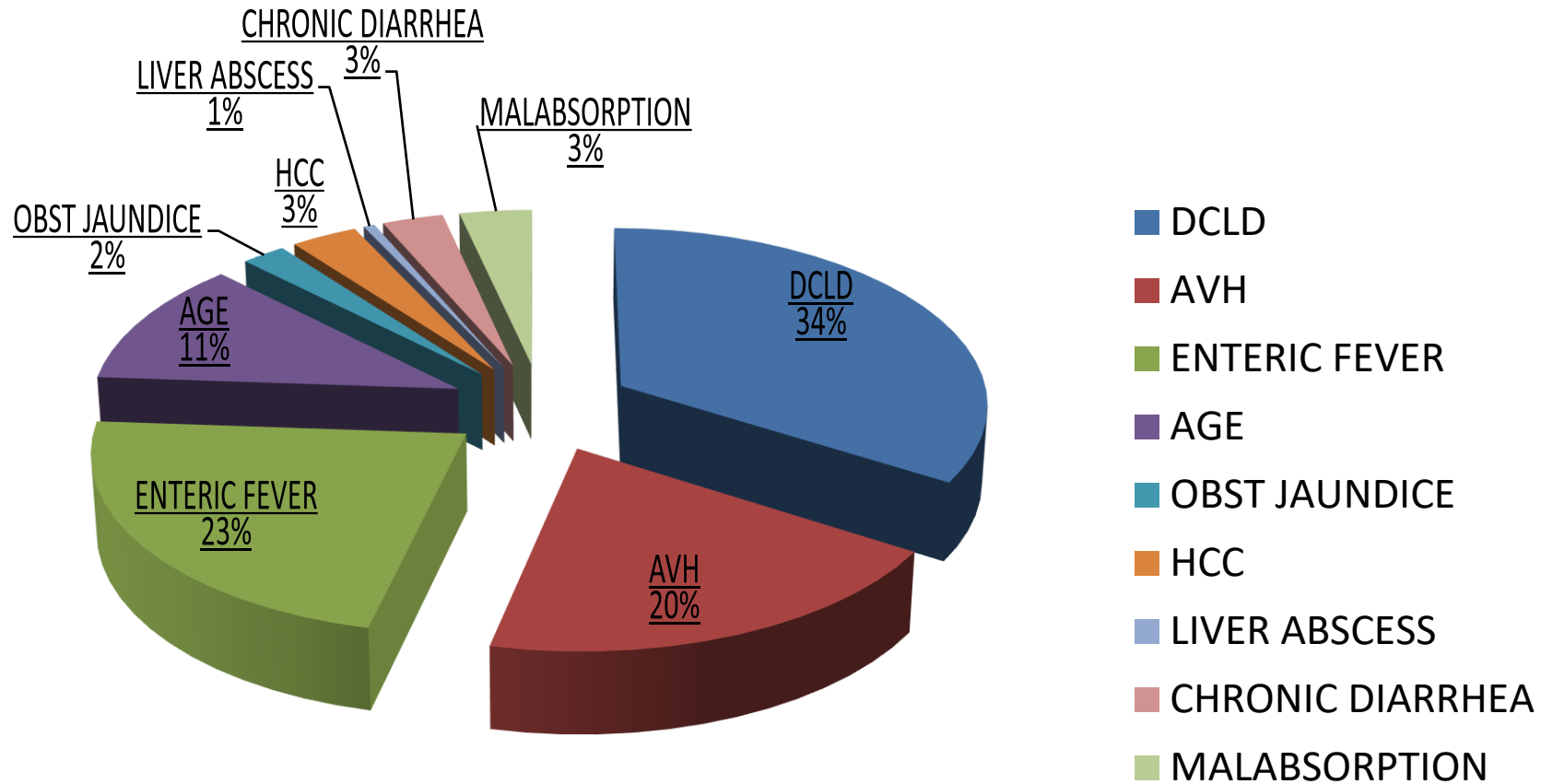
RESPIRATORY - 710



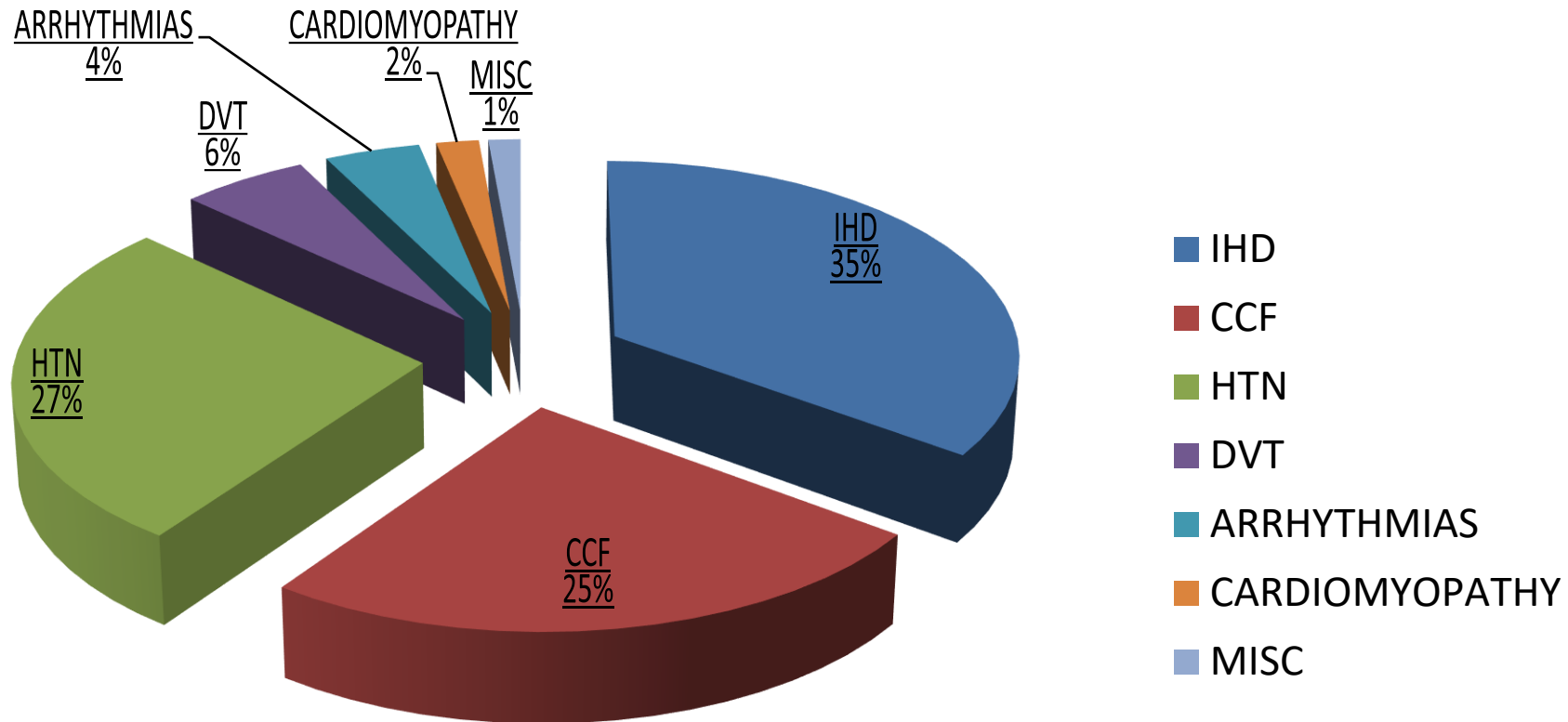
UROGENITAL. / RENAL - 599



GASTROINTESTINAL - 289



CVS - 295

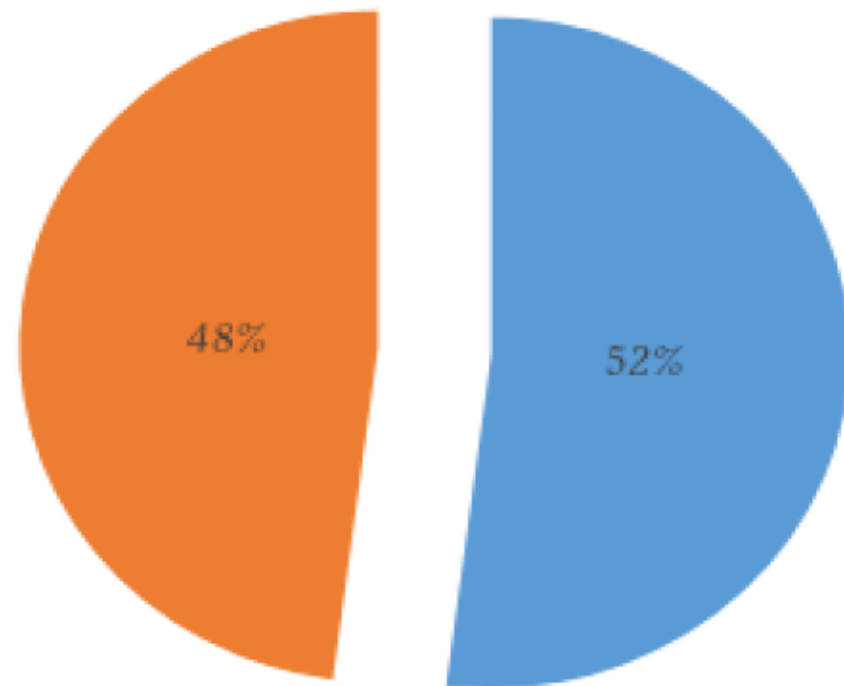


ANNUAL REPORT OF MEDICAL OPD

TOTAL PATIENTS SEEN IN MU1 OPD IN 2020

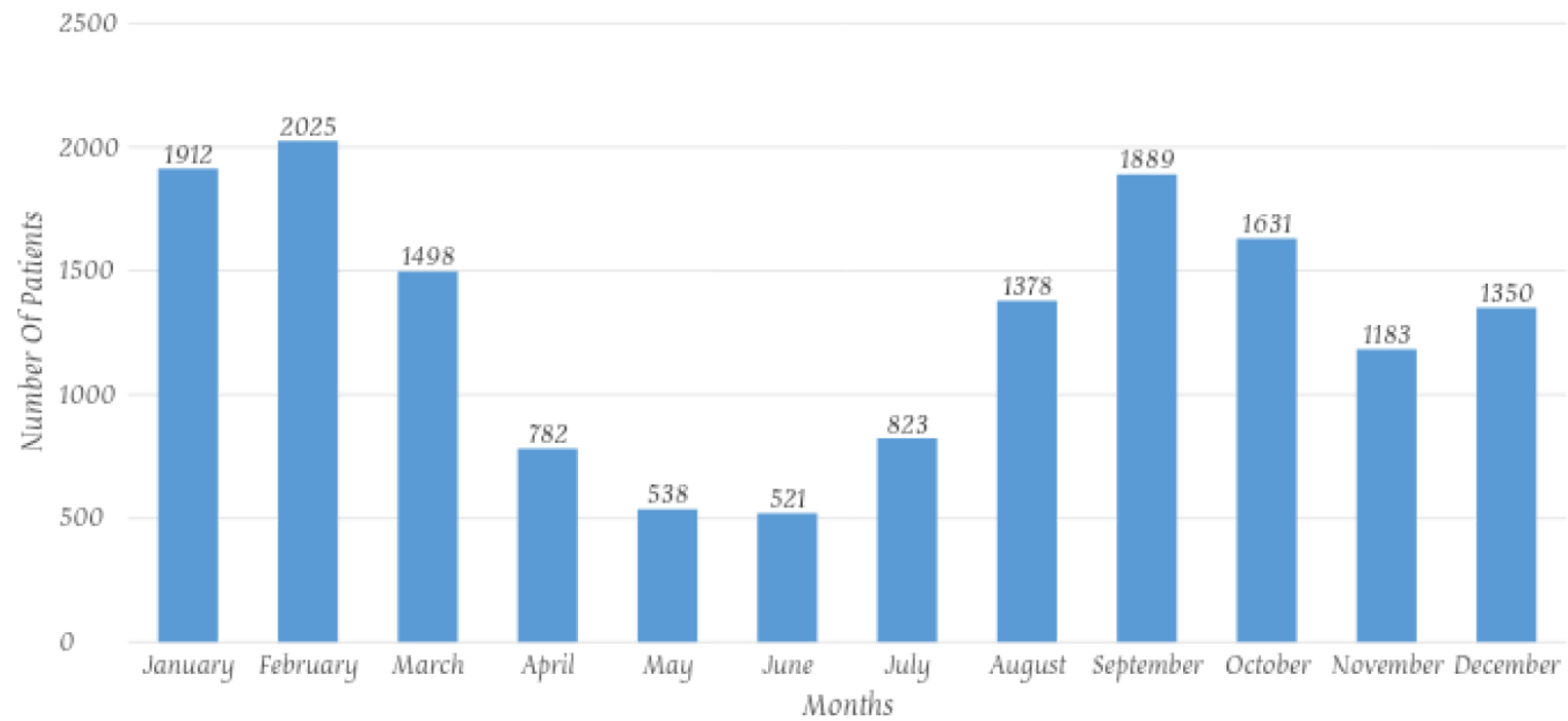
MONTH	TOTAL	FEMALES	MALES
JANUARY	1912	966	946
FEBRUARY	2025	998	1027
MARCH	1498	736	762
APRIL	782	417	365
MAY	538	295	243
JUNE	521	299	222
JULY	823	436	387
AUGUST	1378	749	629
SEPTEMBER	1889	1181	708
OCTOBER	1631	793	838
NOVEMBER	1183	601	582
DECEMBER	1350	712	638
TOTAL	15536	8163	7373

Gender wise Detail MU1

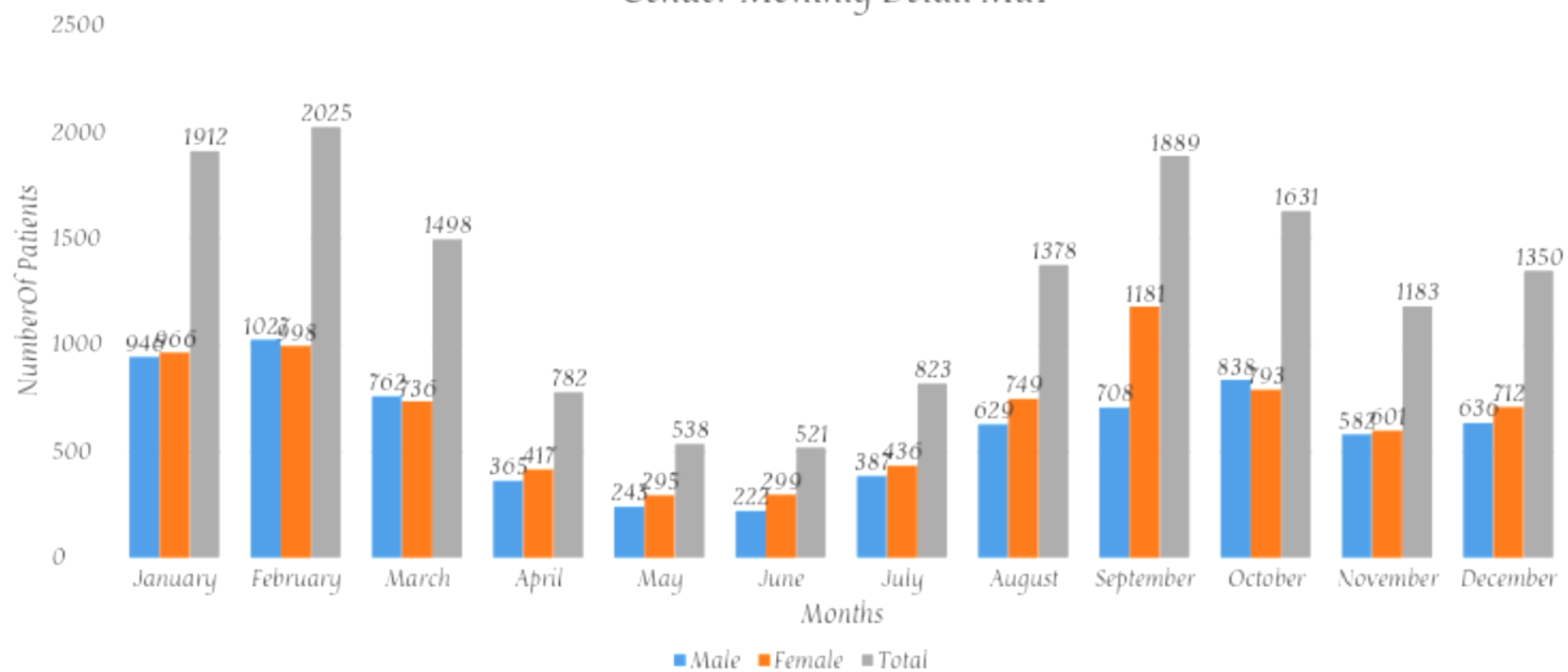


■ females ■ males

ANNUAL AUDIT OPD YEAR 2020 MU1



Gender Monthly Detail Mu1



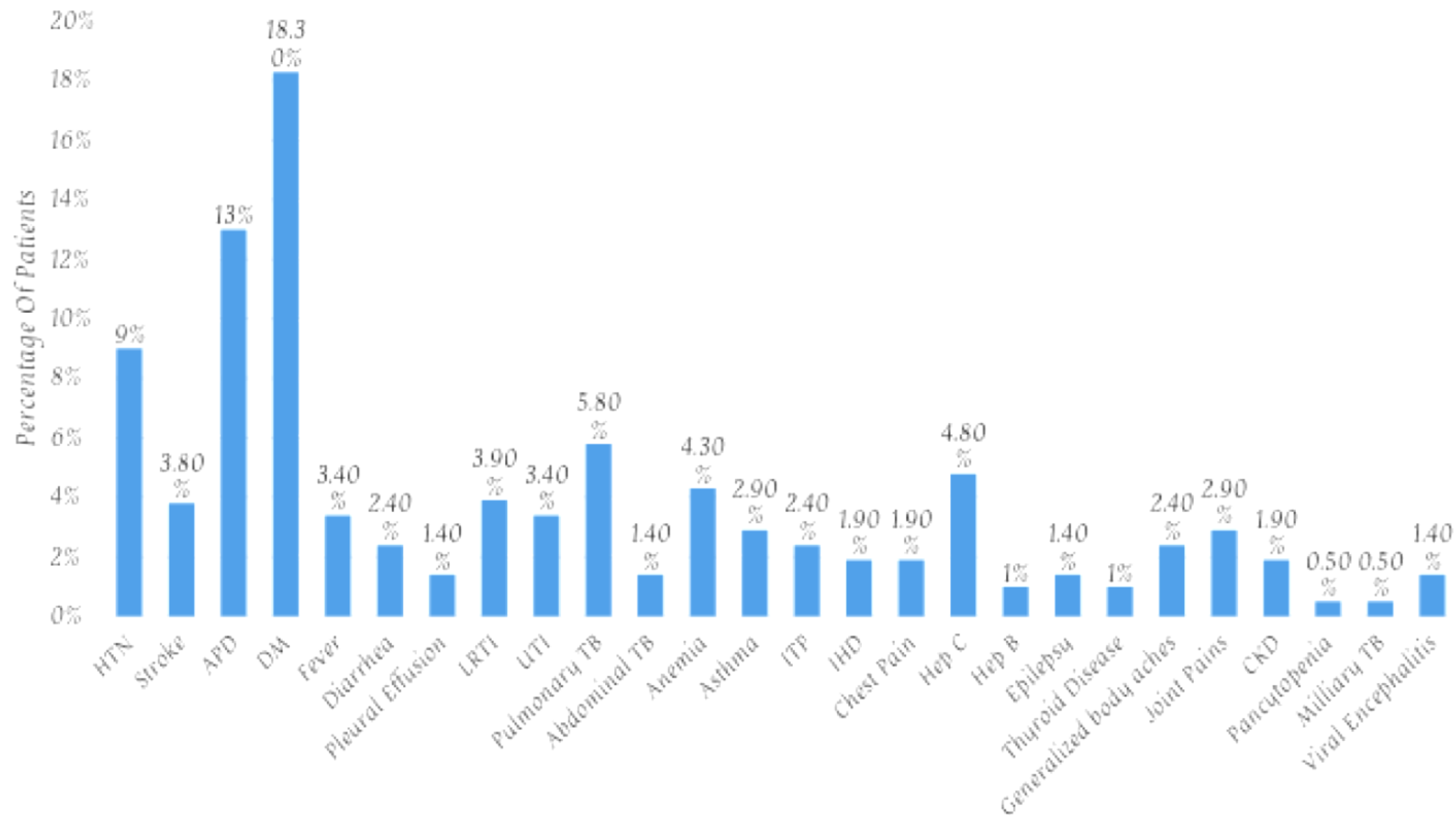
PRESENTATION WISE DETAIL OF OPD PATIENTS

PRESENTAION	PERCENTAGE
Hypertension	9%
Stroke	3.8%
APD	13%
Diabetes Mellitus	18.3%
Fever	3.4%
Diarrhea	2.4%
Pleural Effusion	1.4%
LRTI	3.9%
UTI	3.4%
Pulmonary TB	5.8%
Abdominal TB	1.4%
Anemia	4.3%
Asthma	2.9%
ITP	2.4%

PRESENTATION	PERCENTAGE
IHD	1.9%
Chest Pain	1.9%
Hepatitis C	4.8%
Hepatitis B	1%
Epilepsy	1.4%
Thyroid Disease	1%
Headache	2.4%
Generalized body aches	2.4%
Joint Pains	2.9%
CKD	1.9%
Pancytopenia	0.5%
Milliary TB	0.5%
Viral Encephalitis	1.4%

PRESENTATION WISE DETAIL OF OPD PATIENTS

PRESENTATION WISE DETAIL MU1



MORTALITY AUDIT OF MEDICAL EMERGENCY

TOTAL PATIENTS SEEN IN MEDICAL ER IN 2020

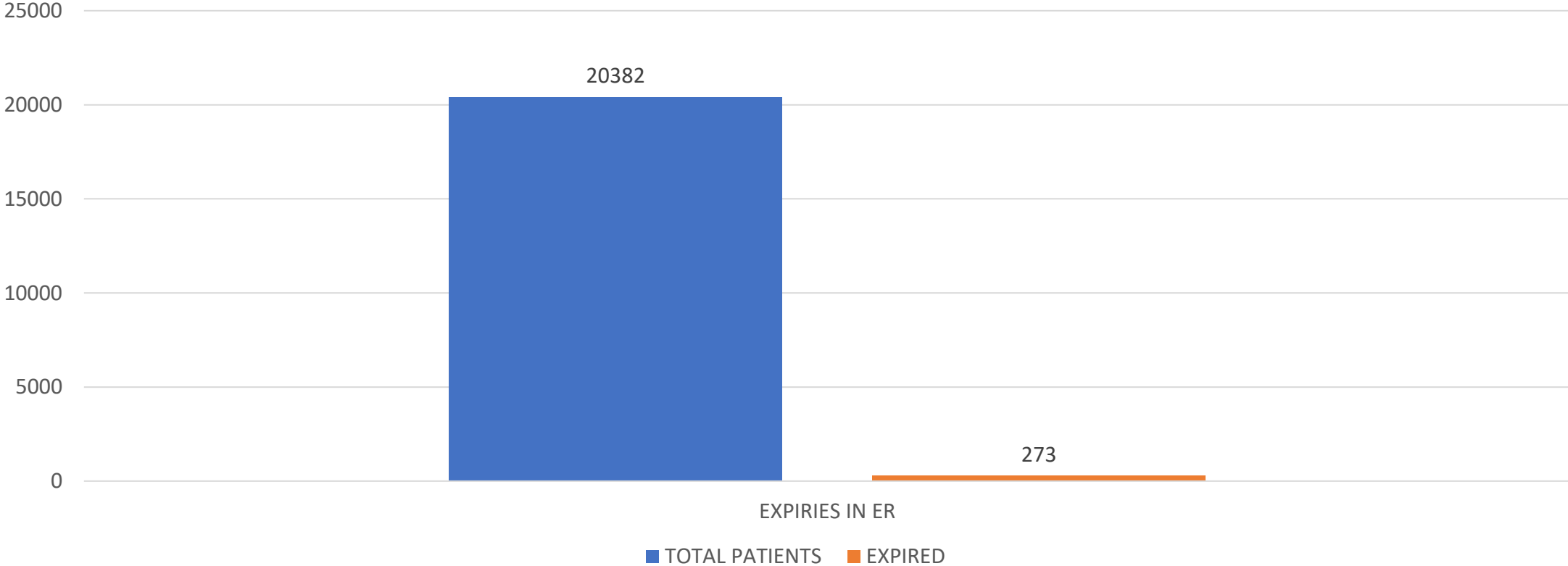
MONTH	TOTAL	MALE	FEMALE
January	2,270	1,289	981
February	2,183	1,170	1,013
March	1,435	804	631
April	1,037	628	409
May	948	576	372
June	954	591	363
July	1,191	672	519
August	1,690	926	764
September	2,157	1,304	853
October	2,098	1,137	961
November	2,222	1,190	1,032
December	2,197	1,271	926
TOTAL	20,382	11,558	8,824

TOTAL PATIENTS EXPIRED IN MEDICAL ER

TOTAL	273
MALES	134
FEMALES	139

TOTAL PATIENTS EXPIRED IN MER (1.34 %)

Chart Title

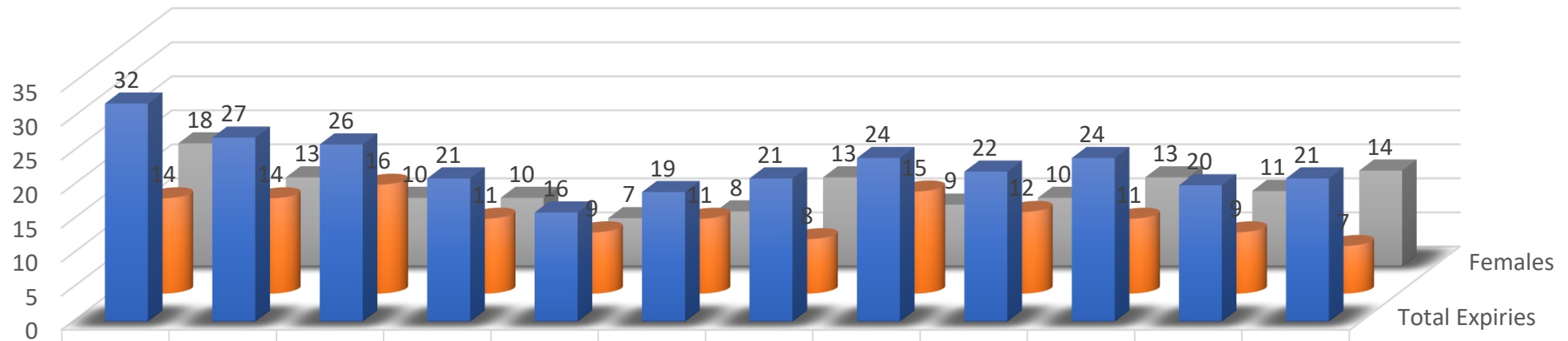


TOTAL AND GENDER WISE MONTHLY MORTALITY

MONTH	EXPIRIES	Males	Females
January	32	14	18
February	27	14	13
March	26	16	10
April	21	11	10
May	16	09	07
June	19	11	08
July	21	08	13
August	24	15	09
September	22	12	10
October	24	11	13
November	20	09	11
December	21	07	14

MONTHLY EXPIRIES GENDER WISE

Chart Title



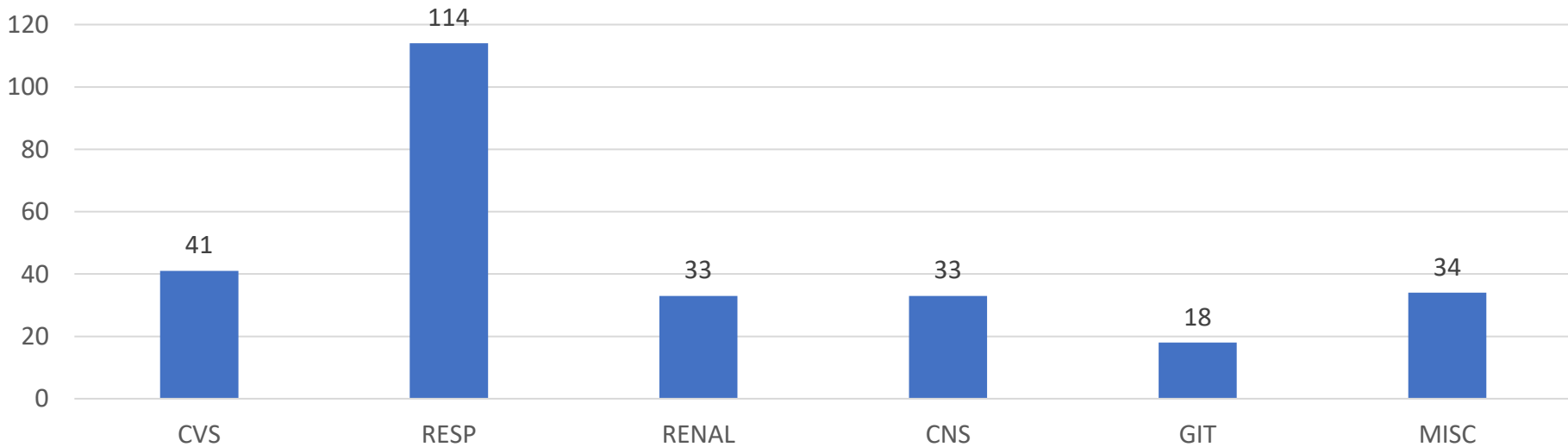
	January	February	March	April	May	June	July	August	September	October	November	December
Total Expiries	32	27	26	21	16	19	21	24	22	24	20	21
Males	14	14	16	11	9	11	8	15	12	11	9	7
Females	18	13	10	10	7	8	13	9	10	13	11	14

■ Total Expiries ■ Males ■ Females

SYSTEM WISE EXPIRIES IN MEDICAL ER

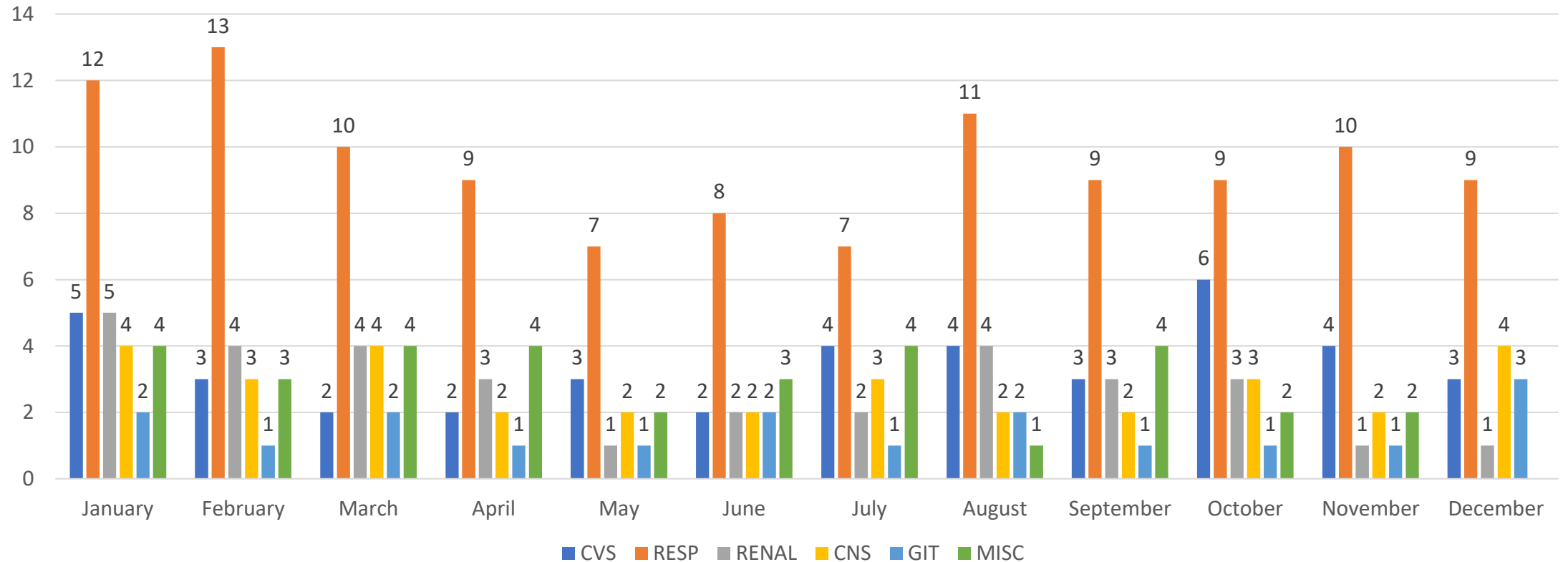
	CVS	RESP	RENAL	CNS	GIT	MISC	TOTAL
January	05	12	05	04	02	04	32
February	03	13	04	03	01	03	27
March	02	10	04	04	02	04	26
April	02	09	03	02	01	04	21
May	03	07	01	02	01	02	16
June	02	08	02	02	02	03	19
July	04	07	02	03	01	04	21
August	04	11	04	02	02	01	24
September	03	09	03	02	01	04	22
October	06	09	03	03	01	02	24
November	04	10	01	02	01	02	20
December	03	09	01	04	03	01	21
TOTAL	41	114	33	33	18	34	273

SYSTEM WISE MORTALITY

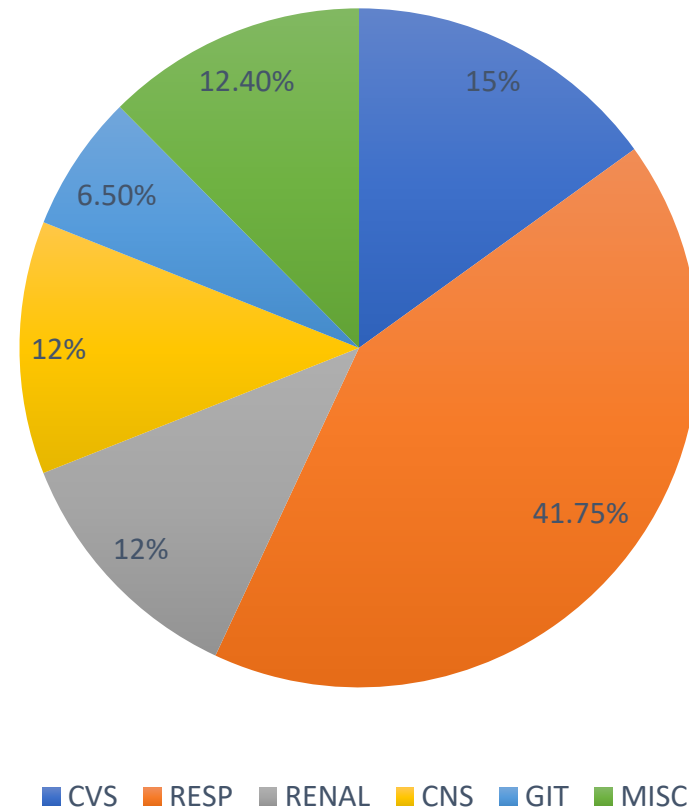


SYSTEM WISE MORTALITY

Chart Title



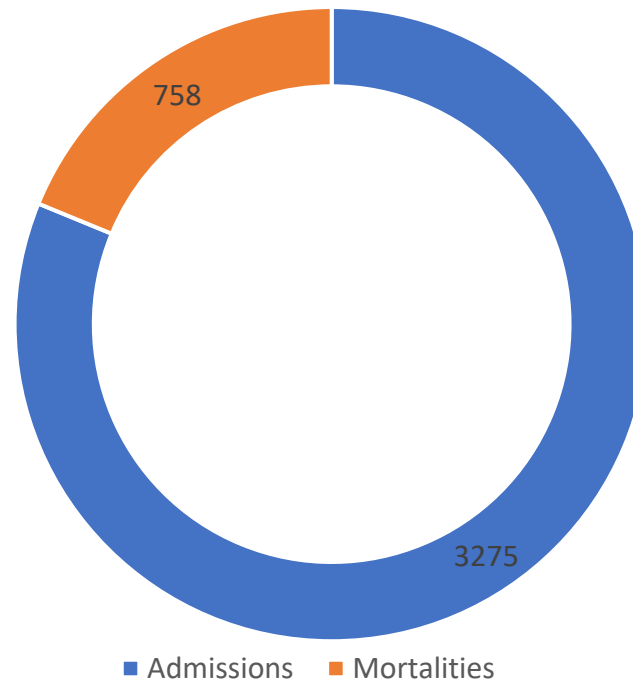
PERCENTAGE OF SYSTEM WISE MORTALITY



MORTALITY AUDIT OF WARD

TOTAL ADMISSIONS AND PERCENTAGE OF MORTALITY

TOTAL ADMISSIONS	TOTAL MORTALITIES	MORTALITY PERCENTAGE
3275	758	23.14



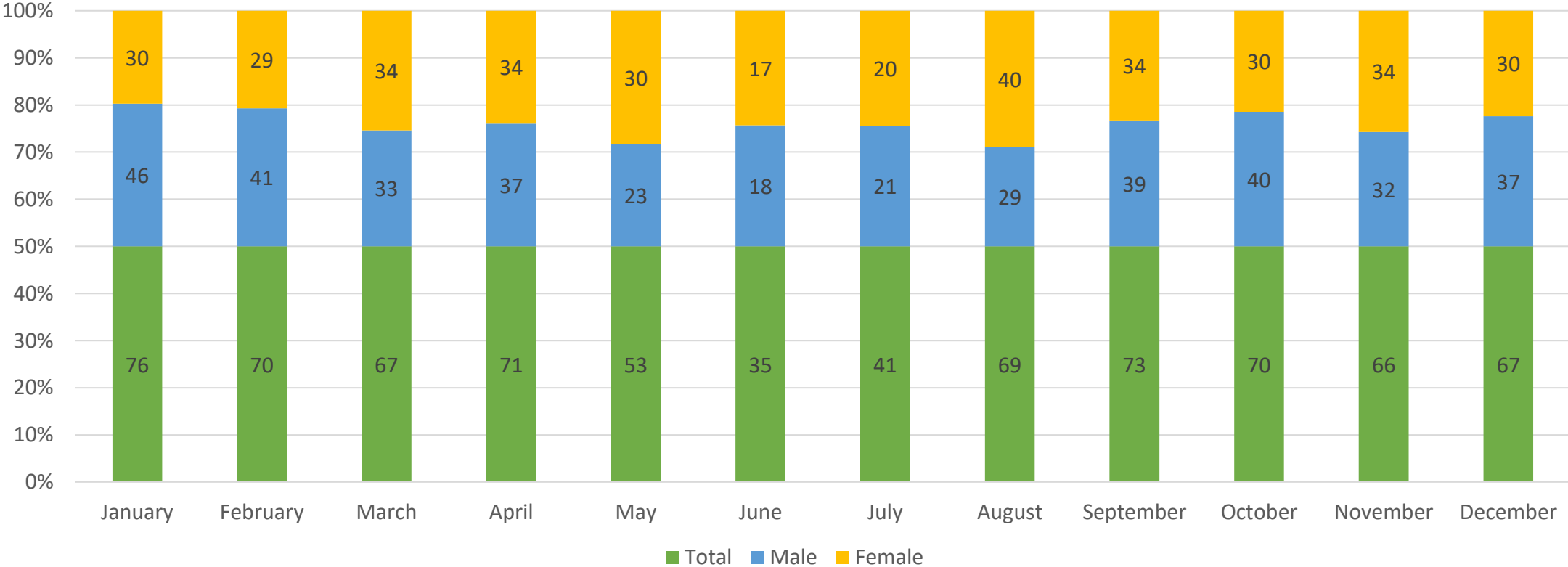
MONTH AND GENDER WISE MORTALITY

MONTH	MORTALITIES
January	76
February	70
March	67
April	71
May	53
June	35
July	41
August	69
September	73
October	70
November	66
December	67

MALES	FEMALES
46	30
41	29
33	34
37	34
23	30
18	17
21	20
29	40
39	34
40	30
32	34
37	30

MONTH AND GENDER WISE MORTALITY

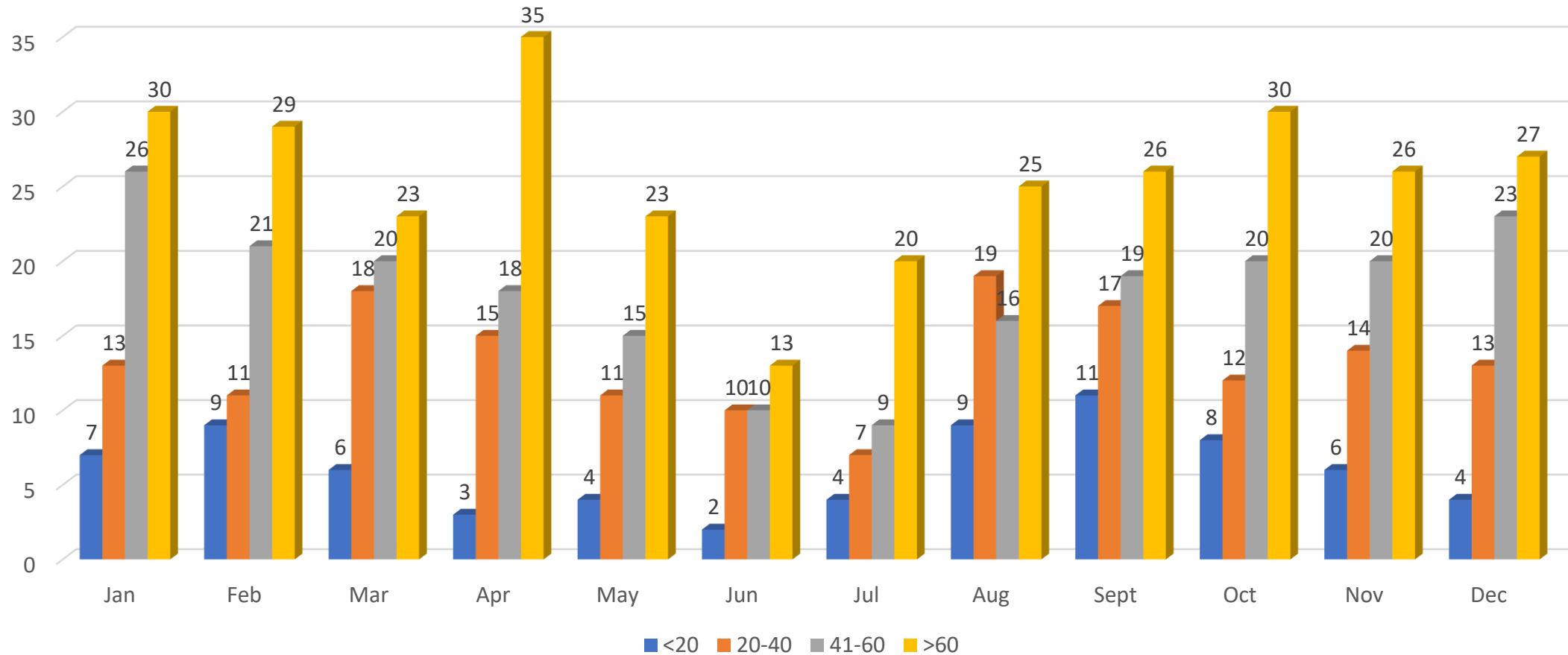
Chart Title



AGE WISE MORTALITY DISTRIBUTION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
<20	07	09	06	03	04	02	04	09	11	08	06	04
21-40	13	11	18	15	11	10	07	19	17	12	14	13
41-60	26	21	20	18	15	10	09	16	19	20	20	23
>60	30	29	23	35	23	13	20	25	26	30	26	27

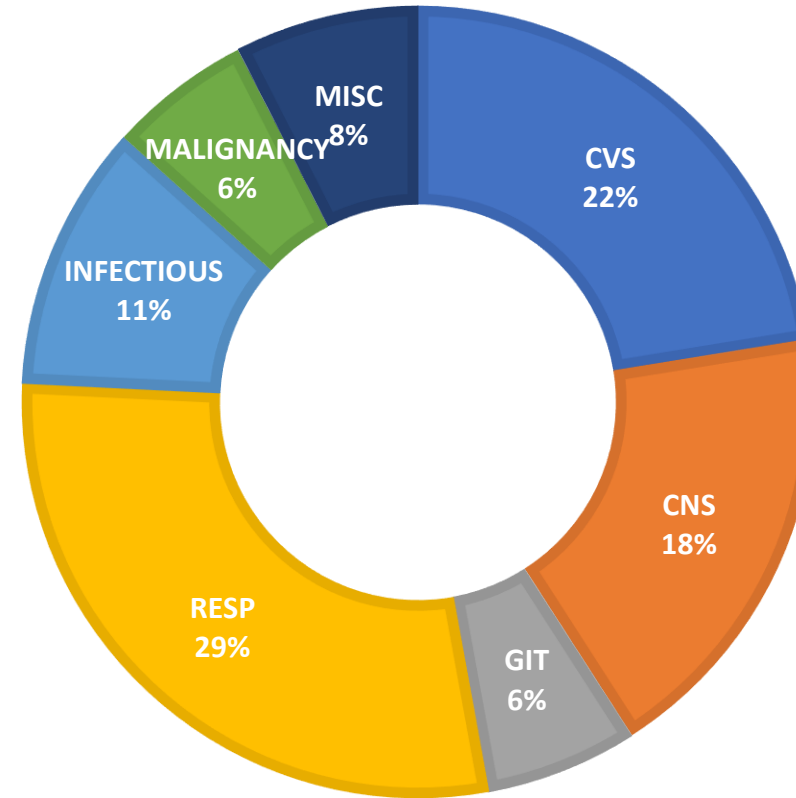
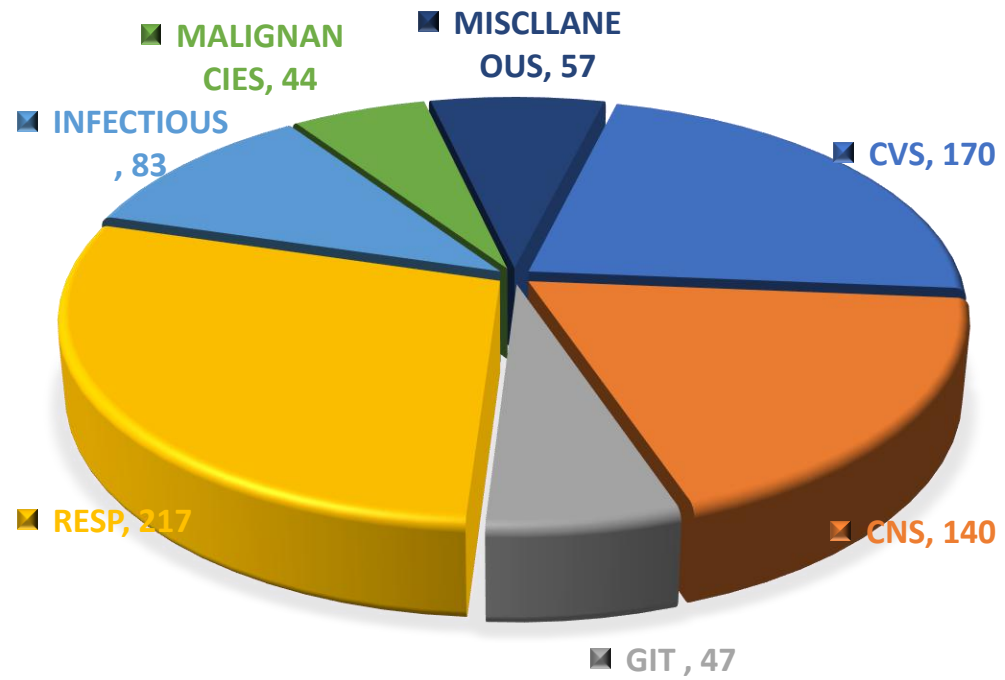
AGE WISE MORTALITY DISTRIBUTION



SYSTEM WISE MORTALITY

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
CVS	21	13	17	15	11	05	08	12	19	17	16	16	170
CNS	15	17	14	17	04	05	04	14	13	11	12	14	140
GIT	04	5	6	5	2	3	2	4	3	5	3	5	47
RESP	21	19	21	17	18	12	15	16	15	20	22	21	217
INFEC	09	07	08	06	4	3	2	7	12	08	08	09	83
MALI G.	02	02	00	04	06	03	05	08	06	04	03	01	44
MISC.	04	07	01	07	08	04	05	08	05	05	02	01	57

SYSTEM WISE MORTALITY



■ CVS ■ CNS ■ GIT ■ RESP ■ INFECTIOUS ■ MALIGNANCY ■ MISC

SUMMARY

Total Patients Seen in Medical Emergency (ER)	20, 382
Total Mortalities in Medical ER	273
Mortality Percentage of Medical ER	1.34 %
Total Patients Seen in Medical OPD	15536
Total Admissions in Ward	3275
Total Mortalities in Ward	758
Mortality Percentage in Ward	23 %

RESEARCH, WORKSHOPS, AND WEBINAR DETAILS

RESEARCH IN MU-I

Published in Year 2020

Sr. No.	TOPIC	AUTHORS	JOURNAL	VOL	YEAR
1.	Non-Compliance with COVID-19 Screening in Pakistan: A Cross-Sectional Survey	Furqan Ali Taj, Muhammad Raheel Raza, Saima Naz, Muhammad Umar, Aqsa Hameed	JRMC	24	2020
2.	Compliance on the Use of Different Types of Face Mask by Healthcare Workers and General Public in Tertiary Care Hospital of RMU during COVID-19 Pandemic	Saba Sarfraz, Muhammad Raheel Raza, Khizar Aziz, Muhammad Umar, Khola Noreen, Malik Shehryar	JRMC	24	2020
3.	Rare presentation of carbon monoxide poisoning: after petroleum intoxication	Hassan Mumtaz, Malik Shehr Yar, Muhammad Raheel Raza, Saima Ambreen, Aqsa Hameed and Nabila Javed	European Journal of Biomedical and Pharmaceutical sciences	7	2020
4.	Assessment of Depression, Anxiety and Stress among covid-19 patients by using Dass 21 scales	Muhammad Raheel Raza, Rizwana Shahid, Muhammad Umar, Shazia Zeb, Malik Shehryar, Saima Ambreen, Muhammad Ahmed	Journal of Medical Case Reports and Reviews	3	2020

RESEARCH IN MU-I

Published in Year 2020

Sr. No.	TOPIC	AUTHORS	JOURNAL	VOL	YEAR
5.	Diabetic Ketoacidosis in an Euglycemic Patient	Hassan Mumtaz, Muhammad Ahsan, Shafiq, Hajra Batool, Tayyaba Naz, Saima Ambreen	Cereus	12	2020
6.	Frequency of co morbids and complications occurring in ESRD patients	Tayyaba Naz, Saima Ambreen, Hajra Batool, Hassan Mumtaz, Ahsan Shafiq, Shamim Mumtaz, Tehreem Fatima and Manahil Rahat	European Journal of Biomedical and Pharmaceutical sciences	7	2020
7.	Comorbidity of COVID-19 related Fatalities in Tertiary Care Hospitals of Rawalpindi, Pakistan	Rizwana Shahid, Muhammad Umar, Raja Bilal Zafar, Shazia Zeb, Saima Ambreen, Muhammad Omar Akram	JRMC	24	2020
8.	Assessment of COVID-19 related fatalities in Tertiary Care Hospitals of Rawalpindi Medical University Pakistan	Rizwana Shahid, Muhammad Umar, Raja Bilal Zafar, Shazia Zeb, Saima Ambreen, Muhammad Omar Akram	JRMC	24	2020
9.	SLE as a cause of secondary Fahr disease	Muhammad Raheel Raza, Muhammad Salman Mushtaq, Hassan Mumtaz, Aqsa Hameed, Tehreem Fatimah, Arsh Zahoor	International Journal of Medical and Health Research	06	2020

RESEARCH IN MU-I

Published in Year 2020

Sr. No.	TOPIC	AUTHORS	JOURNAL	VOL	YEAR
10.	Survival Predictability of BCLC and CLIP Staging Systems in Patients of Hepatocellular Carcinoma	Dr. Saima Ambreen, Dr. Sana Virk	International Ophthalmology Update	18	2020
11.	COVID 19 Pandemic: Trends, Interventions, and Outcomes experienced at the allied hospitals of RMU Pakistan	Prof. Dr. Muhammad Umar, Dr. Fazal ur Rahman, Dr. Muhammad Khurram, Dr. Saima Ambreen	Infectious Diseases Journal of Pakistan	29	2020

ONGOING RESEARCH TOPICS/ SYNOPSIS

Sr. No.	TOPIC	SITE/ SETTING OF RESEARCH	PRINCIPAL AUHTOR	CO-AUTHOR
1.	Prevalence of depression in patients of active tuberculosis taking standard ATT	MU1 HFH	Dr. Nauman	Dr. Saima Ambreen
2.	Low dose Aspirin for primary prevention of cardiovascular events in diabetic patients	MU1 HFH	Dr.Maria Daud	Dr. Saima Ambreen
3.	Frequency of Atrial Arrhythmias in patients with COPD	MU1 HFH	Dr. Malik Shehr Yar	Dr. Fazal Ur Rahman
4.	Role of KMNO4 in wheat pill poisoning	MU1 HFH	Dr. Syed Baqir Ali	Dr. Saima Ambreen

ONGOING RESEARCH TOPICS/ SYNOPSIS

Sr. No.	TOPIC	SITE/ SETTING OF RESEARCH	PRINCIPAL AUTHOR	CO-AUTHOR
5.	Comparison of Cardiac Changes in patients of ESRD with Hepatitis C Positive status and Negative Status.	MU1 HFH	Dr. Omar Akram	Dr. Fazal Ur Rahman
6.	Prevalence & impact on outcome of acute kidney injury after stroke	MU1 HFH	Dr. Ambar Shahzadi	Dr. Saima Ambreen
7.	Frequency of retained patients of poisoning cases in medicine	MU1 HFH	Dr. Ahsan Shafiq	Dr. Saima Ambreen
8.	Mean HCT level in patients with DF and DHF	MU1 HFH	Dr. Farrukh	Dr. Fatima Zia
9.	Comparison ABGs and VBGs in patients with CKD	MU1 HFH	Dr. Fatima Zia	Dr. Farrukh

PARTICIPATION IN ANNUAL RMU RESEARCH CONFERENCE

RESEARCH TOPIC FOR ORAL PRESENTATION (Faculty Research Forum)	AUTHOR(S)
Survival Predictability of BCLC and CLIP Staging Systems in Patients of Hepatocellular Carcinoma	Dr. Iram Shad, Dr. Saima Ambreen
Safety Risk Factor Profile of Dengue Hemorrhagic Fever Patients attending a tertiary care hospital in Pakistan	Dr. Madiha, Dr. Humaira

RESEARCH TOPIC FOR ORAL AND POSTER PRESENTATION (Resident Research Forum)	AUTHOR (S)
Non-Compliance with COVID-19 Screening in Pakistan: A Cross-Sectional Survey	Dr. Raheel Raza (1st Position)
Frequency of co morbids and complications occurring in ESRD patients	Dr. Ahsan Shafiq
Rare presentation of carbon monoxide poisoning: after petroleum intoxication	Dr. Malik Shehr Yar
Gender Based Comparison of Psychological Distress among COVID 19 Patients in RIUT	Dr. Malik Shehr Yar
Assessment of Depression, Anxiety and Stress among covid-19 patients by using Dass 21 scales	Dr. Raheel Raza (1st Position)

COURSES/WEBINARS CONDUCTED BY MEDICAL UNIT 1 FACULTY

COURSE/WEBINAR/CPC	NUMBER/MONTH
Critical Care in ARDS by Dr. Mamoon Yousaf	Nov, 2020
Common Febrile Illness and Therapeutic Challenges - CPC	January, 2020
Silk Road Oddity by Medical Unit 1 and Short Case Presentation on Chronic Obstructive Pancreatitis - CPC	October, 2020
Basic Life Support and ACLS	Every 3 Months, 4 per annum
COVID 19 Case Discussion with RMU ICU Faculty	June, 2020
Acute Neurological, Cognitive, or Affective Presentations (Presented by Dr. Saima Ambreen) – Emergency Medicine Foundation Program	January 2020
End of Program Review Panel for Final Assessment of Trainees under EMFP	November 2020

FACULTY ZOOM MEETINGS ATTENDED BY MEDICAL UNIT 1 TEAM DURING COVID 19 PANDEMIC

Sr. No.	
1.	CPC (Every Wednesday)
2.	COVID 19 Training Courses (RMU International Faculty Meetings For COVID Management)
3.	Training Session with Practical Demonstration On Prone Ventilation (17.5.2020)
4.	Training Session on Ventilators – At RIUT (18.7.2020)
5.	Session for Mental Health and Psychological Support for House Officers
6.	Session for Mental Health and Psychological Support For Medical Officers and Paramedics at RIUT (17.5.2020)
7.	Management of Non Variceal Upper GI Bleeding by Dr. David Carr-Locke – Under RMU Global E-Learning Initiative by worthy Vice Chancellor RMU Professor Dr. Muhammad Umar (Held on 6 th December 2020)

THANKYOU 😊