



Supplementary Figure 1. Flow chart of participants in the Tongji Maternal and Child Health cohort and in the present study.

Supplementary Table 1. Maternal yogurt consumption and the risk of infantile eczema between 0~3 and 3~6 months of age among whose mother with neither history of allergy nor smoking habits.

□	Eczema 0~3 months			□	Eczema 3~6 months		
	N	Adjusted ^a RR (95% CI)	<i>P</i> value		N	Adjusted ^a RR (95% CI)	<i>P</i> value
Yogurt							
No intake	561(40)	(Reference)		506(28)	(Reference)		
Any intake	1557(117)	1.05(0.73, 1.51)	0.802	1387(47)	0.54(0.34, 0.87)	0.011	
Intake frequencies							
Per 1 times/week	2118(157)	1.01(0.99, 1.02)	0.442	1893(75)	0.97(0.95, 0.99)	0.017	
Intake frequencies							
None	561(40)	(Reference)		506(28)	(Reference)		

~3 times/week	764(54)	0.99(0.66, 1.50)	0.961	674(25)	0.62(0.36, 1.06)	0.082
>3 times/week	793(63)	1.10(0.74, 1.65)	0.628	713(22)	0.47(0.27, 0.83)	0.009
<i>P</i> for trend			0.547			0.020
Intake volume						
Per 10 g/day	2118(157)	1.01(0.99, 1.03)	0.312	1893(75)	0.96(0.93, 1.00)	0.035
increment						
None	561(40)	(Reference)		506(28)	(Reference)	
~50 g/day	478(35)	1.02(0.65, 1.61)	0.933	426(16)	0.65(0.35, 1.22)	0.180
>50 g/day	1079(82)	1.06(0.72, 1.55)	0.765	961(31)	0.50(0.30, 0.83)	0.008
<i>P</i> for trend			0.753			0.013

Abbreviations: CI, confidence interval; RR, rate ratios.

Note: The RR (95% CI) and *P* values generated from Poisson regression models.

^aAdjusted for maternal age, pre-pregnancy BMI, average personal income, education attainment, birth mode, infant's sex, birth weight, birth seasons, full breastfeeding duration and probiotics supplementation.

Supplementary Table 2. Maternal yogurt consumption and the risk of infantile any eczema, recurrent eczema in first 6

months of age among whose mother with neither history of allergy nor smoking habits.

□	Any eczema			□	Recurrent eczema		
	N	Adjusted ^a RR (95% CI)	<i>P</i> value		N	Adjusted ^a RR (95% CI)	<i>P</i> value
Yogurt							
No intake	506(52)	(Reference)		506(11)	(Reference)		
Any intake	1387(143)	0.99(0.72, 1.37)	0.956	1387(14)	0.41(0.18, 0.91)	0.029	
Intake frequencies							
Per 1 times/week	1893(195)	1.00(0.99, 1.01)	0.983	1893(25)	0.96(0.93, 1.00)	0.057	
increment							
None	506(52)	(Reference)		506(11)	(Reference)		
~3 times/week	674(70)	1.01(0.70, 1.45)	0.963	674(7)	0.44(0.17, 1.17)	0.100	
>3 times/week	713(73)	0.97(0.68, 1.40)	0.887	713(7)	0.38(0.14, 0.99)	0.047	
<i>P</i> for trend			0.851			0.087	
Intake volume							
Per 10 g/day	1893(195)	1.01(0.99, 1.02)	0.540	1893(25)	0.93(0.86, 1.00)	0.040	
increment							
None	506(52)	(Reference)		506(11)	(Reference)		
~50 g/day	426(43)	0.97(0.66, 1.49)	0.956	426(6)	0.65(0.23, 1.81)	0.410	
>50 g/day	961(100)	0.99(0.71, 1.39)	0.963	961(8)	0.32(0.13, 0.80)	0.015	
<i>P</i> for trend			0.975			0.017	

Abbreviations: CI, confidence interval; RR, rate ratios.

Note: The RR (95% CI) and *P* values generated from Poisson regression models.

^aAdjusted for maternal age, pre-pregnancy BMI, average personal income, education attainment, birth mode, infant's sex,

birth weight, birth seasons, full breastfeeding duration and probiotics supplementation.