

Web table A Summary of neurological outcomes to 18 months in infants treated with hypothermia or normothermia

	Hypothermia		Normothermia		Effect Estimate	SE	CI Start	CI End
	Events	Total	Events	Total				
Figure 1: effect of therapeutic hypothermia on death or disability								
Death or disability	178	381	223	386	0.81		0.71	0.93
TOBY	74	163	86	162	0.86	0.11	0.68	1.07
NICHHD	45	102	64	106	0.73	0.14	0.56	0.95
CoolCap	59	116	73	118	0.82	0.12	0.65	1.03
Figure 2: the effect of therapeutic hypothermia on survival with normal neurological function								
CoolCap	29	116	20	118	1.48	0.26	0.89	2.45
NICHHD	32	102	22	106	1.51	0.24	0.94	2.42
TOBY	71	163	45	162	1.57	0.15	1.16	2.12
Figure 3: the effect of therapeutic hypothermia on neurological outcomes at 18 months in survivors								
Major neurodevelopmental disability in survivors	76	270	99	250	0.71		0.56	0.91
CoolCap	23	72	31	68	0.70	0.22	0.46	1.07
NICHHD	21	78	26	65	0.67	0.24	0.42	1.08
TOBY	32	120	42	117	0.74	0.20	0.51	1.09
Rate of cerebral palsy in survivors	71	269	96	249	0.69		0.54	0.89
TOBY	33	120	48	117	0.67	0.19	0.47	0.96
NICHHD	15	77	19	64	0.66	0.30	0.36	1.18
CoolCap	23	72	29	68	0.75	0.22	0.48	1.16
Rate of severe neuromotor delay (PDI<70) in survivors	68	257	82	227	0.73		0.56	0.95
TOBY	27	114	37	109	0.70	0.21	0.46	1.06
CoolCap	21	69	23	56	0.74	0.24	0.46	1.19
NICHHD	20	74	22	62	0.76	0.26	0.46	1.26
Rate of severe neurodevelopmental delay (MDI<70) in survivors	68	260	86	233	0.71		0.54	0.92
TOBY	28	115	38	110	0.70	0.21	0.47	1.06
CoolCap	21	70	24	61	0.76	0.24	0.47	1.23

NICHD	19	75	24	62	0.65	0.25	0.40	1.08
Rate of blindness in survivors	20	266	32	241	0.56		0.33	0.96
CoolCap	7	72	11	64	0.57	0.45	0.23	1.37
NICHD	5	75	9	63	0.47	0.53	0.16	1.32
TOBY	8	119	12	114	0.64	0.44	0.27	1.50
Rate of deafness in survivors	12	255	14	227	0.76		0.36	1.61
CoolCap	5	64	3	55	1.43	0.71	0.36	5.72
NICHD	3	77	4	64	0.62	0.74	0.14	2.68
TOBY	4	114	7	108	0.54	0.61	0.16	1.80

Figure 4: effect of therapeutic hypothermia on mortality in all 10 trials identified

Mortality	169	660	217	660	0.78		0.66	0.93
Akisu	0	11	2	10	0.18	1.49	0.01	3.41
CoolCap	36	116	42	118	0.87	0.19	0.61	1.25
Eicher	10	32	14	33	0.74	0.33	0.38	1.41
ICE	25	110	39	111	0.65	0.22	0.42	0.99
Lin	2	32	2	30	0.94	0.97	0.14	6.24
neo.nEURO	21	64	32	65	0.67	0.22	0.43	1.02
NICHD	24	102	38	106	0.66	0.22	0.43	1.01
Robertson	7	21	1	15	5.00	1.01	0.69	36.50
Shankaran	2	9	3	10	0.74	0.79	0.16	3.48
TOBY	42	163	44	162	0.95	0.19	0.66	1.36

Figure 5: effect of therapeutic hypothermia on death or disability stratified by severity of encephalopathy

Death or disability at 18 months	174	367	219	372	0.81		0.71	0.92
Infants with moderate encephalopathy	70	197	99	202	0.73		0.58	0.92
CoolCap	28	62	39	69	0.80	0.18	0.57	1.13
NICHD	22	69	30	66	0.70	0.22	0.45	1.08
TOBY	20	66	30	67	0.68	0.23	0.43	1.06
Infants with severe encephalopathy	104	170	120	170	0.87		0.75	1.01
CoolCap	28	40	32	35	0.77	0.12	0.61	0.96

NICHD	23	32	34	40	0.85	0.13	0.66	1.09
TOBY	53	98	54	95	0.95	0.13	0.74	1.23

Abbreviations: ICE, Infant Cooling Evaluation; MDI, mental developmental index score; NICHD, National Institute of Child Health and Human Development; PDI, psychomotor developmental index score; TOBY, Total Body Hypothermia