

The major causes for morbidity and mortality in the 2 largest neonatal units at CB Dunbar Hospital and Martha Tubman Memorial Hospital are documented in the Tables below. These data are obtained from the neonatal unit Admissions Books only and individual cases have not been further investigated for the scope of our monitoring and evaluation. The purpose of the data is to give an overview of the demand and activity on the Neonatal Unit along with Neonatal Outcomes. In the tables below please find the data from 2022 with activity from the previous year 2021 as a comparison. Both obstetric and neonatal clinicians have been trained to provide advanced resuscitation of the newborn infant who does not breathe at birth and are training nurses and midwives in health clinics in rural counties where babies continue to be born (see information below).

MNDSR neonatal emergency hospital care CB Dunbar Hospital Liberia 2021

Number admissions	393	Place birth			Resuscitation		Reason for admission	
Number of deaths	51 13%	Hospital	361 92 %		Yes	172 44%	Anaemia	0
Discharged AMA	0	Clinic	22 6%		No	206	Birth asphyxia	166
Referred	0	Home	10 3%		Unknown	15	Early onset sepsis	68
Unknown outcome	4	Unknown	0				Late onset sepsis	13
Age at admission					Duration admission		Risk for sepsis	115
Day of birth	315	Birth weight			1-7 days	357	Jaundice	1
1-2 days	60	ELBW (<1000g)	2		8-14 days	32	Malaria	3
3-7 days	12	VLBW (1000-1499g)	6		15-21 days	0	Meconium aspiration	2
8-14 days	3	LBW (1500-2499g)	58		>21 days	0	Tetanus	3
15-21 days	2	2500-2999g	122		Unknown	4	Prematurity	21
>21 days	1	3000-3999	194					
		4000+	9				Pneumonia Omphalitis Maternal HIV	3
		Unknown	2					
Reason admission for deaths		Some deaths had more than 1 cause						
Birth asphyxia	39							
Prematurity	6						TTN	1
Tetanus	1						SGA, LBW FTT, Macrosomia	2
Risk of sepsis	3							
EONS	0							
LONS	2						Birth trauma Fracture Congenital anomaly	1
Jaundice	0							
Infant of HIV + mother	0							
Pneumonia	0							
Low birth weight	0							

MNDSR neonatal emergency hospital care CB Dunbar Hospital Liberia 2022

Number admissions	639	Place birth		Resuscitation		Reason for admission	
Number of deaths	46 7%	Hospital 550 born in CB Dunbar	560 87 %	Yes 10% received chest compressions	245* 38%	Anaemia	1
Discharged AMA	26	Clinic	49 8%	No	383	Birth asphyxia	229
Referred	1	Home	30 5%	Unknown	11	Early onset sepsis	120
Unknown outcome	2	Unknown	0			Late onset sepsis	37
Age at admission				Duration admission		Risk for sepsis	175
Day of birth	354	Birth weight		1-7 days	493	Jaundice	2
1-2 days	221	ELBW (<1000g)	1	8-14 days	101	Malaria	6
3-7 days	40	VLBW (1000- 1499g)	15	15-21 days	25	Meconium aspiration	5
8-14 days	15	LBW (1500- 2499g)	135	>21 days	18	Tetanus	1
15-21 days	3	2500-2999g	172	Unknown	2	Prematurity	65
>21 days	6	3000-3999	274				
		4000+	19			Pneumonia Omphalitis Maternal HIV	8
		Unknown	23				
Reason for admission in deaths		Some deaths had more than 1 cause					
Birth asphyxia	30						
Prematurity	4					TTN	0
Tetanus	0					SGA, LBW FTT, Macrosomia	12
Risk of sepsis	2						
EONS	6						
LONS	5					Birth trauma Fracture Congenital anomaly	1
Jaundice	1						
Infant of HIV + mother	1						
Pneumonia	1						
Low birth weight	1						

MNDSR neonatal emergency hospital care MTMH Liberia 2022

Number admissions	421	Place birth		Resuscitation		Reason for admission (some multiple reasons)	
Number of deaths	14 3.3 %	Hospital	386 92 %	Yes 2 received chest compressions	164* 39%	Congenital heart disease	1
Discharged AMA	26	Clinic	25 6%	No	251	Birth asphyxia	159
		Home	6 1%	Unknown	6	Early onset sepsis	43
Unknown outcome	1	Unknown	4			Late onset sepsis	17
Age at admission				Duration admission		Risk for sepsis Sepsis undefined	152 16
Day of birth	369	Birth weight		1-7 days	352	Jaundice	0
1-2 days	23	ELBW (<1000g)	0	8-14 days	63	Malaria	8
3-7 days	10	VLBW (1000-1499g)	4	15-21 days	3	Meconium aspiration	1
8-14 days	6	LBW (1500-2499g)	75	>21 days	1	Tetanus	0
15-21 days	7	2500-2999g	119	Unknown	2	Prematurity	11
>21 days	3	3000-3999	212				
		4000+	9			Pneumonia, NEC Omphalitis Meningitis Maternal HIV	14
Unknown	3	Unknown	2				
Reason deaths admission		Some deaths had more than 1 cause					
Birth asphyxia	8						
Prematurity	0					TTN	0
Tetanus	0					SGA, LBW FTT, Macrosomia	13
Sepsis NR	2						
EONS	1						
LONS	0					Birth trauma Herbal toxication Fracture, anaemia Congenital anomaly	4
Jaundice	0						
Malaria	1						
Pneumonia	2						
Low birth weight	1						