

मेडिकल रेकर्ड बिभागको प्रस्तुती

लुम्बिनी अञ्चल अस्पतालको मेडिकल रेकर्ड बिभागलाई पनि नेपालका अन्य अस्पतालहरू सरह अस्पताल प्रशासनको एउटा शाखाको रूपमा बिकास गरी सोहि अनुसार यसका कृत्याकलापहरूलाई अगाडि बढाइएको छ । यो अस्पतालले प्रदान गर्ने क्लिनिकल सेवाको अति उपयोगी सेवा भएको विश्व स्वास्थ्य संगठन लगायतका विश्वस्तरका संस्थाहरू लगायतले स्वीकार गरे तापनि यहाँ यसलाई सोहि अनुरूप स्वीकार गर्न सकेको पाइन्न । सीमित सरकारी पहल र धेरै जसो व्यक्तिगत चासोका आधारमा यस अस्पतालको यस बिभागमा जे जति सूचनाहरूको मेडिकल रेकर्ड प्राप्त गर्न सकिएको छ, त्यसलाई बिश्लेषण तथा संश्लेषण गर्दा यस अस्पतालको तस्विर यस प्रकार देखिन्छ ।

मेडिकल रेकर्ड शाखामा उपलब्ध जनशक्तिहरू

सि.नं.	कर्मचारीको नाम	पद	श्रोत
१.	श्री लक्ष्मीराज रेग्मी	मेडिकल रेकर्ड अधिकृत (बिभाग प्रमुख)	नेपाल सरकार
२.	श्री भोला क्षेत्री	मेडिकल रेकर्ड असिस्टेण्ट	अस्पताल बिकास समिति
३.	श्रीमती उर्मिला प्रधान	खरिदार (डाटाइन्ट्री क्लर्क)	अस्पताल बिकास समिति

1. EMERGENCY SERVICES PROVIDED

S. No.	Types	2064/065	2065/066	2066/067	Remarks
1	General Emergency	16674	19706	14663	
2	Police Cases	4122	4801	4619	
3	Total Snake Bite Case	1146	1282	1160	
	Poisonous Snake Bite	166	155	154	
	Non Poisonous Snake Bite	980	1127	1006	
4	Obs/Gynae. Cases	6571	6914	7156	
5	Total Emergency Cases	28513	32703	27598	
6	Brought Death Cases	168	230	220	
7	Grand Total of Emergency Cases	28681	32933	27818	
8	Admission in Indoor	11665	12670	12256	
9	Referred Out	754	1439	1332	
10	Expired	172	185	194	
11	LAMA	94	106	116	
12	DOR	10	54	61	
13	Discharged From Emergency	15818	18249	13639	
14	Total Observation Beds	16	16	16	
15	Emergency Observation Days	4510	6495	7026	
16	Per day Observation Patients (average)	12	18	19	

2. OPD Services

S. No.	Types of OPD	2064/065	2065/066	2066/067	Remarks
1	New OPD Patients	86,360	91,365	95,933	
2	Follow-ups Patients	20,581	22,421	20,049	
3	Total OPD Patients	1,06,941	1,13,786	1,15,982	

3. Inpatients Services

S. No.	Name of Services	2064/065	2065/066	2066/067	Remarks
A. Medical Department Services					
1	Total No.of Doctors	4	5	5	
2	Total No.of Nurses	7	7	7	
3	Total General Beds	25	25	25	
4	Total No.of Cabin	6	6	6	All are Common Cabin
5	Total No.of Bed	31	31	31	
6	Total No.of Inpatients	2581	3158	2662	
7	Improved / Cured	2361	2876	2566	
8	Total Patients' Days	9,069	12,270	12,482	
9	Per Patients Days	3.8	4.3	4.7	
10	Not Improved	2	0	0	
11	Referred out	152	216	45	
12	LAMA	20	12	10	
13	Absconded	5	3	2	
14	Expired	41	51	39	
B. General Surgical Department Services					
1	Total No.of Doctors	2	2	3	
2	Total No. of Nurses	7	7	7	
3	Total General Beds	26	26	26	
4	Total No.of Cabin	-	-	-	
5	Total No.of Bed	26	26	26	
6	Total No.of Inpatients	1505	1396	1262	
7	Total Patients' Days	6,840	5,541	5534	
8	Per Patients Days	4.5	4.3	4.4	
9	Improved / Cured	1421	1293	1169	
10	Not Improved	0	0	0	
11	Referred out	45	69	74	
12	LAMA	10	19	5	
13	Absconded	6	1	0	
14	Expired	23	14	14	
C. Paediatric (Child) Departments Services					
1	Total No.of Doctors	1	1	1	
2	Total No. of Nurses	8	8	8	
3	Total General Beds	18	18	18	
4	Total No. of Cabin	7	7	7	All are Common Cabin
5	Total No.of Bed	25	25	25	
6	Total No.of Inpatients	942	721	803	
7	Total Patients' Days	2,683	2,652	2,828	
8	Per Patients Days	2.8	3.7	3.5	
9	Improved / Cured	862	639	697	
10	Not Improved	0	0	0	
11	Referred out	31	42	86	
12	LAMA	6	10	5	
13	Absconded	2	2	4	

14	Expired	40	28	11	
D. Orthopaedics Departments Services					
1	Total No.of Doctors	1	2	2	
2	Total No. of Nurses	Manage By Surgical Nursing Unit			
3	Total General Beds	14	14	14	
4	Total No. of Cabin	-	-	-	
5	Total No.of Bed	14	14	14	
6	Total No.of Inpatients	292	312	251	
7	Total Patients' Days	4,081	3,800	3,837	
8	Per Patients Days	14.0	12.2	15.3	
9	Improved / Cured	280	292	237	
10	Not Improved	0	0	0	
11	Referred out	5	10	10	
12	LAMA	5	7	3	
13	DOR	2	3	1	
14	Expired	1	-	-	
E. ENT Department Services					
1	Total No.of Doctors	1	1	1	
2	Total No. of Nurses	-	-	-	No Separate Ward
3	Total General Beds	No Separate Beds are available to ENT Inpatients. They are treating in Surgical Beds.			
4	Total No of Cabin				
5	Total No.of Bed				
6	Total No.of Inpatients	226	175	127	
7	Total Patients' Days	756	594	566	
8	Per Patients Days	3.4	3.5	4.5	
9	Improved / Cured	220	171	123	
10	Not Improved	0	0	0	
11	Referred out	4	3	2	
12	LAMA	1	1	2	
13	DOR	1	0	0	
14	Expired	-	-	-	
F. Obstetrics and Gynaecology Department Services					
1	Total No.of Doctors	4	3	3	
2	Total No.of Nurses	16	16	16	(Including 9 Nurses in Labour department)
3	Total General Beds	39	39	39	Including 14 Beds of Labor Room
4	Total No.of Cabin	-	-	-	
5	Total No.of Bed	39	39	39	
6	Total No.of Inpatients	6118	6908	7156	
7	Improved / Cured	6087	6856	7046	
8	Total Patients' Days	14,359	14,724	15,147	
9	Per Patients Days	2.3	2.1	2.1	
10	Not Improved	0	0	0	
11	Referred out	14	30	89	
12	LAMA	7	9	5	
13	DOR	6	5	8	
14	Expired	4	8	8	

4. Maternity Inpatients Services Provided

Variable	Total Cases					
	2061/062	2062/063	2063/064	2064/065	2065/066	2066/067
A. TOTAL OBSTETRIC AND GYNAECOLY INPATINTS						
Total Obstetric Cases	2945	2965	4458	5764	6447	6820
Total Gynaecology Cases	414	319	311	354	426	349
Total Obs. /Gynae. Cases	3359	3284	4769	6118	6873	7169
B. AMONG OBSTETRIC CASES						
Direct Obstetric Complication	953	915	1188	1541	1830	2383
Women with other Obstetric Complication	1832	1776	2989	3940	4327	4241
Women with Non-Obstetric Morbidity	160	274	281	283	290	196
C. AMONG DIRECT OBSTETRIC COMPLICATION						
Ante partum Hemorrhage(APH)	19	11	33	26	33	47
Postpartum Hemorrhage (PPH)	28	27	59	64	111	160
Ectopic Pregnancy	17	21	16	13	12	12
(Prolonged) Obstructed Labour	577	567	720	962	1171	1496
Ruptured Uterus	5	3	15	23	17	22
Pre-Eclampsia	23	12	25	5	28	59
Eclampsia	3	9	14	25	15	22
Retained Placenta	77	65	85	96	110	121
Postpartum Sepsis	15	28	21	23	25	25
Abortion Complication	189	172	200	304	308	419
D. NEONATAL DEATH						
Early Neonatal Death	13	17	33	26	17	6
Late Neonatal Death	11	7	5	5	3	1
Total Neonatal Death	24	24	38	31	20	11
E. MATERNAL DEATHS						
Direct Obstetric Maternal Deaths	13	7	7	4	8	7
Indirect Obstetric Maternal Deaths	5	-	1	-	-	1
Total Maternal Deaths	18	7	8	4	8	8
F. Referral Status						
Referrals from other facilities	55	31	72	0	97	93
Referrals to other facilities	10	11	10	4	65	184

5. DELIVERY SERVICES PROVIDED

S. No.	Types of Delivery		2064/065	2065/066	2066/067
1	Spontaneous Vaginal Delivery	Normal	3748	4361	4173
		Breech	86	84	80
		Premature	38	50	41
		Total Delivery	3872	4495	4294
2	Instrumental Vaginal Delivery	Forceps	3	2	1
		Vacuum	205	144	170
		Total Delivery	208	146	171
3	Operated Delivery	Total LSCS	757	1110	1407
4	Single Delivery	Single Baby Born	4778	5712	5834
5	Twin Delivery	Double Baby Born	58	39	38
6	Triple Delivery	Triple Baby Born	1	-	-
7	Total Delivery	-	4837	5751	5872
8	Total Baby Born	Total Baby	4897	5790	5910
9	Stillbirth Baby	Macerated Stillbirth	150	138	129
		Fresh Stillbirth	25	24	19
		Total Stillbirth	175	162	148
10	Live Birth Baby	Total Live birth	4722	5628	5762
11	Baby Birth Weight	Low Birth Weight	718	936	865
		Very Low Birth Weight	64	39	58
		Extremely Very Low Birth Weight	24	32	32
		Total Low Birth Weight	806	1007	955
		High Birth Weight	60	60	87
		Normal Birth Weight	4031	4723	4868

6. Operation Services

S. No.	Department	Types	Sex	2064/065	2065/066	2066/067
1	Obstetrics/ Gynecology	Major	Female	858	1176	1481
		Intermediate	Female	75	82	99
		Minor	Female	225	215	256
		CAC	Female	515	446	555
		PAC	Female	238	202	239
2	Surgical	Major	Male	253	230	147
			Female	136	152	148
			Total	389	382	295
		Intermediate	Male	140	84	110
			Female	32	44	47
			Total	172	128	157
		Minor	Male	360	431	256
			Female	269	195	156
			Total	629	626	412
3	ENT	Major	Male	52	39	36
			Female	54	58	47
			Total	106	97	83
		Intermediate	Male	71	48	68
			Female	94	60	63
			Total	165	108	131
		Minor(O.T.)	Male	35	44	26
			Female	33	46	22
			Total	68	90	48
		Minor (OPD)	Male	81	73	83
			Female	67	90	95
			Total	148	163	178
		Minor Total (OT+OPD)	Male	116	117	109
			Female	100	136	117
			Total	216	253	226
4	Orthopaedics	Major	Male	58	82	84
			Female	33	49	52
			Total	91	131	136
		Intermediate	Male	197	177	164
			Female	84	89	63
			Total	281	266	227
		Minor	Male	154	59	35
			Female	51	18	12
			Total	205	77	47
5	Plasters	Types A	Male	171	240	254
			Female	85	101	118
			Total	256	341	372
		Types B	Male	96	104	148
			Female	45	65	76
			Total	141	169	224
		Types C	Male	1248	1443	1366
			Female	850	1051	1034
			Total	2096	2494	2400

7. Hospital Laboratory Service Provided

S. No.	Types of Laboratory Services	2065/066	2066/067	Trends
1	Hematological Services Test	1,07,930	98,763	-
2	Bio-Chemistry Services Test	54,621	61,272	+
3	Immunological/Serology Services Test	15,534	19,670	+
4	Parasitological(Bacteriology) Services Test	25,521	13,200	-
5	Microbiological Services Test	16,681	13,200	-
6	Cytological Services Test	489	546	+

8. Other Clinical, Clinical Supportive & Clinical Utility Services

S. No.	Name of Services	2064/065	2065/066	2066/067	Trends
1	Physiotherapy	3,339	3,047	5,363	+
2	USG	6,779	8,773	8,348	-
3	X-ray (No. of Patients)	NA	24,900	25,179	+
4	ECG	2,891	3,102	1,886	-
5	Endoscopy	326	197	167	-
6	Audiogram	618	707	748	+
7	Tympanogram	No Services	NA	78	
8	Total Snake Bite	1145	1282	1160	+
9	Poisonous Snake Bite	166	155	154	+
10	Expired by Snake bite	24	22	27	+
11	Post Exposure Treatment of Rabies (No. of Cases)	1205	1338	1320	+

9. Service Indicators of Lumbini Zonal Hospital Services

S. No	Name of Hospital Indicator	2064/065	2065/066	2066/067	Trend
1	Total OPD visits as % of Total Population	4.4%	4.7%	4.8%	+
2	% of Emergency visits among Total Patients	17.1%	20.5%	19.2%	-
3	Delivery conducted as a % of Expected Pregnancy of Rupandehi	15.9%	18.5%	24.6%	+
4	Proportion of Non communicable disease among inpatients	89%	91%	91%	+
5	Death Among Inpatient	1.3%	1.3%	0.6%	+
6	% of Major Surgery among Total Surgery	28.2%	27.4%	27.5%	+
7	% of Intermediate Surgery among Total Surgery	16.7%	15.6%	16.7%	+
8	% of Minor Surgery among Total Surgery	55.1%	59.0%	55.8%	-
9	Per Doctor : Inpatient Patients	365	409	395	-
10	Per Doctor: OPD Patients	3342	3671	4296	+
11	Per Nurses : Inpatient Patients	278	275	266	-
12	Infection Rate among Total Operation Cases	1.0%	1.2%	1.1%	+
13	Average Length of Stay (ALS)	3.3dys	3.1dys	3.3dys	+
14	Mortality Rate of Surgical Cases	1.7%	1.0%	1.1%	-
15	Mortality Rate of Medical Cases	1.8%	1.6%	1.5%	+
16	Percentage of Non-salary cost	59.0%	44.2%	45.5%	+
17	Bed occupancy Rate	76.7%	80.5%	82.0%	+
18	Average Length of Stay (In Days)	3.2	3.1	3.3	+
19	Throughputs Patients (Turnover Patients Per Bed)	86	94	91	-
20	Turnover Interval (In Days)	0.7	0.5	0.5	+
21	Cost Recovery Rate	40.4%	63.5%	63.7%	+
22	Poor Patient Exemption Rate	11.11%	16.5%	27.7%	+
23	Poor Patient Charge Exemption Rate	8.4%	22.6%	12.4%	-
24	Patient Sex Ratio (No of Male Per 100 Female)	46	68	76	-
25	Ratio of Referred-In (No of Walk-In Patients Per Referred - In)	1043	643	531	+
26	Percentage of Referred out Patients among total Patients	0.7%	1.1%	1.2%	-
27	Total No of Patients of Per Day Output of X-ray	NA	86	87	+
28	Per Day Output of Laboratory (No of Test)	NA	726	718	-

माथि उल्लेख गरिएका २८ वटा सूचकाङ्कहरू नेपाल सरकारले अस्पतालका सेवाहरूको मूल्याङ्कन गर्न तयार गरी उपयोग गरी रहेको छ । अस्पतालहरूमा रहेका सूचनाहरू मध्ये आर्थिक सम्बन्धि सूचनाहरू, स्टोर सम्बन्धि सूचनाहरू, कर्मचारी प्रशासन सम्बन्धि सूचनाहरू तथा क्लिनिकल सूचनाहरू अलग अलग प्रणालीबाट प्रवाह गर्ने गरिएकोमा नेपाल सरकारले ती सबै सूचनाहरूलाई एकीकृत रूपमा एउटै मार्गबाट प्रवाह गर्ने नीति लिई मेडिकल रेकर्ड विभागबाट मात्र प्रवाह गर्ने नीति लिएको छ । तर सरकारको यो नीति कार्यान्वयन हुन सकेको छैन किनभने सरकारले मानवीय स्वास्थ्य सेवाका चार अङ्क मध्ये प्रतिकारात्मक तथा प्रवर्धनात्मक सेवा हेर्न पर्ने जनस्वास्थ्य कार्यालयहरूको मातहतमा सम्पूर्ण अस्पताल सूचनाहरूलाई प्रवाह गर्ने नीति बनाएको छ, जसले गर्दा अस्पताल सूचना अपाङ्क बनेको छ । यसका अलावा अस्पताल सूचनाहरूलाई आधार बनाएर चलाइएका गैँह सरकारी तथा अन्तर्राष्ट्रिय संघ/संस्थाहरूबाट प्रतिफल पाइने भयो भने अस्पताल भित्रका पनि सबैजना मेडिकल रिपोर्टर बन्ने प्रवृत्ति व्याप्त छ । यस्तो प्रवृत्तिको कारण अस्पतालको मेडिकल रेकर्ड शाखा तथा मेडिकल रेकर्डहरूलाई अस्पताल सूचनाको आधिकारिक विभाग बनाउन कोहि पनि तयार भएको पाइदैन । यस कारण सरकारको निर्णय भएर सरकारबाट ल्याइएका १५/२० वटा सूचकाङ्कहरू तयार गर्नै सकिन्न । दुई/तीनवटा सूचकाङ्कहरू अभिसम्म स्पष्ट समेत छैनन । माथि उल्लेख गरिएका तयार गर्न सकिने २५ वटा सूचकाङ्कहरूलाई पनि सरकारले चार समूहमा बिभाजन गरेर हेरेको छ ।

१. Indication relating to Quality of Care
२. Indicator Relation to Efficiency
३. Indicator Relating to Equity
४. Operational Indicator

यसरी माथि उल्लेख गरिएका चारै समूहका कूल २८ वटा सूचकाङ्कमध्ये १८ वटा सकारात्मक देखिन्छन् । अस्पतालमा उपचारको लागि आउने सबै बिरामीलाई सीमित शैया र सीमित जनशक्तिको कारणले बिरामीको चाहना अनुसार उपचार सेवा पुऱ्याउन सकिएको छैन । यसले यो अस्पताललाई तुरुन्त नै स्तरबृद्धि गर्न आवश्यक देखिएको संकेत गर्दछ । यसका अलावा पनि यस अस्पतालमा अपेक्षा अनुरूप मेडिकल रेकर्ड पद्धति लागु गर्न सकियो र सबै सूचना प्रवाह मेडिकल रेकर्ड बिभागबाट मात्र प्रवाह गर्न सकियो भने यो स्तर धेरै माथि पुग्न सक्दछ । अहिलेको स्थितिमा ६४ प्रतिशत सूचकाङ्कहरू सकारात्मक छन् भने यसलाई सुधार गर्न सकियो भने यो धेरै माथि पुग्न सक्दछ । यसकारण यस हिसाबले यो अस्पतालको सेवा उत्कृष्ट छ भन्न जो कोहिलाई पनि करै लाग्दछ ।

10. Hospital Preventive and Promitive Services to Butwal Municipality People

Immunization Programme

Indicators	2064/065	2065/066	2066/067
• BCG Coverage	100%	100%	100%
• DPT- Hep B -3 Coverage	66.2%	77.6%	80.2%
• Measles Coverage	56.8%	60.1%	65.1%
• Complete Vaccine	56.8%	60.1%	65.1%
• JE Vaccine	10.2%	32.3%	44.8%
• Dropout Rate (BCG vs Measles)	56.3%	54.2%	69.1%
• Dropout Rate (DPT-Hep B I vs DPT-Hep B III)			
• % of Pregnant women receiving TT2 & TT2+	39.5%	55.0%	100.0%

Nutrition Programme

Indicators	064/65	065/66	066/67
• % of New Growth Monitoring (<5years)	76.3%	80.3%	100%
• Proportion of Malnourished children as % of New Growth Monitoring, <5yrs;	6.8%	8.4%	8.5%
• % of expected pregnant mothers receiving Iron tablets New	100%	100%	100%
• Iron Compliance			

Safe Motherhood

Indicators	2064/65	2065/66	2066/67
• ANC 1st visit as % of Expected Pregnancy	54.4%	77.9%	100%
• 4th ANC visit as % of Expected Pregnancy	33.2%	40.8%	63.2%
• % of delivery conducted by SBA at HF's and Home against Expected pregnancy	100%	100%	100%
• % of delivery conducted by Other Health Workers on HF & home against Expected pregnancy			
• % of LSCS among Total deliveries	15.7%	19.3%	24.0%
• PNC 1 st visit as % of expected pregnancy	100%	100%	100%
• % of CAC service provided among Expected Pregnancy	15.9%	13.3%	20.0%
• % of PAC service provided among Expected Pregnancy	7.4%	6.4%	13.5%
• Proportion of delivery conducted at B/CEOC service			

site			
• Maternal Death as % of expected Pregnancy	0.12%	0.24%	0.32%
• Neonatal first time checkups	100%	100%	100%

Family Planning Program

Indicators	2064/65	2065/66	2066/67
• Target Vs achievement of current users			
• Contraceptive Prevalence Rate (CPR) as % of MWRA)	27.8%	29.2%	32.2%
• Target Vs achievement in expected VSC cases	58%	80.7%	94.0%
• Proportion of VSC conducted at health facilities among total VSC			
• Proportion of VSC conducted by Non Governmental sector among total VSC			
• Proportion of IUCD and Implant among new Acceptor			