

Supplementary table 1. Details of questionnaires used in the analysis.

	Questionnaire 1	Questionnaire 2
Timing	During second trimester of pregnancy	twelve months after mother's deliveries
Variables	<ul style="list-style-type: none">-Dietary intake from first trimester to second trimester of pregnancy-Annual household income	<ul style="list-style-type: none">-Dietary intake past 12 months-Living environments-Age-Height-Weight-Educational qualification-Cigarette smoking-Alcohol consumption

Supplementary table 2. Energy adjusted intake of food categories and nutrients for each living environment 12 months after the deliveries[†]

Variables	Total (n=8,551)		Living environments							
			Same home before the earthquake (n=3,515)		Rental housing (n=2,368)		Reconstructed home (n=2,285)		Acquaintance's home (n=383)	
	Median	IQR	Median	IQR	Median	IQR	Median	IQR	Median	IQR
Food categories (g)										
Cereals	451	375–528	455	381–533	451	377–526	446	369–523	458	363–523
Pulses	55.6	36.0–85.5	55.4	35.8–85.4	55.1	36.0–83.8	56.8	36.3–86.4	57.1	36.2–88.2
Nuts and seeds	0.51	0.01–1.08	0.49	-0.04–1.11	0.5	0.04–1.01	0.53	0.03–1.12	0.57	0.07–1.19
Vegetables	161	119–215	162	119–220	156	120–208	162	119–215	168	123–214
Green & yellow	62.6	43.2–89.0	62.1	42.2–90.8	61.9	43.2–86.6	63.5	44.3–89.0	64.2	44.6–90.6
non-Green & non-yellow	93.9	68.3–126	95.8	69.4–129	92.3	68.3–121	92.6	66.8–126	94.1	66.8–130
Fruits	108	62.5–173	112	62.7–178	105	61.5–166	108	63.0–170	106	62.3–174
Mushroom	10.5	6.21–16.2	10.5	6.06–16.2	10.4	6.28–16.1	10.7	6.50–16.4	9.39	5.41–15.2
Fish and shellfish	46.0	30.4–64.8	46.9	31.4–65.9	43.9	28.6–61.4	47.1	30.9–65.9	45.8	30.7–67.7
Meat	82.7	61.9–107	81.0	59.9–106	84.6	63.8–109	84.3	63.4–107	81.6	61.2–113
Eggs	28.1	17.6–39.9	27.5	17.1–39.5	28.4	17.8–40.0	28.6	17.8–40.1	29.7	18.5–41.0
Milk and dairy products	206	108–305	198	103–299	210	118–307	214	111–314	211	103–305
Confectioneries	21.0	12–31.9	20.6	11.6–31.3	21.5	12.2–32.5	21.3	12.3–32.7	21.6	12.8–32.5
Alcoholic beverages	5.31	-2.78–14.2	4.70	-3.61–14.0	5.94	-1.39–14.4	5.49	-2.67–14.4	5.91	-4.37–14.4
Non-alcoholic beverages	292	162–475	314	175–500	264	151–438	292	160–471	303	170–506
Nutrients										
Protein (g)	66.8	61.7–72.4	66.7	61.5–72.3	66.5	61.5–71.9	67.0	61.8–72.9	67.4	62.1–73.6
Fat (g)	67.7	60.1–75.7	67.0	59.4–75	68.0	60.4–76	68.3	61.1–76.3	68.5	59.9–76.8
Carbohydrate (g)	229	207–249	230	209–251	229	206–249	227	205–247	227	203–250
Sodium (mg)	3,450	2,930–4,020	3,500	2,970–4,100	3,380	2,860–3,890	3,450	2,930–4,000	3,560	3,080–4,280
Potassium (mg)	2,350	2,080–2,670	2,370	2,090–2,680	2,320	2,050–2,620	2,360	2,090–2,680	2,350	2,140–2,710
Calcium (mg)	547	423–673	542	419–668	545	427–670	557	426–683	547	421–672
Magnesium (mg)	240	216–266	241	218–270	236	214–260	241	217–267	241	219–268
Phosphorus (mg)	1,050	953–1,150	1,050	952–1,150	1,040	949–1,150	1,060	956–1,160	1,050	956–1,150
Iron (mg)	7.23	6.42–8.25	7.28	6.44–8.34	7.14	6.36–8.04	7.20	6.44–8.25	7.39	6.59–8.53
Zinc (mg)	8.05	7.54–8.56	8.04	7.54–8.57	8.04	7.55–8.52	8.05	7.52–8.58	8.1	7.61–8.59
Copper (mg)	1.08	0.98–1.20	1.09	0.98–1.22	1.07	0.97–1.18	1.08	0.98–1.20	1.1	0.99–1.23
Manganese (mg)	2.42	2.10–2.81	2.48	2.14–2.88	2.37	2.06–2.70	2.39	2.07–2.78	2.43	2.1–2.85
Retinol equivalents (µg RE)	556	427–750	556	420–757	559	432–750	555	431–743	547	428–753
Vitamin D (µg)	6.33	4.63–8.56	6.43	4.70–8.70	6.08	4.50–8.17	6.40	4.71–8.77	6.26	4.65–8.61
Vitamin K (µg)	233	175–316	234	173–318	232	176–312	234	176–317	229	179–316
Vitamin B ₁ (mg)	0.91	0.82–1.00	0.91	0.82–1.00	0.9	0.82–1.00	0.91	0.83–1.00	0.91	0.82–0.99
Vitamin B-2 (mg)	1.23	1.04–1.43	1.23	1.04–1.44	1.23	1.04–1.43	1.24	1.05–1.43	1.26	1.05–1.45
Vitamin B-6 (mg)	1.20	1.08–1.34	1.21	1.08–1.35	1.19	1.07–1.32	1.20	1.09–1.34	1.22	1.10–1.36
Vitamin B-12 (µg)	5.24	3.96–6.71	5.29	4.02–6.76	5.11	3.82–6.52	5.29	4.02–6.80	5.35	3.99–6.87
Folate (µg)	276	232–330	280	233–338	271	228–321	275	232–328	277	239–334

IQR: Interquartile range, RE: Retinol equivalents

[†]Intake of food categories and nutrients was adjusted by energy intake using the residual method.

Supplementary table 2. Energy adjusted intake of food categories and nutrients for each living environment 12 months after the deliveries[†] (cont.)

Variables	Total (n=8,551)		Living environments							
			Same home before		The earthquake (n=3,515)		Rental housing (n=2,368)		Reconstructed home (n=2,285)	
	Median	IQR	Median	IQR	Median	IQR	Median	IQR	Median	IQR
Pantothenic acid (mg)	6.53	5.90–7.22	6.51	5.89–7.20	6.53	5.91–7.20	6.55	5.90–7.26	6.59	6.01–7.26
Vitamin C (mg)	78.5	60.0–102	80.3	60.6–106	75.7	58.4–97.1	78.6	61.1–102	78.1	60.7–104
Cholesterol (mg)	278	225–335	275	222–334	280	227–336	280	226–334	293	238–343
Dietary fibre (g)	11.3	9.40–13.4	11.4	9.41–13.7	11.1	9.25–13.0	11.3	9.50–13.5	11.2	9.59–13.3
α -carotene (μ g)	542	335–810	533	331–798	549	342–823	546	339–811	535	309–796
β -carotene (μ g)	2,750	1,940–3,760	2,740	1,930–3,800	2,740	1,910–3,710	2,770	1,960–3,770	2,700	1,900–3,620
Lycopene (μ g)	1,000	420–1,610	980	361–1,620	1,010	471–1,560	1,010	433–1,650	1,070	445–1,710
β -Cryptoxanthin (μ g)	382	184–689	398	187–718	366	186–669	374	181–679	383	186–675

IQR: Interquartile range, RE: Retinol equivalents

[†]Intake of food categories and nutrients was adjusted by energy intake using the residual method.**Supplementary table 3.** Association of living environment with the intake of food categories and nutrients (not energy adjusted) after 12 months from mother's deliveries[†]

Variables	Same home before the earthquake (n=3,515)	Rental housing (n=2,368)		Reconstructed home (n=2,285)		Acquaintance's home (n=383)	
		β [‡]	95% CI	β	95% CI	β	95% CI
		Food categories (g)					
Cereals	Reference	-14.7 [‡]	-23.0, -6.4	-11.9 [‡]	-20.2, -3.6	-10.0	-26.6, 6.6
Pulses	Reference	-5.1 [‡]	-9.8, -0.5	-2.8	-7.4, 1.9	6.5	-2.8, 15.8
Nuts and seeds	Reference	-0.10	-0.31, 0.11	0.12	-0.09, 0.33	0.05	-0.36, 0.47
Vegetables	Reference	-23.9 [‡]	-31.5, -16.2	-11.6 [‡]	-19.3, -4.0	-10.4	-25.7, 4.8
Green & yellow	Reference	-10.2 [‡]	-14.3, -6.1	-3.7	-7.8, 0.5	-3.6	-11.9, 4.6
non-Green & non-yellow	Reference	-13.7 [‡]	-18.2, -9.1	-8.0 [‡]	-12.5, -3.4	-6.8	-15.9, 2.3
Fruits	Reference	-21.7 [‡]	-30.2, -13.2	-15.8 [‡]	-24.3, -7.3	-15.4	-32.3, 1.5
Mushroom	Reference	-0.52	-1.15, 0.11	-0.01	-0.64, 0.63	-1.33 [‡]	-2.59, -0.06
Fish and shellfish	Reference	-5.6 [‡]	-7.9, -3.4	-1.4	-3.7, 0.9	1.9	-2.6, 6.4
Meat	Reference	-4.7 [‡]	-7.9, -1.4	-0.5	-3.7, 2.8	0.6	-5.9, 7.1
Eggs	Reference	-1.64	-3.58, 0.30	-0.32	-2.26, 1.63	1.36	-2.53, 5.24
Milk and dairy products	Reference	-14.0	-32.0, 3.9	-4.4	-22.4, 13.6	-6.6	-42.4, 29.3
Confectioneries	Reference	-0.33	-1.87, 1.20	0.45	-1.09, 1.99	1.26	-1.82, 4.33
Alcoholic beverages	Reference	0.3	-6.5, 7.1	8.6 [‡]	1.8, 15.4	-8.9	-22.5, 4.7
Non-alcoholic beverages	Reference	-43.9 [‡]	-64.8, -23.1	-16.2	-37.2, 4.7	1.6	-40.1, 43.2
Energy (kcal)	Reference	-91.2 [‡]	-126, -56.3	-35.2 [‡]	-70.3, -0.2	-25.8	-95.6, 44.1
Nutrients							
Protein (g)	Reference	-4.2 [‡]	-5.7, -2.6	-1.3	-2.8, 0.3	0.6	-2.5, 3.7

RE: retinol equivalents

[†]Multiple linear regression model was adjusted for the mother's age (continuous), body mass index (continuous), educational qualification (high school graduate or less; college graduate; university graduate or above), annual household income (<4,000,000; 4,000,000–5,999,999; \geq 6,000,000 Japanese yen/year), cigarette smoking (never; former; current), alcohol consumption (never; former; current), study year of the questionnaire answered after 12 months from delivery (2015; 2016; 2017; 2018).[‡]Statistically significant associations.

Supplementary table 3. Association of living environment with the intake of food categories and nutrients (not energy adjusted) after 12 months from mother's deliveries[†]

Variables	Same home before the earthquake (n=3,515)	Rental housing (n=2,368)		Reconstructed home (n=2,285)		Acquaintance's home (n=383)	
	Reference	β [‡]	95% CI	β	95% CI	β	95% CI
Fat (g)	Reference	-3.8 [‡]	-5.6, -2.0	-0.8	-2.6, 1.0	0.0	-3.6, 3.6
Carbohydrate (g)	Reference	-10.3 [‡]	-14.4, -6.2	-6.5 [‡]	-10.6, -2.4	-6.2	-14.4, 2.0
Sodium (mg)	Reference	-357 [‡]	-445, -269	-140 [‡]	-228, -51	24	-152, 200
Potassium (mg)	Reference	-213 [‡]	-276, -150	-87 [‡]	-150, -24	-43	-169, 82
Calcium (mg)	Reference	-40.2 [‡]	-64.6, -15.9	-11.8	-36.2, 12.6	-5.2	-53.8, 43.4
Magnesium (mg)	Reference	-19.1 [‡]	-24.8, -13.4	-7.1 [‡]	-12.8, -1.4	-1.0	-12.4, 10.3
Phosphorus (mg)	Reference	-67.4 [‡]	-95.0, -39.9	-20.0	-47.6, 7.6	-4.5	-59.6, 50.5
Iron (mg)	Reference	-0.563 [‡]	-0.735, -0.391	-0.234 [‡]	-0.406, -0.062	0.080	-0.263, 0.423
Zinc (mg)	Reference	-0.478 [‡]	-0.651, -0.304	-0.192 [‡]	-0.366, -0.018	0.036	-0.310, 0.382
Copper (mg)	Reference	-0.071 [‡]	-0.094, -0.047	-0.033 [‡]	-0.056, -0.010	0.004	-0.043, 0.050
Manganese (mg)	Reference	-0.212 [‡]	-0.270, -0.153	-0.132 [‡]	-0.191, -0.073	-0.039	-0.156, 0.079
Retinol equivalents ($\mu\text{g RE}$)	Reference	-41.1 [‡]	-68.4, -13.9	-34.8 [‡]	-62.0, -7.5	3.3	-51.0, 57.7
Vitamin D (μg)	Reference	-0.64 [‡]	-0.92, -0.36	-0.17	-0.45, 0.11	0.27	-0.28, 0.82
Vitamin K (μg)	Reference	-19.5 [‡]	-30.4, -8.5	-8.3	-19.3, 2.7	6.2	-15.7, 28.1
Vitamin B-1 (mg)	Reference	-0.061 [‡]	-0.082, -0.039	-0.023 [‡]	-0.044, -0.001	-0.022	-0.065, 0.021
Vitamin B-2 (mg)	Reference	-0.086 [‡]	-0.127, -0.045	-0.029	-0.070, 0.012	0.011	-0.070, 0.093
Vitamin B-6 (mg)	Reference	-0.094 [‡]	-0.122, -0.066	-0.038 [‡]	-0.066, -0.010	-0.007	-0.063, 0.049
Vitamin B-12 (μg)	Reference	-0.529 [‡]	-0.738, -0.319	-0.145	-0.355, 0.065	0.158	-0.260, 0.577
Folate (μg)	Reference	-28.5 [‡]	-36.5, -20.4	-15.7 [‡]	-23.8, -7.6	-5.7	-21.8, 10.4
Pantothenic acid (mg)	Reference	-0.388 [‡]	-0.559, -0.217	-0.156	-0.327, 0.015	0.004	-0.337, 0.345
Vitamin C (mg)	Reference	-12.3 [‡]	-15.5, -9.2	-7.3 [‡]	-10.4, -4.1	-6.2	-12.5, 0.05
Cholesterol (mg)	Reference	-17.2 [‡]	-27.9, -6.6	-4.8	-15.5, 5.8	8.0	-13.3, 29.3
Dietary fibre (g)	Reference	-1.06 [‡]	-1.38, -0.74	-0.52 [‡]	-0.84, -0.19	-0.21	-0.85, 0.43
α -carotene (μg)	Reference	-41.2 [‡]	-77.8, -4.6	-17.5	-54.2, 19.2	-49.6	-122.7, 23.5
β -carotene (μg)	Reference	-301 [‡]	-443, -158	-161 [‡]	-303, -18	-261	-545, 23
Lycopene (μg)	Reference	-380 [‡]	-656, -103	-38	-315,	50	-502, 602
β -Cryptoxanthin (μg)	Reference	-92.6 [‡]	-140, -45.3	-79.4 [‡]	-127, -31.9	-99.1 [‡]	-194, -4.5

RE: retinol equivalents

[†]Multiple linear regression model was adjusted for the mother's age (continuous), body mass index (continuous), educational qualification (high school graduate or less; college graduate; university graduate or above), annual household income (< 4,000,000; 4,000,000-5,999,999; \geq 6,000,000 Japanese yen/year), cigarette smoking (never; former; current), alcohol consumption (never; former; current), study year of the questionnaire answered after 12 months from delivery (2015; 2016; 2017; 2018).

[‡]Statistically significant associations.

Supplementary table 4. Association of living environment with the intake of food categories and nutrients (not energy adjusted) during pregnancy[†]

Variables	Same home before the earthquake (n=3,454)	Rental housing (n=2,331)		Reconstructed home (n=2,253)		Acquaintance's home (n=375)	
		β [‡]	95%CI	β	95%CI	β	95%CI
Food categories (g)	Reference						
Cereals	Reference	-12.7 [‡]	-19.7, -5.7	0.8	-6.2, 7.9	1.5	-12.6, 15.6
Pulses	Reference	-3.3	-7.0, 0.4	-1.6	-5.3, 2.1	0.8	-6.5, 8.2
Nuts and seeds	Reference	0.03	-0.07, 0.13	0.08	-0.02, 0.18	0.20	-0.01, 0.40
Vegetables	Reference	-18.0 [‡]	-23.6, -12.4	-9.2 [‡]	-14.8, -3.6	-5.8	-17.0, 5.3
Green & yellow	Reference	-7.2 [‡]	-10.2, -4.2	-3.6 [‡]	-6.6, -0.6	-0.5	-6.5, 5.5
non-Green & non-yellow	Reference	-10.8 [‡]	-14.1, -7.4	-5.6 [‡]	-8.9, -2.3	-5.3	-12.0, 1.3
Fruits	Reference	-12.3 [‡]	-19.6, -5.1	-8.2 [‡]	-15.5, -1.0	-3.5	-18.0, 11.0
Mushroom	Reference	-0.46	-0.99, 0.08	0.09	-0.45, 0.63	-0.67	-1.75, 0.41
Fish and shellfish	Reference	-3.6 [‡]	-5.3, -2.0	-0.2	-1.9, 1.4	-0.9	-4.2, 2.4
Meat	Reference	-1.5	-4.2, 1.2	3.2 [‡]	0.5, 5.9	-0.9	-6.3, 4.5
Eggs	Reference	0.45	-0.96, 1.86	1.12	-0.29, 2.53	0.24	-2.58, 3.07
Milk and dairy products	Reference	0.3	-14.7, 15.4	2.4	-12.7, 17.5	-9.9	-40.1, 20.2
Confectioneries	Reference	0.23	-0.98, 1.45	-0.33	-1.55, 0.89	2.25	-0.19, 4.68
Alcoholic beverages	Reference	6.5	-5.0, 18.0	-1.7	-13.2, 9.8	0.3	-22.6, 23.3
Non-alcoholic beverages	Reference	-25.4 [‡]	-40.5, -10.3	-6.3	-21.4, 8.8	5.9	-24.3, 36.1
Energy (kcal)	Reference	-43.8 [‡]	-72.7, -14.9	-1.0	-29.9, 27.9	-0.6	-58.5, 57.2
Nutrients							
Protein (g)	Reference	-2.0 [‡]	-3.3, -0.8	0.3	-0.9, 1.6	-0.4	-2.8, 2.1
Fat (g)	Reference	-1.5 [‡]	-2.9, -0.1	0.6	-0.8, 2.0	-0.1	-2.9, 2.7
Carbohydrate (g)	Reference	-7.3 [‡]	-10.6, -3.9	-1.9	-5.3, 1.4	-0.2	-6.9, 6.5
Sodium (mg)	Reference	-251 [‡]	-323, -179	-63	-135, 9	6	-139, 150
Potassium (mg)	Reference	-122 [‡]	-172, -72	-40	-91, 10	-29	-130, 72
Calcium (mg)	Reference	-12.7	-32.9, 7.4	-2.8	-23.0, 17.4	-11.0	-51.3, 29.4
Magnesium (mg)	Reference	-11.0 [‡]	-15.6, -6.4	-3.4	-8.0, 1.2	-0.6	-9.8, 8.6
Phosphorus (mg)	Reference	-30.8 [‡]	-53.0, -8.7	1.6	-20.5, 23.8	-13.8	-58.2, 30.5
Iron (mg)	Reference	-0.342 [‡]	-0.479, -0.205	-0.087	-0.224, 0.051	0.051	-0.224, 0.326
Zinc (mg)	Reference	-0.224 [‡]	-0.363, -0.085	0.025	-0.114, 0.164	-0.035	-0.314, 0.243
Copper (mg)	Reference	-0.046 [‡]	-0.065, -0.028	-0.013	-0.031, 0.006	0.008	-0.029, 0.044
Manganese (mg)	Reference	-0.153 [‡]	-0.203, -0.104	-0.052 [‡]	-0.101, -0.002	0.048	-0.050, 0.147
Retinol equivalents (μg RE)	Reference	-28.5 [‡]	-52.4, -4.6	1.6	-22.3, 25.5	-31.2	-79.0, 16.6
Vitamin D (μg)	Reference	-0.38 [‡]	-0.59, -0.16	0.04	-0.17, 0.26	-0.02	-0.45, 0.41
Vitamin K (μg)	Reference	-15.3 [‡]	-23.1, -7.5	-4.8	-12.6, 3.0	1.9	-13.7, 17.5
Vitamin B-1 (mg)	Reference	-0.033 [‡]	-0.052, -0.015	-0.002	-0.021, 0.016	-0.012	-0.049, 0.024
Vitamin B-2 (mg)	Reference	-0.036 [‡]	-0.069, -0.003	0.003	-0.030, 0.036	-0.011	-0.077, 0.055
Vitamin B-6 (mg)	Reference	-0.055 [‡]	-0.078, -0.032	-0.011	-0.034, 0.012	-0.013	-0.058, 0.033
Vitamin B-12 (μg)	Reference	-0.291 [‡]	-0.450, -0.132	-0.002	-0.161, 0.158	-0.146	-0.465, 0.173

RE: retinol equivalents

[†]Multiple linear regression model was adjusted for the mother's age (continuous), body mass index (continuous), educational qualification (high school graduate or less; college graduate; university graduate or above), annual household income (< 4,000,000; 4,000,000-5,999,999; ≥ 6,000,000 Japanese yen/year), cigarette smoking (never;former; current), alcohol consumption (never;former; current), study year of the questionnaire answered after 12 months from delivery (2015; 2016; 2017; 2018).

[‡]Statistically significant associations—

Supplementary table 5. Association of living environment with energy adjusted intake of food categories and nutrients during pregnancy[†] (cont.)

Variables	Same home before the earthquake (n=3,454)	Rental housing (n=2,331)		Reconstructed home (n=2,253)		Acquaintance's home (n=375)	
		β^{\ddagger}	95%CI	β	95%CI	β	95%CI
Nutrients							
Protein (g)	Reference	-0.4	-0.9, 0.2	0.4	-0.1, 0.9	-0.3	-1.4, 0.7
Fat (g)	Reference	0.3	-0.3, 1.0	0.7 [‡]	0.01, 1.3	-0.1	-1.4, 1.3
Carbohydrate (g)	Reference	-3.0 [‡]	-4.7, -1.2	-1.8 [‡]	-3.6, -0.1	-0.2	-3.7, 3.4
Sodium (mg)	Reference	-168 [‡]	-215, -122	-61 [‡]	-108, -15	7	-86, 100
Potassium (mg)	Reference	-58 [‡]	-85, -30	-39 [‡]	-66, -12	-28	-82, 27
Calcium (mg)	Reference	7.1	-8.2, 22.3	-2.4	-17.6, 12.9	-10.7	-41.2, 19.9
Magnesium (mg)	Reference	-4.9 [‡]	-7.2, -2.7	-3.2 [‡]	-5.5, -1.0	-0.5	-5.0, 4.0
Phosphorus (mg)	Reference	-1.8	-12.9, 9.2	2.3	-8.7, 13.4	-13.4	-35.5, 8.7
Iron (mg)	Reference	-0.177 [‡]	-0.260, -0.094	-0.083	-0.166, 0.000	0.054	-0.113, 0.220
Zinc (mg)	Reference	-0.032	-0.088, 0.023	0.030	-0.026, 0.085	-0.033	-0.144, 0.079
Copper (mg)	Reference	-0.024 [‡]	-0.034, -0.014	-0.012 [‡]	-0.022, -0.002	0.008	-0.013, 0.029
Manganese (mg)	Reference	-0.109 [‡]	-0.148, -0.070	-0.051 [‡]	-0.090, -0.011	0.049	-0.029, 0.128
Retinol equivalents ($\mu\text{g RE}$)	Reference	-10.6	-31.4, 10.1	2.1	-18.7, 22.8	-30.9	-72.5, 10.7
Vitamin D (μg)	Reference	-0.21 [‡]	-0.40, -0.03	0.05	-0.14, 0.23	-0.02	-0.39, 0.35
Vitamin K (μg)	Reference	-9.4 [‡]	-16.1, -2.6	-4.6	-11.4, 2.1	2.0	-11.5, 15.5
Vitamin B-1 (mg)	Reference	-0.009 [‡]	-0.018, -0.0003	-0.002	-0.011, 0.007	-0.012	-0.030, 0.006
Vitamin B-2 (mg)	Reference	0.002	-0.019, 0.023	0.004	-0.017, 0.025	-0.010	-0.052, 0.032
Vitamin B-6 (mg)	Reference	-0.025 [‡]	-0.036, -0.014	-0.010	-0.021, 0.001	-0.012	-0.035, 0.010
Vitamin B-12 (μg)	Reference	-0.136 [‡]	-0.258, -0.013	0.002	-0.120, 0.124	-0.144	-0.389, 0.101
Folate (μg)	Reference	-12.9 [‡]	-17.4, -8.4	-8.0 [‡]	-12.5, -3.5	-2.0	-11.0, 6.9
Pantothenic acid (mg)	Reference	-0.014	-0.082, 0.055	0.018	-0.051, 0.087	-0.041	-0.179, 0.097
Vitamin C (mg)	Reference	-6.8 [‡]	-9.0, -4.7	-4.8 [‡]	-7.0, -2.7	-2.1	-6.4, 2.2
Cholesterol (mg)	Reference	5.9	-0.2, 11.9	7.0 [‡]	0.9, 13.0	-0.7	-12.8, 11.3
Dietary fibre (g)	Reference	-0.51 [‡]	-0.70, -0.33	-0.39 [‡]	-0.57, -0.21	-0.04	-0.41, 0.33
α -carotene (μg)	Reference	-11.9	-36.8, 13.0	-1.8	-26.7, 23.1	-5.7	-55.6, 44.1
β -carotene (μg)	Reference	-134 [‡]	-225, -43	-82	-173, 10	-28	-210, 155
Lycopene (μg)	Reference	-237 [‡]	-421, -52	-129	-313, 55	-4	-373, 365
β -Cryptoxanthin (μg)	Reference	-61.1 [‡]	-107, -14.8	-71.3 [‡]	-118, -24.9	-65.0	-158, 27.8

RE: retinol equivalents

[†]Multiple linear regression model was adjusted for the mother's age (continuous), body mass index (continuous), educational qualification (high school graduate or less; college graduate; university graduate or above), annual household income (<4,000,000; 4,000,000-5,999,999; \geq 6,000,000 Japanese yen/year), cigarette smoking (never; former; current), alcohol consumption (never; former; current), study year of the questionnaire answered after 12 months from delivery (2015; 2016; 2017; 2018). Intake of food categories and nutrients was adjusted by energy intake using the residual method.

[‡]Statistically significant associations.

Supplementary Table 6. The characteristics of the 8,551 mothers who were analyzed and the 13,942 mothers who were excluded from the analysis (cont.)

Variables	Mothers who were not analyzed (n=13,942)		Mothers who were analyzed (n=8,551)	
	Median or n	IQR or %	Median or n	IQR or %
Copper (mg)	0.92	0.65–1.20	1.02	0.82–1.28
Manganese (mg)	2.11	1.49–2.74	2.34	1.86–2.95
Retinol equivalents (µg RE)	429	231–701	502	330–784
Vitamin D (µg)	4.91	2.30–8.27	5.69	3.79–8.87
Vitamin K (µg)	181	98.4–302	220	144–331
Vitamin B-1 (mg)	0.75	0.51–1.02	0.84	0.65–1.09
Vitamin B-2 (mg)	0.97	0.61–1.39	1.10	0.81–1.49
Vitamin B-6 (mg)	1.01	0.69–1.36	1.11	0.87–1.45
Vitamin B-12 (µg)	4.07	2.05–6.54	4.73	3.14–6.93
Folate (µg)	225	143–319	256	191–351
Pantothenic acid (mg)	5.40	3.68–7.30	5.96	4.62–7.77
Vitamin C (mg)	59.9	31.9–93	72.2	48.4–105
Cholesterol (mg)	230	133–334	258	183–346
Dietary fibre (g)	9.09	5.76–12.8	10.4	7.80–14.0
α-carotene (µg)	443	141–792	527	248–819
β-carotene (µg)	2,150	1,040–3,440	2,550	1,590–3,800
Lycopene (µg)	452	126–955	619	301–1,190
β-Cryptoxanthin (µg)	162	21.0–516	330	99.7–668

RE: retinol equivalents