MAI	LAYSIAN NATIO	ONAL NEO	NATAL REG	ISTRY (CR	F 2018)			
Centre Name:		New Case Readmiss		MNNR No. (Office use):	/			
Date of Admission:	(dd/mm/yy)	Transfer t	from another SDP or IJN:	Centre:				
Admitted to neonatal ward: Yes -	→(Proceed to complete ALL	sections in this CRF)	No → (Proceed	to complete Section 1	,2 [without No.28], 4[N	lo.47 only] and 5)		
■ Abandoned baby → (if this box	is ticked, item No. 1, No. 4a	, No. 6 to No. 16 are r	not mandatory)					
Instruction: Where check boxes	are provided, ticked ($^{\checkmark}$) or	ne or more boxes. W	here radio buttons (are provided, ticke	ed ($$) one box only.			
SECTION 1 : PATIENT PA	RTICULARS & MAT	TERNAL HISTO	RY					
*1. Name of mother:								
2. Name of baby (Optional):								
*3. RN of baby:								
*4a. Mother's I/C number:	MyKad:			<u> </u>				
	Other ID document No:							
	Specify document Pas	ssport Armed Fo	orce ID	r's License Old I		spital RN		
4b. Baby's MyKid number:	type (if others): Fatl	her's I/C Work Per	mit number Police	e ID Card	gration permit Oth	ner, specify:		
200, 0 mj			<u> </u>					
*5a. Date of birth of baby: (dd/mm/yy)	/	/		: (24 hour format. En birth if the exaxt time				
*6. Ethnic group of Mother:	Malay Indian Chinese Orang As							
*7. Maternal age:								
*8. GPA: (current pregnancy before delivery of this child)	*Gravida:		*Parity:		*Abortion:			
*9. Maternal diabetes (including gestational diabetes):	○ Yes	⊙ No		Unknown				
*10. Maternal hypertension, chronic pregnancy included:	Yes	○ No		Ounknown				
*11. Maternal Eclampsia:	○ Yes	○ No		Unknown				
*12. Maternal Chorioamnionitis:	○ Yes	○ No		Unknown				
*13. Maternal Anaemia: (<11g/dL)	○ Yes	○ No		Unknown				
*14. Maternal abruption placenta:	○ Yes	○ No		Unknown				
*15. Maternal bleeding placenta praevia:	○ Yes	⊚ No		Ounknown				
*16. Cord prolapse:	○ Yes	○ No		Unknown				
SECTION 2 : BIRTH HIST	ORY							
*17. Antenatal Steroid:	○ Yes → ○1 dose	O2 doses	No	O Unknown				
*18. Intrapartum antibiotic:	○ Yes	01	No	O Unknown				
*19. Birth weight:	(gr	ams)						
*20a.Gestation:	(weeks)	*2	0b. Gestational age b	ased on: LMP	_	trasound nknown		
*21. Growth status:	⊚ SGA	0	AGA	○ LGA	-			
*22. Gender:	Male		Female	Ambigue	ous / Indeterminate			
*23. Place of birth:	0 0	Clinic	Enrou Matern ecialist Matern Alterna	sity hospital te / during transport nity home with specia nity home without spe ative Birthing centre (Irban Rural	cialist	ecify		
*24. Multiplicity:	Singleton Twin	Triplet Other	, specify:	Specify birth	order if not a single	eton:		
*25. Final Mode of delivery:	○ Vaginal delivery →	SVD O		Caesarean section		Emergency		
	○ Instrumental	Vacuum 🔳	Forcens :	Others, specify: Unknown				

SECTION 2 : BIRT	гн ніѕт	ORY (continu	ue)									
*26. Apgar score at 1 mi 5 min (0-10)	n and	a) Sco	ore at 1 mi	in:		Unknown	(Plea	e at 5 min se score is intubat	even if th	ie			Unknown
27. Initial resuscitation:		а) Оху	/gen:		① Yes	○ No	d) Endo	tracheal	tube vei	nt: (Yes		○ No
(applicable for inborn of	only)	b) Ear	ly CPAP :		① Yes	○ No	e) Cardi	iac comp	oression:	: (Yes		○ No
			g and mas	k	O Yes	○ No	f) Adre	naline:		(Yes		◯ No
*28. a) Plastic wrap at	birth (for <				① Yes	○ No							
b) If yes : was bab	y wrapped v	without	drying at	birth	① Yes	○ No							
c) Admission tem	• • • •												
(mandatory if adi	mitted to Ne	onatal w	ard)		<u> </u>	(°C)							
SECTION 3 : NEC	NATAL	EVEN	Т										
			● Yes →	a) Cl	PAP done?	Yes No							
*29. Respiratory support	:		€ No			i) Total durati	ion of CP	AP at yo	our centre	e:			Day (s)
If < 12 hours = state 0.5 d	ays	Ì											
If > 12 to 24 hours = state	1 day				igh flow nasal annula (HFNC):	Yes No	ion of U	ENC at w	our cont	ro	_		
If > 24 hours = state to ne days	xt completed	d				i) iotai durati		rivo at y	our centi				Day (s)
				c) C	onventional	(Yes (No							
Complete entry a) to d) for respiratory support given	each type t	וכ			ventilation:	i) Total durati	ion of Co	nventior	nal			_	
						ventilation						<u></u> .	Day (s)
				d) H	FJV/HFOV:	Yes No							
						i) Total durat	ion of HF	JV//HFO	V at you	ır			Day (s)
				a) Ni	ituio Ovidos								
				e) Nitric Oxide: Yes No			ion of Ni	Nitric Oxide at your					
						centre:		TITIC OXIO	ic at you				Day (s)
*30.Total number of days ventilation support at) :			. (autoc	alculate)							
*31. Surfactant:			O Yes .	→ () < 1 hr	<u></u> 1	1-2 hr				<u></u> >	2 hr	
*32. Parenteral nutrition:			Yes			○ N	No						
SECTION 4: PRO	BLEMS/	DIAGI	NOSES	,									
33. Respiratory:	1=		iration syn		=	nonary haemorrhage nonary interstitial emphy	rsema			oneumonia pneumon		Commu	nity acquired
*34. RDS:	Yes		·		0								
*35. Pneumothorax:	O Yes	+ [[Phoumot	horay	developed di	uring: () Spontar			PAP		CMV		HFV
	○ No	i. !.				<u> </u>			PAP) пгv
*36. Supplemental oxygen and BPD:	'				beby still on over		Yes	○ N		2		<u> </u>	O
,3	b) If Yes					gen, CPAP or other form sygen, CPAP or other form						Yes Yes	
*37. CVS :	*37a. PPH		① Ye:		(No		art Failur	-	① Yes	-		No	0 111
*38. PDA:	<u> </u>	···							0 163			110	
00.1 DA.		_	a) ECH b) Pha		e: logical closure	Yes Yes	No No						
	● No		->11	41		If Yes the			Indome	thacin 📗	Ibupro	fen 🔳	Paracetamol
			c) Liga	ition:		(Yes	⊚ No						
*39. NEC (stage 2 and above):	Yes ■	→			eatment:	naion to vous control		Yes		⊚ No			
·	⊚ No				n baby only)	ssion to your centre:		Yes		○ No			
*40. ROP Retinal	(iii) Yes			a) Date	o of first sores	ina			<u> </u>		7 / [
Exam Done		ret etana	of ROP):		e of first screen			<u> </u>	<u> </u>		/		
< 32 weeks OR ≤ 1500g													
- option 'Not Applicable' will be auto blocked				c) 🔘	No ROP St	tage 1 Prethresh	Thres	sh 🔘	Stage 4	⊚ Sta	ge 5	PLU	S disease
≥ 32 weeks AND >1500g			d) Laser Therapy:				◯ Yes ◯ No						
option 'Yes' & 'No' will be auto blocked	e) Cryoth		therapy:			◯ Yes ◯ No							
	f) Vitrect			ectomy/AntiVE	y/AntiVEGF:			◯ Yes ◯ No					
			g) ROP present prior to admission? (for outborn baby only) O Yes										
	○ No -			Appoi	ntment given:			① Ye	s	○ N	0		
	Not App	oliooblo						Date of	appointm	ent·		1, 🗔	,

SECTION 4: PROBLEMS/DIAGNOSES (continue) *41. IVH: Yes If yes, worst grade: Grade 1 Grade 4 Grade 2 Grade 3 < 37 weeks - option 'Not No Applicable' will be auto blocked VP shunt/ reservoir insertion Not applicable (term infant) Ultrasound not done *42a. Central Venous Line Yes No (applies to the catheter in situ for ii. Date of insertion: the longest duration) Date of removal: Duration of central line (autocalculate) : _ *42. CLABSI: Yes No *43. Confirmed sepsis: Yes No ≤ 72 hours of life (Blood culture positive only) II) Type of organism: (can tick more than one) Staphylococcus aureus Acinetobacter ESBL organisms Group B Streptococcus MRSA Klebsiella Fungal E.Coli Pseudomonas Serratia CONS Others, specify: > 72 hours of life II) Type of organism: (can tick more than one) Acinetobacter Staphylococcus aureus ESBL organisms Group B Streptococcus ■ MRSA Klebsiella Fungal E.Coli CONS Pseudomonas Others, specify: Serratia *44. Neonatal meningitis: Yes No CSF Culture positive : No Yes II) If Yes, type of organism: (can tick more than one) Group B Streptococcus Staphylococcus aureus Acinetobacter ESBL organisms E.Coli MRSA Klebsiella Fungal CONS Pseudomonas Others, specify: *45. HIE: (Only for ≥ 35 weeks GA) a) HIE severity None Mild Moderate Severe b) Highest Thompson: c) Cooling therapy: No If Yes; then to choose Cooling blanket or cap Passive cooling ± gel pack Both d) Seizures in HIE cases: Yes No *46. Congenital anomalies: *46b. Types of abnormalities (check all that are present. Applies to all including 'known syndromes', 'not a recognized syndrome' or 'isolated major abnormality') 46a. Major congenital anomalies: Yes No Syndrome CNS Skeletal dysplasia Down Hydrocephalus (known) Respiratory Hydrancephaly Edward ■ CDH Holoprosencephaly

Patau Others (Refer to ICD 10): GIT Others, specify Hydrops (Refer to ICD 10): Renal Neural Tube Spina bifida Others, specify (Refer to ICD10): Anencephaly Defect None of the above Encephalocoele Others (Refer to ICD 10): Not a recognized syndrome Isolated major abnormality ■ CVS → Please see (page 4) Page 3 of 7 Version 18.1 (last updated on 1/7/2017) *Mandatory

SECTION 4: PROBLEMS/DIAGNOSES (continue) 46b. CVS Duct dependent lesion TGA TOF or PA with VSD Pulmonary atresia (PA) with Intact ventricular septum Complex cyanotic heart with PA Critical PS Hypoplastic left heart syndrome Interrupted aortic arch Coarctation of aorta Critical AS TAPVD Severe congenital heart (needs early intervention) Others Other significant lesions ASD VSD AVSD PDA Others ,specify Date of echo diagnosis : Date done: ____/___ auto calculate age (days) Intervention - Nil done Surgery Date done: ____/___ auto calculate age (days) Catheterization __ auto calculate age (days) Name of procedure: **SECTION 5: OUTCOME** (enter the best estimated time of death if the exact time is unknown) *47a. Date of discharge / transfer/ 47b. Time of Death: (24 hour format) death: (dd/mm/yy) (mandatory for death cases) *48. Weight and growth a) Weight: status on discharge: (grams) b) Growth status: SGA AGA (LGA 49. Exclusive breastfeeding at discharge No Yes (Tick yes if > 72 hour before discharge) *50. Total duration of hospital stay (neonatal/ peads care): (in completed days) (auto calculate) *51. Outcome: ○ Alive → Place discharged to: Home Social welfare home Other wards within hospital Still hospitalized as of 1st birthday Transfer to other hospitals a) Name of hospital: b) Reason for Growth/ stepdown care Acute medical/ Social/ Logistic reason transfer: Lack of NICU bed diagnostic services Other, specify: Chronic/ Palliative care Surgery Home Transferred again to another hospital c) Post transfer disposition: (Please fill this section if place transferred is Death Readmitted to your hospital not part of the NNR Network) Still in ward ○ Dead → Labour room/OT Neonatal unit Place of death: In transit Others, specify: (dd/mm/yy)

Signature:__

Date:

MALAYSIAN NATIONAL NEONATAL REGISTRY

Supplementary Form

Instruction:

1) For term babies please fill in according to the most pertinent underlying cause of death.

2) For preterm babies please fill in according to the most immediate cause of death.

<i>,</i> .	•					
4.0 1.11				04:		
1. Centre Name:				Office	1	
					/	
0. N		O DNI:		use:		
2. Name:	3. RN:	Cantra				
				Centre:		

1. Mother's I/C Number: New IC:	Passport:	
mmediate cause of death (Modified Wiggleswor	th): Tick relevant button to reach	h correct classification
	NEONATAL DEATH	Note: LCM = Lethal Congenital Malformation
	(Is there any LCM?)	
LCM present		LCM absent b) (Is gestation <37 weeks?)
a) Lethal congenital malformation/defect, specify: Reural tube defects		⊚ No
Anencephaly Encephalocoele Others,specify (Refer to ICD 10):	c) If preterm baby and LCM absent, was there an Aphyxial condition? IVH Septicaemia PDA in failure Pulmonary	Gestation ≥37 weeks (Did the baby have an asphyxial condition?)
Complex heart disease Acyanotic	hemorrhage NEC Pneumonia PIE / BPD	d) Asphyxial condition absent
◯ CNS◯ Hydrancephaly◯ Holoprosencephaly◯ Others,specify(Refer to ICD 10):	Pneumothorax Extreme prematurity Acute intrapartum event Severe RDS Others	e) If term and infection present Group B streptococcal septicaemia Meningitis Congenital pneumonia
Recognisable syndrome Getward Patau Others,specify (Refer to ICD 10):		○ Congenital Infection○ Others, specify
 Not recognisable syndrome Skeletal dysplasia Respiratory (eg. lung hypoplasia) GIT Hydrops foetalis Renal Others, specify: 		f) Other specific causes of death: Kernicterus/ severe neonatal jaundice Haemorrhagic disease of newborn/ Vitamin K deficiency Intracranial bleed / SAH Pneumothorax Pulmonary hemorrhage IEM MAS Surgical, specify: Others, specify:

Name :	Signature :	Date:	(dd/mm/yy
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