

Supplementary Materials: Association of Safe Disposal of Child Feces and Reported Diarrhea in Indonesia: Need for Stronger Focus on a Neglected Risk

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Table S1. Risk factors for diarrhea in children aged 0–23 months in Indonesia ($n = 4909$)—Presentation of prevalence ratio (PR).

Factors		Diarrhea (%)	No of Cases	N	PR	Unadjusted (bivariate)			Adjusted (multivariate)			
						95% CI		p	PR	95% CI		p
						Lower	Upper			Lower	Upper	
Sex	Boys	19.3%	492	2548	1.13	0.94	1.35	0.19				
	Girls	17.1%	404	2362								
Age of child (months)	12–23	20.6%	486	2364	1.61	1.27	2.05	0.0005	1.85	1.46	2.35	<0.0001
	6–11	19.2%	253	1321	1.50	1.15	1.97		1.64	1.26	2.12	
	0–5	12.8%	156	1225	Ref							
Mother’s perception of child size at birth	Very small	43.1%	28	64	3.25	1.55	6.83	0.002	3.06	1.47	6.37	0.007
	Smaller than average	19.8%	108	546	1.50	0.77	2.90		1.49	0.78	2.83	
	Average	18.2%	510	2793	1.38	0.75	2.53		1.39	0.77	2.53	
	Larger than average	17.1%	225	1315	1.29	0.69	2.40		1.32	0.72	2.41	
	Very large	13.2%	25	192	Ref				Ref			
Age-appropriate feeding	No	18.1%	562	3106	0.98	0.82	1.16	0.79				
	Yes	18.5%	334	1803	Ref							
Woman's age	<20	29.0%	80	277	2.01	1.15	3.50	<0.0001	1.91	1.11	3.30	0.0001
	20–29	20.3%	522	2566	1.41	0.88	2.25		1.38	0.87	2.20	
	30–39	14.1%	263	1857	0.98	0.61	1.58		0.97	0.60	1.56	
	≥40	14.5%	30	209	Ref				Ref			
Husband's age	<30	23.7%	369	1562	1.62	1.24	2.12	<0.0001				
	30–39	16.1%	394	2443	1.11	0.86	1.43					
	≥40	14.6%	132	904	Ref							
Women's education	Primary or less	19.4%	261	1342	1.62	1.15	2.28	0.01	1.48	1.06	2.06	0.04
	Secondary	19.4%	543	2804	1.61	1.17	2.22		1.50	1.09	2.07	
	Higher	12.0%	92	763	Ref				Ref			
Husband's education	Primary or less	20.6%	293	1424	1.73	1.21	2.49	0.01				
	Secondary	18.6%	520	2789	1.57	1.10	2.24					
	Higher	11.9%	83	696	Ref							

Table 1. Cont.

Factors		Diarrhea (%)	No of Cases	N	PR	Unadjusted (bivariate)			PR	Adjusted (multivariate)		
						95% CI		p		95% CI		p
						Lower	Upper			Lower	Upper	
Number of household member	>4	19.1%	594	3114	1.13	0.94	1.36	0.18				
	≤4	16.8%	302	1795	Ref							
Wealth Quintile	Lowest	22.9%	150	655	1.68	1.25	2.27	0.014				
	Second	19.8%	189	951	1.46	1.07	1.97					
	Third	19.3%	198	1031	1.41	1.03	1.95					
	Fourth	17.8%	207	1162	1.31	0.94	1.81					
	Highest	13.6%	151	1110	Ref							
Sanitation	Unimproved	20.7%	319	1537	1.21	1.01	1.46	0.04				
	Improved	17.1%	577	3372	Ref							
Safe disposal of child feces	Unsafe	20.4%	530	2593	1.29	1.09	1.54	<0.0001	1.35	1.14	1.61	0.001
	Safe	15.8%	366	2316	Ref							
Availability of soap for hand washing	Unavailable	24.9%	76	307	1.40	1.08	1.81	0.01				
	Available	17.8%	819	4602	Ref							
Water source	Unimproved	19.1%	361	1886	1.08	0.91	1.29	0.37				
	Improved	17.7%	535	3023	Ref							
Water treatment	Untreated	17.5%	268	1534	0.94	0.78	1.14	0.54				
	Treated	18.6%	627	3375	Ref							
Number of antenatal care visits received by mother during pregnancy	<4	22.2%	93	418	1.24	0.98	1.57	0.07				
	≥4	17.9%	803	4492	Ref							
Birth assisted by trained professionals	No	20.4%	102	499	1.13	0.90	1.43	0.28				
	Yes	18.0%	794	4410	Ref							
Birth in facility	No	19.2%	571	2983	1.14	0.94	1.38	0.19				
	Yes	16.8%	324	1926	Ref							
Woman participates in decision on own health	No	24.3%	178	734	1.42	1.13	1.77	0.002	1.32	1.07	1.62	0.009
	Yes	17.2%	717	4175	Ref				Ref			
Woman participates in decision on large household purchase	No	22.2%	186	837	1.28	1.04	1.56	0.02				
	Yes	17.4%	709	4072	Ref							
Woman participates in decision on visit to family	No	23.1%	172	744	1.33	1.08	1.63	0.01				
	Yes	17.4%	724	4165	Ref							
Woman participates in decision on what to do with money	No	21.8%	117	535	1.23	0.95	1.58	0.11				
	Yes	17.8%	779	4374	Ref							

Table 2. Subgroup analysis on association between diarrhea in children aged less than 24 months and disposal of child's feces by biological indicators, socio economic indicators and wash indicators—Comparison of odds ratio (OR) and prevalence ratio (PR).

Subgroup	N	Adjusted (multivariate) *					Adjusted (multivariate) *				
		OR	95% CI		<i>p</i>	<i>Interaction P</i>	PR	95% CI		<i>p</i>	<i>Interaction p</i>
			Lower	Upper				Lower	Upper		
Biological Indicator											
Gender *											
Male	2548	1.15	0.85	1.56	0.37	0.02	1.12	0.88	1.41	0.37	0.02
Female	2362	1.93	1.41	2.65	<0.0001		1.70	1.31	2.20	0.00	
Birth Size **											
Smaller than Average	610	2.31	1.27	4.22	0.006	0.12	1.90	1.19	3.04	0.01	0.13
Average to Very Large	4299	1.38	1.09	1.74	0.007		1.29	1.07	1.56	0.01	
Socio-Economic Indicator											
Woman's education ***											
secondary or lower	4146	1.52	1.20	1.92	<0.0001	0.28	1.39	1.15	1.67	0.00	0.33
Higher	763	1.08	0.62	1.89	0.79		1.07	0.66	1.74	0.79	
Wash Indicator											
Sanitation *											
Unimproved	1537	2.19	1.40	3.43	0.001	0.04	1.86	1.28	2.69	0.00	0.04
Improved	3372	1.24	0.94	1.62	0.12		1.18	0.95	1.47	0.12	
Water Source *											
Unimproved water	1886	1.58	1.12	2.23	0.009	0.57	1.44	1.09	1.89	0.01	0.58
Improved water	3023	1.39	1.06	1.84	0.018		1.30	1.04	1.62	0.02	
Soap Availability *											
No	307	1.32	0.61	2.83	0.479	0.81	1.22	0.69	2.16	0.50	0.74
Yes	4602	1.45	1.16	1.82	0.001		1.35	1.12	1.61	0.00	

* Adjusted for woman's education, child's age, birth size, woman's age, and woman participation in decision of her own health; ** Adjusted for woman's education, child's age, woman's age, and woman participation in decision of her own health; *** Adjusted for child's age, birth size, woman's age, and woman participation in decision of her own health.

