

# Clinical Materials available in Assam Medical College & Hospital, Dibrugarh

**OCTOBER 2017 - SEPTEMBER 2018**

## Total Hospital Beds

Medicine and Allied Specialities	
Discipline	No. Of Beds
General Medicine	252
Cardiology	40
Psychiatry	60
Dermatology	30
Paediatrics	120
Isolation	22
Tuberculosis	52
<b>Total</b>	<b>576</b>

Surgery and Allied Specialities	
Discipline	No. Of Beds
General Surgery	210
Ophthalmology	90
E.N.T.	60
Orthopedics	120
<b>Total</b>	<b>480</b>

Obstetrics & Gynaecology	
Discipline	No. Of Beds
Obstetrics	60
Gynaecology	120
<b>Total</b>	<b>180</b>

Others:	
Discipline	No. Of Beds
Casualty/Trauma	30
I.C.U./ICCU	14
Paying Cabins	35
<b>Total</b>	<b>79</b>

# Hospital Statistics

## Medical Record Department

### Total Number of Registered Births & Deaths

Year	Registered Live births	Registered Deaths
2018	3322	2181
2019 (upto June 2019)	2263	1179

### Total I.P.D. attendance from 01/10/2017 to 30/09/2018

Sl No.	UNIT	Male	Female	TOTAL
1	Medicine	10638	6960	17598
2	Surgery	4528	3619	8147
3	Ophthalmology	1695	1559	3254
4	ENT	849	508	1357
5	Cancer	267	138	405
6	T.B. & Chest Clinic	381	171	552
7	Paediatrics	5970	3689	9659
8	Orthopedics	2256	1142	3398
9	Psychiatric	664	248	912
10	Cardiology	1908	748	2656
11	Plastic Surgery	556	403	959
12	Paed. Surgery	560	263	823
13	Dermatology	184	213	397
14	Obst & Gayne		12957	12957
15	Neuro Surgery	33	11	44
16	Neurology	266	103	369
17	Cardiothoracic	86	41	127
18	Urology	67	28	95
19	Nephrology	38	11	49
	<b>TOTAL</b>	<b>30946</b>	<b>32812</b>	<b>63758</b>

Average daily admission: 175

Average daily death : 8.08

Average bed occupancy: 89.57%

**Total O.P.D. attendance from 01/10/2017 to 30/09/2018**

Sl No.	UNIT	NEW	OLD	TOTAL
1	Medicine	109090	41454	150544
2	Surgery	51036	31621	82657
3	Ophthalmology	24668	9867	34535
4	ENT	24218	9687	33905
5	Pulmonary Medicine	4240	3427	7667
6	Paediatrics	36866	15483	52349
7	Cardiothoracic	959	431	1390
8	Orthopedics	41615	16646	58261
9	Psychiatric	4676	7567	12243
10	Cardiology	8534	5120	13654
11	Plastic Surgery	2753	1404	4157
12	Paed. Surgery	3123	1405	4528
13	Dermatology	25286	14648	39934
14	Obst & Gynae	41774	23686	65460
15	Neurology	4146	1865	6011
16	Nephrology	2031	1253	3284
17	Dental	8604	4291	12895
18	Neurosurgery	1316	552	1868
19	Reumatology	1195	537	1732
20	Diabetic Clinic	450	337	787
21	Urology	2152	1225	3377
22	Radiotherapy	516	387	903
	<b>Total</b>	<b>399248</b>	<b>192893</b>	<b>592141</b>

**Average daily attendance: 1974**

**Average daily attendance (New): 1331**

**Average daily attendance (Old): 643**

# DEPARTMENTAL DATA

## BIOCHEMISTRY

(Advanced Clinical Biochemistry Laboratory for patients service)

Services	Nos.
Total No. of cases registered (Routine, emergency and free cases)	2,02,175 Nos.
Total No. of Parameters analyzed (Routine, emergency and free cases)	10,18,674 Nos.
Total No. of cases registered under NRHM	32,884 Nos.
Total No. of Parameters analyzed under NRHM	62,212 Nos.

## PATHOLOGY

SL No	Sections	Total		
1	Histopathology	Routine Histo	Cases	3,738
			Sections	7,657
		PM	Cases	28
			Sections	121
2	Immunohistochemistry	Routine IHC	Cases	20
			Tests	116
		Projects + Thesis	Cases	290
			Tests	739
3	Cytology	Routine Cases		2,007
		Cervical Smear (Thesis + Project)		62
4	Haematology	Cases		68,663
		Parameters		1,03,189
5	Flowcytometry	Acute Leukemia		70
		CD4		22
		CD 64		10
		CLPD		08
		HLA B27		02
6	Clinical Pathology	Cases		31,424
		Parameters		30,441
7	Emergency Lab			13,305

## MICROBIOLOGY

Sl.No.	Section	Total No. of Cases
1.	Bacteriology	17051
2.	Mycology	3960
3.	Virology	35721
4.	Parasitology	237
5.	Serology	59029
6.	Immunology	3526
7	Mycobacteriology	50
8	Molecular Biology	867

<b>Bacteriology section</b>		
1	Urine for C/S	4555
2	Sputum for C/S	1894
3	Swab for C/S	1744
4	Pus for C/S	998
5	Blood for C/S	3223
6	Stool C/S	300
7	Body Fluid for C/S	887
8	Gram Stain	2859
9	Slit skin smear for AFB /other AFB	207
10	Throat swab for KLB	31
11	Anaerobic culture	320
12	Water culture	33
<b>TOTAL</b>		<b>17051</b>
<b>Parasitology section</b>		
1	Stool for R/E	177
2	PBS for MP	54
3	PBS for Microfilaria	6
<b>TOTAL</b>		<b>237</b>
<b>Mycology section</b>		

1	Gram's stain	107
2	Direct microscopy/ (KOH mount)	3353
3	Indian ink preparation / Direct mount(CSF)	122
4	Fungal culture and sensitivity	378
<b>TOTAL</b>		<b>3960</b>
<b>Serology section</b>		
1	VDRL/ RPR	10677
2	Widal test	416
3	Rapid test for Salmonella typhi (IgG/IgM)	2091
4	Rapid test for PV/PF (Malaria)	2392
5	Leptospira rapid test, ELISA	1302
6	HBsAg	22209
7	HIV/AIDS	14045
8	Troponine	862
9	Scrub Typhus ELISA & Kit Test	1102
10	TSH Test	1402
11	T3, T4 & TSH Test	2199
12	C-Peptide Test	16
13	Vitamin D Test	316
<b>TOTAL</b>		<b>59029</b>
<b>Virology section</b>		
1	Anti HAV Rapid test, ELISA	692
2	Anti HCV Rapid test	32004
3	Anti HEV Rapid test	886
4	JE IgM ELISA Test	649
5	Dengue (IgM & NS1) ELISA test	1490
<b>TOTAL</b>		<b>35721</b>
<b>Molecular Biology</b>		
1	HBV Viral load detection	74
2	Streptococcus pneumoniae (Real Time PCR)	277
3	Neisseria meningitidis (Real Time PCR)	277
4	Hemophilus influenzae (Real Time PCR)	157
5	Herpes Simplex Virus (Real Time PCR)	58
6	Enterovirus (Real Time PCR)	24
<b>TOTAL</b>		<b>867</b>
<b>Immunology section</b>		

1	Mantoux test	1455
2	CD4	878
3	ANA 17 Pro Blots	589
	Anti CCP ELISA	380
	I.F.A.	186
	ANCA Test	38
<b>TOTAL</b>		<b>3526</b>
<b>Mycobacteriology</b>		
1	LPA	46
2	MGIT	4
<b>TOTAL</b>		<b>50</b>

## RADIOLOGY

SL NO	INVESTIGATION/EXAM	NO OF CASES
1	X-RAY	43024
2	BARIUM MEAL	140
3	BARIUM SWALLOW	40
4	BARIUM ENEMA/ COLOGRAM	43
5	IVP/IVU	154
6	HSG	124
7	ANGIOGRAM	NIL
8	RGU	42
9	MCU	58
10	T-TUBE	27
11	FISTULOGRAM	31
12	CYNOGRAM	5
13	MAMOGRAPHY	NIL
14	USG	26775
15	NRHM	17795
16	CT	18726
17	MRI	1569
18	CT GUIDED	20
19	USG GUIDED	56

# BLOOD BANK

1. No of requisitions received for blood & components during the year = 31762 nos.
2. Total blood collection = 23951 units (Monthly Average = 1996 units).
3. Total no of blood & component issued = 32730 units.
4. Total no of whole blood issued = 15815 units.
5. Total no of blood components issued = 16915 units.
6. Percentage (%) of components issued = 51.68 %

## No of components issued (component wise)

<u>Name of the Components</u>	<u>Total</u>
Packed RBC	7776 units
Platelet Concentrate	2047 units
Fresh Frozen Plasma	7092 units
<b>TOTAL →</b>	<b>16915 units</b>

7. Daily Blood Collection = 66 units (Average)
8. Daily issue of Blood & Components = 90 units (Average)  
Whole Blood = 44 units.  
Components = 46 units.
9. Total no of blood donation camps held = 47 nos.
10. Total no of blood units collected in the camps = 1175 units.
11. Total no of blood units collected in the blood bank :-  
Voluntary = 20376 units.  
Replacement = 2400 units.
12. Total % of voluntary collection (blood bank & blood donation camp) = 90 %
13. Total no of Tested for Transfusion Transmitted Infections of Blood Units :-
  - Total no of blood units tested for T.T.I. = 23951 nos.
  - Total no of blood units T.T.I. reactive = 240 nos.
  - Percentage (%) of T.T.I. reactive = 1 %



## ART CENTRE

**Total Pre ART Registered patients** = 1453 (up to 30<sup>th</sup> Sept' 2017)

Adult :	Male	=	878
	Female	=	501
	T/G	=	2
Children pt's :	Male	=	38
	Female	=	34

**Total On ART Registered patients** = 1077 (up to 30<sup>th</sup> Sept' 2017)

Adult:	Male	=	650
	Female	=	373
	T/G	=	0
Children pt's:	Male	=	30
	Female	=	24

**Death/ Transferred out / LFU/ Opted out / stop treatment / alive On ART details :**

Pre ART death	=	109
Death on ART patients	=	101
Transferred out Patients (ART & PART)	=	503
LFU patients (lost to followup)	=	97
Opted out	=	62
Stopped treatment	=	02
<b>Total alive On ART patients</b>	<b>=</b>	<b>564</b>
Adult patients: Male	=	324
Female	=	203
T/G	=	0
Children pt's Male	=	19
Female	=	18

**Cumulative number of HIV patients in active care:**

Adult patients	=	540
Child Patients	=	39
<b>Total</b>	<b>=</b>	<b>579</b>

**O I patients:**

SI. No.	O.Is	Total No. of O.Is at the End of Sept'2016	% of all Cases
1	Diarrhea	384	26.4
2	TB	317	22
3	Oral Candidiasis	466	32
4	Bacterial Infection(Resp.)	584	40
5	Skin ds.	476	33
6	Cryptococcal Meningitis	16	1.1
7	PCP	29	1.9
8	Penicilliosis	04	<1
9	Herpes Zoster	35	1.7
10	Toxoplasmosis	02	<1
11	Histoplasmosis	01	<1
12	CMV retinitis	08	<1
13	Herpes Simplex	01	<1

## RIA CENTRE

Sl.No	Hormone	2017-2018
01	Triiodothyronine (T3)	7000
02	Thyroxine (T4)	7200
03	Thyrotrophin-stimulating hormone (TSH)	11000
04	Ferritin	900
05	Insulin	350
06	Free Thyroxine (FT4)	800

## GENERAL MEDICINE

<i>Sl No</i>	<i>Services</i>	<i>Total cases</i>
<b>i.</b>	<b>Medicine OPD</b>	<b>: 106953</b>
<b>ii.</b>	<b>Medicine Indoor</b>	<b>: 17548</b>
<b>iii.</b>	<b>Medicine ICU</b>	<b>: 502</b>
<b>iv.</b>	<b>Rheumatology Clinic (<i>once weekly</i>)</b>	<b>: 1547</b>
<b>v.</b>	<b>Diabetic Clinic (<i>once weekly</i>)</b>	<b>: 450</b>
<b>vi.</b>	<b>Nephrology Clinic (<i>twice weekly</i>)</b>	<b>: 3129</b>
<b>vii.</b>	<b>Nephrology Indoor Referrals</b>	<b>: 460</b>
<b>viii.</b>	<b>Nephrology Indoor</b>	<b>: 62</b>
<b>ix.</b>	<b>Hemodialysis</b>	<b>: 4720</b>
<b>x.</b>	<b>Geriatric Clinic (<i>daily</i>)</b>	<b>: 5259</b>

## GENERAL SURGERY

### Operation records-

Major OT	-	3156
Minor OT	-	1698
<b>Total OT (Major &amp; Minor)</b>	<b>-</b>	<b>4854</b>

OPD Cases	-	38161
Casualty	-	12597
<b>Total</b>	<b>-</b>	<b>50758</b>

## ANAESTHESIOLOGY

Services	Nos.
Major Operation	6695
Minor Operation	1895
L.S.C.S	1951
ICU service	385
Pain clinic	12

## PAEDIATRICS

Sl. No.	Test Done	No. of Patients
1	Urine routine	3083
2	Blood	3502
3	Stool	5

### Vaccinations:-

BCG	6703
OPV	7843
HEP.B	5961
DPT	569
PENTAVALENT	945
JE	1159
MEASLES	779
VIT.A	1558

### OPD & INDOOR DATA

Sl.no.	Services	No. of Patient's
1	Pediatrics OPD	27011
2	Pediatrics Indoor	6606
3	Pediatrics Emergency patients	4499
4	PICU Admission (since Feb 2018)	410
5	Genetics Clinic	45
6	Thalassemia clinic	200
7	Health Camps	13
8	Cancer Patients (indoor) (Hemato-Lymphoid)	60 80
9	Cancer Clinic (OPD)	
10	Paediatrics Nephrology OPD (Since September 2018)	20

**Neonatal Unit :**

<b>Sl.no.</b>	<b>Procedure</b>	<b>Number</b>
1	Ventilation of neonates	325
2	D V E T	250
3	C P A P	700
4	Neonatal mortality	27/1000 LB (2017-18)
5	Partial exchange transfusion	5
6	Central umbilical catheter	10
7	Inter costal Drainage tube for pneumothorax	4
8	Peritoneal dialysis	0
9	OPD cases seen (High risk clinic)	912
10	FBNC workshop	2
11	FBNC Observership	7

**PAEDIATRIC SURGERY**

	<b>Nos.</b>
<b>a) OPD attendance:</b>	4853
<b>b) Indoor admission:.</b>	955
<b>c) Major operations:</b>	860
<b>d) Minor operations:</b>	243
<b>e) Upper GI endoscopy ± Banding:</b>	15
<b>f) Colonoscopy:</b>	2
<b>g) Laparoscopic surg:</b>	5
<b>h) Thoracoscopic decortications:</b>	2
<b>i) Bronchoscopy:</b>	8
<b>j) Cystoscopy:</b>	25

## PLASTIC SURGERY

1. Major Operation:	361 nos.
2. Minor Operation: -	313 nos.
3. Total OPD Registration: -	2753 nos.
4. Total Pt. Admission:-	697 nos.
5. Total Burn Patient:-	472 nos.

## CTVS

1. Major Operations	98 cases
2. Minor Operations	143 cases
3. Total OPD cases	1797 cases

## CARDIOLOGY

1. Permanent Pacemaker implantation –	266nos.
2. Temporary Pacemaker implantation –	142 nos.
3. Coronary Intervention (Angiography &Angioplasty) -	449 nos
4. EP Study and RF Ablation -	5 nos.
5. 24 Hours Holter monitoring -	37 nos.
6. Echocardiography -	6329nos.
7. ECG (OPD) -	20338 nos.
8. ECG (Indoor ) -	8,256 nos
9. OPD Attendance: -	8534 nos.
10. Indoor Admission -	2752 nos.
11. Pacemaker clinic -	453 nos.

## DENTISTRY

Serial No.	Name of surgeries Done	No. of cases done
1.	Total extractions	32470
2.	Major operations	15
3.	Surgical Extractions	95
4.	Periodontal surgeries	35
5.	Cyst/Epulis excision	30
6.	Jaw fractures treated	42
7.	Cusp grinding	45
8.	Biopsy	45
9.	Other minor surgeries	35
10.	Scaling	35
	<b>TOTAL NEW CASES</b>	<b>14156</b>

## ENT

1. O.P.D Attendance. - 28,182 Nos.
2. Indoor - 1382 Nos.
3. Major Operation - 471 Nos.
4. Minor Operation - 1068 Nos.

## OPHTHALMOLOGY

Sl No.	OPD/Histology/Bacteriology	No.	Sl No	Indoor/Immunohistochemistry/Parasitology	No
1.	OPD	30,722	4.	Indoor	3346
	Cytology/Major OT/Mycology	No.		Hematology/Minor OT/Serology	No.
2.	Major OT		5.	Minor OT	419
	Labour Room/Virology/ Refraction	No.		EPOT/Immunology/Laser etc	No.
3.	Refraction	13,872	6.	Laser	214
<b>Professional Service done</b>					
	1. Major Operation			2612	
	2. Minor Operation			419	
	3. Cataract (I.O.L.)			2474	
	4. Keratoplasty			3	
	5. Perimetry			52	
	6. OCT			17	
	7. A-scan			2241	
	8. Squint Clinics			125	
	9. Screening Camp			75	
	10. Eye operation camp			75	

## OBST. & GYNAECOLOGY

Name	No.
1. OPD	28,187
2. Major OT	845
3. Labour Room	11,131
4. Indoor	10,333
5. Minor OT	492
6. FPOT	689
7. L.S.C.S	4321
8. Vaccination	657



## PSYCHIATRY

OPD	New – 7567 Old - 4676 Total - 12243
IPD	Female – 238 Male – 652 Total – 890
ECT	398

## NEUROLOGY

Sl No.	<u>OPD Patient</u>	<u>Indoor Patient</u>	<u>Referral cases</u>	<u>EEG Cases</u>
1	MALE = 3366 FEMALE = 2455 TOTAL = 5821	MALE = 249 FEMALE = 160 TOTAL = 409	698	673

## T. B. & CHEST (PULMONARY MEDICINE)

1	OPD attendance	New patient- 4240 Old Patient- 3427  Male – 4045 Female- 3622 Total - 7667
2	Sputum AFB	Total Positive 395. Total Negative 1114 Total - 1509
3	Indoor cases	Male – 321 Female - 231 Total- 552
4	CBNAAT done	1361

## DERMATOLOGY

- a) Total OPD cases – 28,978
- b) Total inpatient admissions – 416
- c) Total OT procedures - 748