

Supplementary Table 5: Neonatal Mortality Associated with Intrapartum-Related NE

Author Year	USUAL CARE											INTERVENTION											Comments		
	Any grade cases	Any grade deaths	Any grade deaths/1000	Gr I cases	Gr I deaths	Gr II cases	Gr II deaths	Gr III cases	Gr III deaths	Gr II-III cases	Gr II-III deaths	Any grade cases	Any grade deaths	Any grade deaths/1000	Gr I cases	Gr I deaths	Gr II cases	Gr II deaths	Gr III cases	Gr III deaths	Gr II-III cases	Gr II-III deaths			
Aker 2021	25	5	200.0			24		1		25	5	25	2	80.0			24		1		25	2	Sarnat grade of deaths not specified		
Aly 2015												30	5	166.7			24		6		30	5	Sarnat grade of deaths not specified		
Bharadwaj 2012	62	6	96.8			54		7		62	6	62	3	48.4			55		8		62	3	Sarnat grade of deaths not specified		
Biselele 2020												7	3	428.6							7	3			
Biselele 2018	57	25	438.6	30	8	9	6	3	3	42	17														
Biselele 2013	44	14	318.2	16	1	20	7	8	4	28	11														
Biselele 2014	19	3	157.9																						
Bozkurt 2020												166	26	156.6			117		49		166	26	Sarnat grade of deaths not specified		
Catherine 2021	84	29	345.2							84	29	78	22	282.1							78	22			
Celik 2015 **	7	0	0.0	7	0																				
Celik 2016 **												29	2	69.0			12		17		29	2	Sarnat grade of deaths not specified		
Das 2017	30	9	300.0			20	6	10	3	30	9	30	3	100.0			20	1	10	2	30	3			
El Shimi 2014	10	8	800.0	Information in article Table 1 and text does not add up, mortality calculated by Table 1 only								10	8	20	11	550.0	Information in article Table 1 and text does not add up, mortality calculated by Table 1 only						20	11	
Enweronu Laryea 2019												14	3	214.3	5	0	4	1	3	2	7	3			
Gucuyener 2012												10	2	200.0			6	0	4	2	10	2			
Hassanein 2017	20	5	250.0	11	0					9	5	Unclear if infants received therapeutic hypothermia or not. As cooling was not mentioned we presumed that no treatment was given.													
Horn 2010												5	0	0.0							5	0			
Horn 2012												14	3	214.3							14	3	Sarnat grade of deaths not specified		
Horn 2013	110	17	154.5									Unclear if infants received therapeutic hypothermia or not. As cooling was not mentioned we presumed that no treatment was given.													

Jia 2018	89	7	78.7	30		30	27			63	2	31.7	32	20	11			Outcomes were not disaggregated by NE grade and 50% were mild NE cases, this study is not included in Figure 2		
Khuwuthyakorn 2021										23	7	304.3		19	4	23	7	Sarnat grade of deaths not specified		
Kinoshita 2021										71	3	42.3		25	10	71	3	36 cases with inadequate record of NE grade		
Lally 2014	37	2	54.1							17	4	235.3				17	4	Grade II-III based on Thompson > 5 at < 6 hrs. Sarnat Grade Day 3 was used in calculation of Grade I NE mortality and distribution of NE severity.		
Malla 2017	50	6	120.0			26	24			50	6	120.0		24	26	50	6	Sarnat grade of deaths not specified		
Maoulaine 2017	19	7	368.4							19	3	157.9				19	3			
Martinez H. 2020										12	2	166.7				12	2			
Moshiro 2020	146	37	253.4	113	11	16	9	17	17	33	26									
Niaz 2021	84	13	154.8															Due to inclusion of preterm cases <35 weeks of gestation, disaggregated data were not included.		
Oliveira 2018										82	15	182.9		61	5	21	10	82	15	
Onay 2021										34	5	147.1	3	22	9	34	5	Sarnat grade of deaths not specified, all included in Figure 2 despite 3 mild cases		
Perez 2018										53	15	283.0		15	38	53	15	In text both 15 and 5+6=11 deaths are mentioned		
Prashantha 2019										51	2	39.2		57	5	51	2	11 cases were dismissed against medical advice and not included in the mortality calculation		
Procianoy 2019										72	16	222.2		41	4	31	12	72	16	
Shabeer 2017										68	14	205.9		59	9	68	14	Sarnat grade of deaths not specified		
Shrestha 2020	20	7	350.0															of Apgar < 7, diagggregated data on 64 additional cases were not included. Exclud		
Sun 2012	28	1	35.7	5		16	7			23	0	0.0	4	0	13	0	6	0	19	0
																			Sarnat grade of child who died in the control group was not specified	

Tanigasalam 2016	60	30	500.0	4	0	41	15	54	30	60	16	266.7	1	0	42	17	59	16	Sarnat grade of children who died was not specified apart from "features of severe encephalopathy and refractory seizures", i.e. not mild NE.	
Thayyil 2020	206	49	237.9			167	39	206	49	202	72	356.4			161	41	202	72		
Thomas 2018										103	7	68.0	3		81	19	103	7	Sarnat grade of children who died was not specified. Due to low number of mild NE cases this study is included in Figure 2	
Umran 2016	30	10	333.3	15	2	10	4	14	8										Deaths in stage II-III were not separated	
Valera 2015										27	3	111.1					27	3		
Variante 2017										17	1	58.8			10	7	17	1	Sarnat grade of death not specified	
Yang and Li 2020	30	2	66.7					30	2	62	2	32.3					62	2		
Zhou 2010	94	27	287.2	18		41	35			100	20	200.0	21		41	38			As mortality outcomes were not disaggregated by NE grade and 20% were mild NE cases, this study is not included in Figure 2	
Zhu 2009	82	3	36.6			61	21	82	3	76	2	26.3			47	29	76	2	Sarnat grade of deaths not specified	
Zou 2019	44	6	136.4	7		28	9			45	6	133.3	8	0	29	8			As mortality outcomes were not disaggregated by NE grade and nearly 20% were mild NE cases, this study is not included in Figure 2	
SUM	1487	328	220.6	256	22	563	28	227	27	815	223	169.2	77	0	1029	11	427	28	1600	280

*second paper from same main author had same neonatal mortality data

**Celik 2015 chosen for Grade I data, Celik 2016 chosen for Grade II-III data