

SUPPLEMENTAL TABLE 1

Adjusted random effect multinomial regression models for self-reported diarrhoea and vomiting among students and risk factors in Monastic schools in Myanmar using student-to-facility ratios to measure toilet and handwash station availability ( $N = 1, 659$ )

Factor	Diarrhea only ( $N = 204$ )		Vomiting only ( $N = 200$ )		Diarrhea and vomiting ( $N = 179$ )	
	ARR (95% CI)	<i>P</i> value	ARR (95% CI)	<i>P</i> value	ARR (95% CI)	<i>P</i> value
<b>Student level</b>						
<b>Student characteristics</b>						
<b>Sex</b>						
Male	1.18 (0.86–1.62)	0.30	1.06 (0.77–1.46)	0.73	1.05 (0.75–1.48)	0.77
Female	Ref.		Ref.		Ref.	
<b>Grade</b>						
4	<b>1.46 (1.07–2.00)</b>	<b>0.02</b>	<b>2.13 (1.54–2.94)</b>	<b>&lt; 0.01</b>	<b>1.58 (1.13–2.21)</b>	<b>0.01</b>
5	<b>Ref.</b>		<b>Ref.</b>		<b>Ref.</b>	
<b>Hygiene behavior</b>						
<b>Poor handwashing before meals</b>						
Yes	1.01 (0.66–1.57)	0.95	1.06 (0.69–1.62)	<b>0.80</b>	1.34 (0.87–2.08)	0.185
No	Ref.		Ref.		Ref.	
<b>Poor handwashing after toilet use</b>						
Yes	1.01 (0.65–1.56)	0.98	1.24 (0.81–1.89)	0.32	1.03 (0.66–1.61)	0.91
No	Ref.		Ref.		Ref.	
<b>Inconsistent toilet use</b>						
Yes	1.07 (0.76–1.52)	0.70	1.34 (0.94–1.91)	0.11	1.37 (0.95–1.99)	0.09
No	Ref.		Ref.		Ref.	
<b>Poor hygiene education recall</b>						
Yes	0.91 (0.56–1.50)	0.72	0.96 (0.59–1.56)	0.88	1.17 (0.72–1.91)	0.52
No	Ref.		Ref.		Ref.	
<b>School level</b>						
<b>Student-to-toilet ratio*</b>						
< 51:1	Ref.		Ref.		Ref.	
51:1–100:1	<b>0.45 (0.26–0.78)</b>	<b>&lt; 0.01</b>	0.70 (0.40–1.20)	0.20	<b>0.49 (0.27–0.89)</b>	<b>0.02</b>
> 100:1	<b>0.48 (0.24–0.97)</b>	<b>0.04</b>	0.70 (0.35–1.40)	0.32	1.07 (0.52–2.18)	0.86
<b>Type of toilet</b>						
<b>Pour flush</b>						
Yes	0.71 (0.42–1.20)	0.20	0.87 (0.51–1.48)	0.61	0.74 (0.43–1.29)	0.29
No	Ref.		Ref.		Ref.	
<b>Latrine</b>						
Yes	0.90 (0.54–1.49)	0.68	1.16 (0.70–1.92)	0.56	1.29 (0.76–2.19)	0.35
No	Ref.		Ref.		Ref.	
<b>Septic tank</b>						
Yes	<b>0.59 (0.37–0.95)</b>	<b>0.03</b>	0.69 (0.43–1.19)	0.14	<b>0.58 (0.35–0.95)</b>	<b>0.03</b>
No	<b>Ref.</b>		Ref.		<b>Ref.</b>	
<b>Unclean toilets</b>						
Yes	0.72 (0.43–1.20)	0.72	0.82 (0.49–1.36)	0.44	0.60 (0.35–1.01)	0.05
No	Ref.		Ref.		Ref.	
<b>No separate toilets for girls</b>						
Yes	0.86 (0.51–1.45)	0.57	1.22 (0.72–2.05)	0.46	<b>0.45 (0.25–0.80)</b>	<b>&lt; 0.01</b>
No	Ref.		Ref.		<b>Ref.</b>	
<b>Handwashing facilities</b>						
<b>Student-to-handwash station ratio†</b>						
< 51:1	Ref.		Ref.		Ref.	
51:1–150:1	0.86 (0.48–1.53)	0.61	1.16 (0.65–2.06)	0.62	0.83 (0.46–1.50)	0.54
> 151:1	1.96 (1.02–3.75)	0.04	1.71 (0.89–3.30)	0.11	1.61 (0.81–3.18)	0.17
<b>Insufficient soap available</b>						
Yes	0.78 (0.48–1.27)	0.32	0.93 (0.57–1.52)	0.76	0.76 (0.46–1.26)	0.28
No	Ref.		Ref.		Ref.	
<b>Insufficient water available</b>						
Yes	0.48 (0.15–1.50)	0.21	0.41 (0.13–1.34)	0.14	2.47 (0.91–6.65)	0.08
No	Ref.		Ref.		Ref.	

ARR = adjusted relative risk ratio; CI = confidence interval.

\*Student-to-toilet ratio = number of students at the school to the number of student toilets at the school.

†Student-to-handwash station ratio = number of students at the school to the number of handwash stations for students at the school.