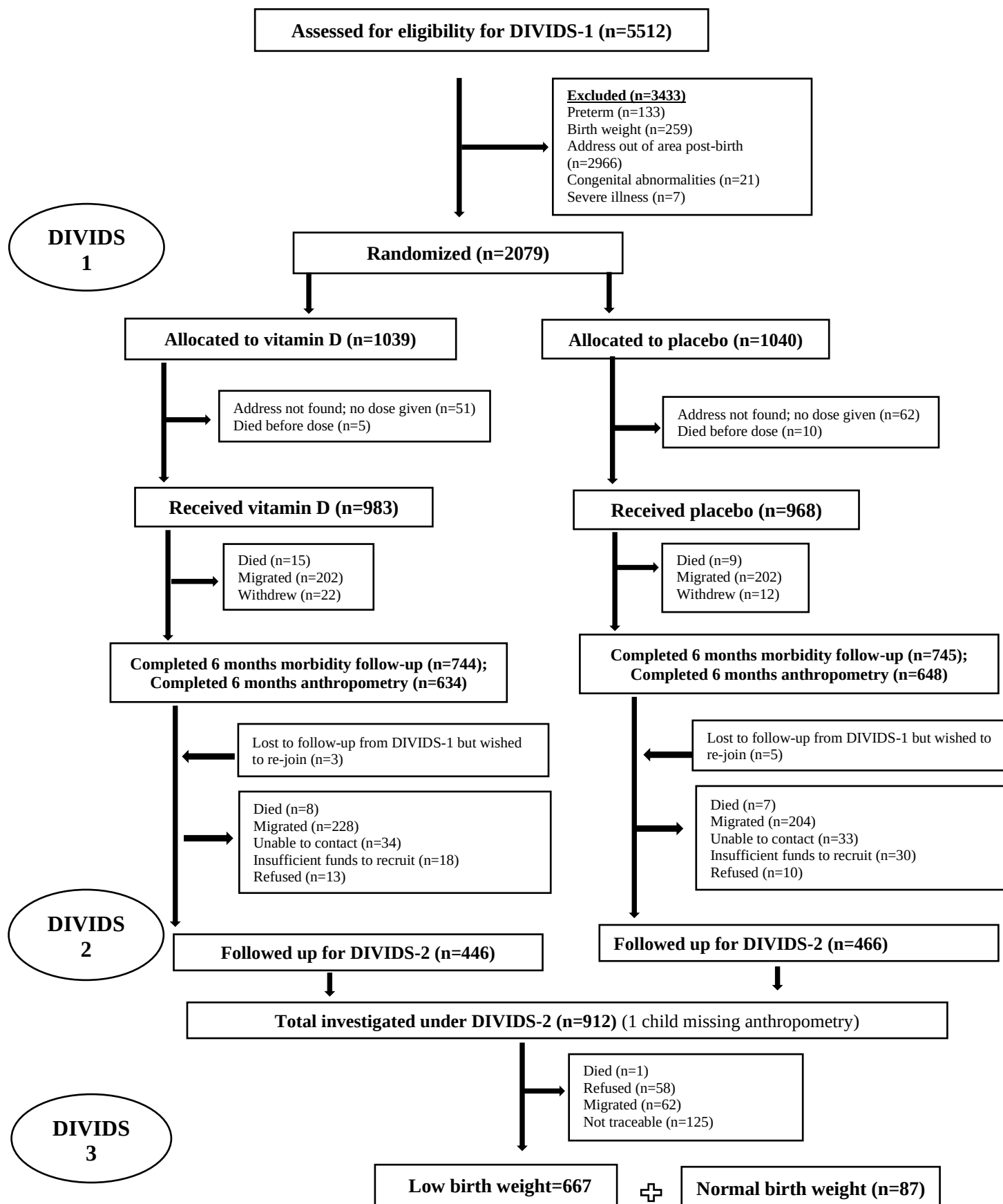


Supplementary Material



Supplementary Figure 1. Delhi Infant Vitamin D Supplementation (DIVIDS) Study Flowchart

Supplementary Table 1. Anthropometric data of LBW and NBW children by group and sex^{a,b}

	MALE (n=349)			FEMALE (n=373)		
	LBW (n=318)	NBW (n=31)	p-value (Adjusted for age)	LBW (n=349)	NBW (n=24)	p-value (Adjusted for age)
Age (years)	11.2 (0.8)	10.5(1.7)	-	11.3 (0.9)	10.9 (1.7)	-
Height (cm)	138.0(8.5)	139.3 (10.6)	<0.001	139.4 (8.7)	136.3 (12.8)	0.55
HAZ score ^d	-0.9 (0.9)	-0.27 (1.1)	<0.001	-1.07(1.0)	-1.16 (0.8)	0.73
Stunted (n, %)	49 (15.4)	5 (16.3)	0.80	67 (19.2)	5 (20.8)	0.91
BMIZ score	-1.07 (1.5)	-0.43(1.9)	0.02	-1.0 (1.3)	-0.57(1.21)	0.06
Grade 3 & 2 thinness (n, %)	54 (17)	4 (12.9)	0.23	77 (22)	4 (16.6)	0.24
Grade 1 thinness (n, %)	112 (35.2)	9 (29)		93 (26.6)	3 (12.5)	
Normal weight (n, %)	132 (41.5)	11 (35.4)		158 (45.2)	15 (62.5)	
Overweight/obesity (n, %)	20 (6.3)	7 (22.7)		21 (6.2)	2 (8.4)	
Waist circumference (cm) ^c	57.5 (8.2)	60.7 (12.3)	0.004	57.3 (8.4)	58.6 (8.9)	0.10
Hip circumference (cm) ^c	67.8 (7.6)	71 (11.2)	<0.001	70.8 (9.1)	70 (9.8)	0.23
MUAC (mm)	19.1 (2.9)	20 (4.1)	0.012	19.4 (3)	19.7 (2.9)	0.18
Triceps skinfold (mm)	9.5 (5.4)	10.8 (7.7)	0.13	11.1 (5.2)	11.2 (5.0)	0.54
Subscapular skinfold (mm) ^c	9.2 (6.1)	11.7(9.9)	0.02	11.1 (6.3)	11.2 (6.2)	0.51
Long jump (m) ^{c,d}	1.40 (0.2)	1.30 (0.2)	0.19	1.20 (0.2)	1.17 (0.2)	0.26
Hand grip strength (kg) ^c	13 (3.1)	13.2 (4)	0.01	12.0 (3)	11.8 (3.8)	0.46
Body composition using Deuterium dilution test ^c						
Fat mass index	4.2 (3.4, 5.6)	3.2 (3, 6.4)	0.97	4.9 (4, 6.6)	4.6(4, 6)	0.57
Fat free mass index	10.6 (9.8, 11.5)	11.4 (10.4, 12.7)	<0.01	10.2 (9.3,11.1)	10.7 (9.8, 11.8)	0.01
Systolic BP (mm/Hg)	105.5 (9.4)	102.4 (11.7)	0.20	103.5 (10.1)	103.9 (10.7)	0.57
Diastolic BP (mm/Hg)	64.6 (6.8)	63.8 (7.8)	0.54	63.4 (7.1)	67.5 (8.7)	0.007
Pulse (bpm)	85.8 (13.2)	85.82(12.2)	0.79	89.4 (14.3)	89 (8.7)	0.94

0 LBW: low birth weight; NBW: normal birth weight; HAZ: height for age z score; BMIZ: body mass index z score; MUAC: mid upper arm
1 circumference; BP: blood pressure; ^amean (SD) or median (25th, 75th percentiles); ^bp-value calculated by linear regression for continuous outcomes
2 and ordinal regression for BMI for age group, chi square for frequency (%); ^cone missing waist circumference; three missing hip circumferences;
3 one missing subscapular skinfold; six missing long jump; one missing hand grip strength; thirty-one missing body composition; ^dp-value adjusted
4 for age and height

Supplementary Table 2. Biochemical data of LBW and NBW children by group^a

Parameters	LBW (n=659)	NBW (n=52)	p-value^b
Cholesterol total (mmol/l)	8.4 (1.5)	8.2 (1.6)	0.24
Triglyceride (mmol/l) ^c	3.9 (3.1, 5.3)	3.8 (3.2, 5.2)	0.32
HDL cholesterol (mmol/l)	2.7 (0.6)	2.6 (0.6)	0.01
LDL cholesterol (mmol/l)	4.5 (1.2)	4.8 (1.4)	0.20
VLDL cholesterol (mmol/l)	1.1 (0.4)	1.0 (0.4)	0.05
HbA1c (%)	5.4 (0.4)	5.4 (0.2)	0.89
Glucose (fasting) (mmol/l)	4.8 (0.4)	4.7 (0.4)	0.17
CRP<2 (mg/l) ^d	578 (88%)	46 (87%)	0.77
CRP >2 & <5 (mg/l) ^d	49 (7%)	3 (6%)	
CRP>5 (mg/l) ^d	32 (5%)	4 (7%)	
Insulin (fasting) (pmol/l)	49.1 (41.4)	52.44 (41.5)	0.19
Adiponectin (µg/ml) ^{c,e}	12.3 (6.7, 19.1)	10.1 (6.3, 14.6)	0.001
Leptin (ng/ml) ^{c,e}	3.2 (1.3, 7.9)	4.6 (1.7, 14.2)	0.002
Visfatin (ng/ml) ^{c,e}	0.74 (0.3, 1.3)	0.8 (0.5, 1.4)	0.16

LBW: low birth weight; NBW: normal birth weight; CRP: c-reactive protein; HDL: high density lipoprotein; LDL: low density lipoprotein; VLDL: very low density lipoprotein;^amean (SD) until specified; ^bp-value calculated by linear regression for continuous outcomes and ordinal regression for categorical outcomes, adjusted for age and sex; ^cmedian (25th, 75th percentile); ^dn (%); ^ep-value calculated using log transformed values