Supplementary Table I. Risk group classification of newborn babies.

	High risk	Moderate risk	Mild risk
Gestational age and birth weight	<1000 g, <29 wk SGA and LGA babies	1000-1500 g 29–34 weeks Multiple births	NICU experience >1500 g, >34 week Late preterm
Central nervous system	Grade 3-4 IVH Ventriculomegaly Cystic PVL Hydrocephaly Perinatal asphyxia Convulsion Cerebral infarction Abnormal neurologic examination at discharge Need for advanced resuscitation at birth	Grade 2 IVH Grade 2 HIE Need for basic resuscitation at birth	Grade 1 IVH Grade 1 HIE
Respiratory system	Long-term (>7 days) MV HFV BPD Pneumothorax Severe apnea MAS	MV support (<7 days) non invasive MV	
Cardiovascular system	Congenital heart disease ECMO-iNO use PPHN Shock requiring inotropic agents Severe thrombosis	Presence of a catheter Umbilical and peripheral central catheter	
Infectious conditions	Chorioamnionitis Severe sepsis Meningitis Nosocomial infection HIV (+) mother's baby Intrauterine infections	Culture-proven sepsis	Clinical sepsis
Surgical problems	Diaphragmatic hernia Lung hypoplasia Tracheo-esophageal fistula Duodenal atresia NEC (Requires surgery) PDA (Requires ligation) ROP (Requires laser) Heart disease (requiring surgery)	NEC (Requires medication) PDA (Requires medication)	
Others	Prolonged hypoglycemia Prolonged hypocalcemia Twin-to-twin transfusion Jaundice requiring exchange transfusion Bilirubin encephalopathy Major congenital malformation Metabolic/genetic diseases Baby of mother with substance dependence	Hypoglycemia (> 25 mg/dL, > 3days) Severe jaundice partial blood exchange Inappropriate environmental conditions *	Transient hypoglycemia Hypocalcemia Jaundice requiring phototherapy

NICU: Neonatal Intensive Care Unit, SGA: Small for Gestational Age, LGA: Large for Gestational Age, IVH: Intraventricular hemorrhage HIE: Hypoxic ischemic encephalopathy, PVL: Periventricular leukomalacia MV: Mechanical ventilation, HFV: High frequency ventilation, BPD:Bronchopulmonary dysplasia, MAS: Meconium aspiration syndrome, ECMO: Extracorporeal membrane oxygenation, iNO: Inhaled nitric oxide, PPHN: Persistent pulmonary hypertension of the newborn, HIV: Human immune-deficiency virus, NEC: Necrotizing enterocolitis, PDA: Patent ductus arteriosus, ROP: Retinopathy of prematurity * Low socioeconomic status, young mother, maternal mental-psychological illness, lack of prenatal care, unmarried mother, mother with multiple partner, alcohol-drug addicted mother.

Supplementary Table IIa. Covariance analysis of factors affecting Bayley III scores (Model 1).

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	cognitive scores	2146.666[a]	9	238.518	2.279	0.019
	language scores	1183.189[b]	9	131.465	0.973	0.463
	motor scores	2123.476[c]	9	235.942	2.351	0.015
Intercept	cognitive scores	2624.918	1	2624.918	25.080	0.000
	language scores	2516.036	1	2516.036	18.630	0.000
	motor scores	2723.305	1	2723.305	27.136	0.000
Groups (pre-post pandemic)	cognitive scores	18.472	1	18.472	0.176	0.675
	language scores	21.255	1	21.255	0.157	0.692
	motor scores	170.446	1	170.446	1.698	0.194
Perinatal risk level	cognitive scores	53.395	2	26.697	0.255	0.775
	language scores	27.139	2	13.570	0.100	0.904
	motor scores	415.093	2	207.546	2.068	0.129
Age at assessment	cognitive scores	142.637	1	142.637	1.363	0.244
	language scores	0.036	1	0.036	0.000	0.987
	motor scores	114.461	1	114.461	1.141	0.287
Gestational age	cognitive scores	69.867	1	69.867	0.668	0.415
	language scores	287.837	1	287.837	2.131	0.146
	motor scores	17.333	1	17.333	0.173	0.678
Mean birth weight	cognitive scores	45.292	1	45.292	0.433	0.511
	language scores	9.676	1	9.676	0.072	0.789
	motor scores	167.885	1	167.885	1.673	0.197
Perinatal risk level x group interaction effect	cognitive scores	189.805	2	94.902	0.907	0.405
	language scores	232.981	2	116.491	0.863	0.424
	motor scores	87.560	2	43.780	0.436	0.647
Maternal employment status	cognitive scores	1024.343	1	1024.343	9.787	**0.002**
	language scores	282.587	1	282.587	2.092	0.150
	motor scores	329.750	1	329.750	3.286	0.071
Error	cognitive scores	21351.115	204	104.662		
	language scores	27550.923	204	135.054		
	motor scores	20472.636	204	100.356		
Total	cognitive scores	1923625.000	214			
	language scores	1715650.000	214			
	motor scores	1825438.000	214			
Corrected Total	cognitive scores	23497.780	213			
	language scores	28734.112	213			
	motor scores	22596.112	213			

[a]: R Squared = 0.091 (Adjusted R Squared = 0.051), [b]: R Squared = 0.041 (Adjusted R Squared = -0.001), [c]: R Squared = 0.094 (Adjusted R Squared = 0.054), p<0.05 is significant

Supplementary Table IIb. Distribution of Bayley III results by mother's working status (Model 1).

Dependent Variable	Mother's working status	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Cognitive scores	Employed	97.812[a]	1.453	94.948	100.676
	Unemployed	92.838[a]	0.946	90.973	94.703
Language scores	Employed	90.318[a]	1.650	87.064	93.571
	Unemployed	87.705[a]	1.074	85.587	89.823
Motor scores	Employed	93.611[a]	1.423	90.807	96.416
	Unemployed	90.789[a]	0.926	88.963	92.615

[a]. Covariates appearing in the model are evaluated at the following values: Child age = 19.3014, Gestational age = 32.1402, Birth weight = 1852.6028.

Supplementary Table IIIa. Covariance analysis of factors effecting Bayley III scores (Model 2).

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	cognitive scores	3819.471[a]	9	424.386	4.399	0.000
	language scores	3633.037[b]	9	403.671	3.281	0.001
	motor scores	3003.078[c]	9	333.675	3.474	0.001
Intercept	cognitive scores	2107.442	1	2107.442	21.847	0.000
	language scores	2043.244	1	2043.244	16.606	0.000
	motor scores	2366.502	1	2366.502	24.640	0.000
Groups (pre-post pandemic)	cognitive scores	11.019	1	11.019	0.114	0.736
	language scores	26.307	1	26.307	,214	0.644
	motor scores	162.799	1	162.799	1.695	0.194
Perinatal risk level	cognitive scores	52.203	2	26.102	0.271	0.763
	language scores	21.438	2	10.719	0.087	0.917
	motor scores	443.229	2	221.615	2.307	0.102
Age at assessment	cognitive scores	172.349	1	172.349	1.787	0.183
	language scores	9.780	1	9.780	0.079	0.778
	motor scores	141.010	1	141.010	1.468	0.227
Gestational age	cognitive scores	180.881	1	180.881	1.875	0.172
	language scores	410.125	1	410.125	3.333	0.069
	motor scores	51.231	1	51.231	0.533	0.466
Mean birth weight	cognitive scores	6.822	1	6.822	0.071	0.791
	language scores	33.878	1	33.878	0.275	0.600
	motor scores	111.316	1	111.316	1.159	0.283
Perinatal risk level x group interaction effect	cognitive scores	308.250	2	154.125	1.598	0.205
	language scores	307.188	2	153.594	1.248	0.289
	motor scores	111.740	2	55.870	0.582	0.560
Maternal education level	cognitive scores	2697.148	1	2697.148	27.961	**0.000**
	language scores	2732.435	1	2732.435	22.207	**0.000**
	motor scores	1209.352	1	1209.352	12.592	**0.000**
Error	cognitive scores	19678.309	204	96.462		
	language scores	25101.075	204	123.044		
	motor scores	19593.034	204	96.044		
Total	cognitive scores	1923625.000	214			
	language scores	1715650.000	214			
	motor scores	1825438.000	214			
Corrected Total	cognitive scores	23497.780	213			
	language scores	28734.112	213			
	motor scores	22596.112	213			

[a]: R Squared = 0.163 (Adjusted R Squared = 0.126), [b]: R Squared = 0.126 (Adjusted R Squared = 0.088), [c]: R Squared = 0.133 (Adjusted R Squared = 0.095), p<0.05 is significant

Supplementary Table IIIb. Distribution of Bayley III results by maternal education level (Model 2).

Dependent Variable	Maternal education level	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Cognitive scores	<High school	90.449[a]	1.073	88.333	92.565
	>High school	97.649[a]	1.054	95.571	99.727
Language scores	<High school	84.680[a]	1.212	82.290	87.070
	>High school	91.927[a]	1.190	89.580	94.274
Motor scorees	<High school	89.058[a]	1.071	86.946	91.169
	>High school	93.879[a]	1.052	91.805	95.952

[a]. Covariates appearing in the model are evaluated at the following values: Child age = 19.3014, Gestational age = 32.1402, Birth weight = 1852.6028.

Supplementary Table IVa. Distribution of Bayley III results by maternal education level

Dependent Variable	Maternal education level	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Cognitive scores	<High school	90.912[a]	1.064	88.814	93.010
	>High school	98.094[a]	1.045	96.033	100.155
Language scores	<High school	85.140[a]	1.200	82.775	87.506
	>High school	92.344[a]	1.179	90.020	94.668
Motor scores	<High school	89.526[a]	1.064	87.429	91.624
	>High school	94.353[a]	1.045	92.292	96.414

[a]. Covariates appearing in the model are evaluated at the following values: Child age = 19.3014.

Supplementary Table IVb. Distribution of Bayley III results by perinatal risk.

Dependent Variable	Perinatal risk	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Cognitive scores	Low risk	96.537[a]	1.842	92.904	100.169
	Moderate risk	94.295[a]	1.159	92.010	96.580
	High risk	92.678[a]	1.036	90.635	94.721
Language scores	Low risk	89.640[a]	2.077	85.544	93.736
	Moderate risk	88.972[a]	1.307	86.395	91.548
	High risk	87.614[a]	1.168	85.311	89.918
Motor scores	Low risk	91.693[a]	1.842	88.061	95.325
	Moderate risk	94.028[a]	1.159	91.744	96.313
	High risk	90.098[a]	1.036	88.055	92.140

[a]. Covariates appearing in the model are evaluated at the following values: Child age = 19.3014.

Supplementary Table IVc. Pairwise comparisons of Bayley III results by perinatal risk.

Dependent Variable	Perinatal risk	(J) Perinatal risk	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
						Lower Bound	Upper Bound
Cognitive scores	Low risk	Moderate risk	2.242	2.183	.917	-3.027	7.511
		yüksek	3.858	2.115	.209	-1.246	8.963
	Moderate risk	Low risk	-2.242	2.183	.917	-7.511	3.027
		High risk	1.617	1.556	.901	-2.140	5.373
	High risk	Low risk	-3.858	2.115	.209	-8.963	1.246
		Moderate risk	-1,617	1.556	.901	-5.373	2.140
Language scores	Low risk	Moderate risk	.668	2.462	1.000	-5.273	6.610
		High risk	2.026	2.385	1.000	-3.730	7.781
	Moderate risk	Low risk	-.668	2.462	1.000	-6.610	5.273
		High risk	1.357	1.755	1.000	-2.879	5.593
	High risk	Low risk	-2.026	2.385	1.000	-7.781	3.730
		Moderate risk	-1.357	1.755	1.000	-5.593	2.879
Motor scores	Low risk	Moderate risk	-2.335	2.183	.858	-7.604	2.933
		High risk	1.595	2.114	1.000	-3.508	6.699
	Moderate risk	Low risk	2.335	2.183	.858	-2.933	7.604
		High risk	3.931*	1.556	**.037**	.174	7.687
	High risk	Low risk	-1.595	2.114	1.000	-6.699	3.508
		Moderate risk	-3.931*	1.556	**.037**	-7.687	-.174

Based on estimated marginal means, *. The mean difference is significant at the ,05 level. b. Adjustment for multiple comparisons: Bonferroni