Supplementary Materials 2.

Univariate and multivariable relationships between sanitation, hygiene, menstrual materials and sociodemographic characteristics and women's reports of the characteristics of their menstrual management location

	Clean		**Private**		**Safe**		**Lockable**		**Soap&Water**	
	OR (95%CI)	aOR (95%CI)	OR (95%CI)	aOR (95%CI)	OR (95%CI)	aOR (95%CI)	OR (95%CI)	aOR (95%CI)	OR (95%CI)	aOR (95%CI)
Menstrual management location										
Safely managed/basic	7.72 (4.98-11.98)	4.53 (2.87-7.16)	2.07 (1.47-2.93)	1.02 (0.70-1.48)	2.18 (1.52-3.11)	1.45 (0.98-2.15)	2.01 (1.40-2.88)	0.93 (0.62-1.37)	1.86 (1.27-2.72)	1.04 (0.70-1.56)
Limited	11.48 (5.45-24.20)	3.49 (1.59-7.67)	6.09 (3.50-10.62)	1.65 (0.92-2.98)	7.16 (3.77-13.60)	2.93 (1.46-5.89)	1.40 (0.90-2.16)	0.33 (0.18-0.60)	1.32 (0.83-2.11)	0.48 (0.26-0.91)
Unimproved	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Other sanitation	11.18 (6.42-19.46)	5.12 (2.74-9.56)	5.89 (3.88-8.91)	2.07 (1.30-3.28)	3.53 (2.30-5.42)	1.81 (1.11-2.96)	3.21 (2.21-4.66)	0.89 (0.58-1.35)	4.55 (3.07-6.72)	2.02 (1.32-3.10)
Sleeping	5.47 (3.79-7.90)	4.66 (3.18-6.84)	3.53 (2.53-4.94)	2.60 (1.82-3.69)	2.58 (1.83-3.63)	2.24 (1.55-3.22)	2.56 (1.85-3.52)	1.87 (1.33-2.64)	0.67 (0.45-0.98)	0.49 (0.34-0.73)
No facility/field	0.84 (0.55-1.28)	0.66 (0.41-1.05)	0.93 (0.62-1.41)	0.67 (0.42-1.05)	0.77 (0.50-1.17)	0.62 (0.40-0.97)	0.13 (0.06-0.30)	0.05 (0.02-0.13)	0.55 (0.32-0.93)	0.41 (0.22-0.76)
Handwashing										
Yes	4.59 (3.08-6.84)	2.61 (1.65-4.11)	2.72 (2.03-3.64)	1.66 (1.20-2.31)	4.11 (2.86-5.91)	2.72 (1.83-4.06)	2.67 (2.08-3.43)	2.09 (1.54-2.83)	2.05 (1.58-2.65)	1.21 (0.86-1.70)
No	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Age										
15-19	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
20-24	0.81 (0.61-1.08)	0.84 (0.59-1.21)	1.01 (0.76-1.33)	1.17 (0.84-1.63)	1.08 (0.80-1.45)	1.07 (0.77-1.49)	0.83 (0.64-1.09)	0.86 (0.62-1.19)	0.81 (0.61-1.09)	0.83 (0.59-1.16)
25-34	1.21 (0.92-1.59)	1.31 (0.71-1.89)	1.03 (0.79-1.33)	1.22 (0.88-1.71)	1.07 (0.82-1.40)	1.01 (0.73-1.40)	0.90 (0.70-1.15)	1.04 (0.75-1.44)	0.87 (0.66-1.13)	0.87 (0.63-1.21)
35+	1.35 (1.01-1.82)	1.37 (0.91-2.08)	1.29 (0.98-1.69)	1.44 (1.01-2.06)	1.25 (0.94-1.66)	1.12 (0.78-1.62)	0.83 (0.65-1.06)	0.88 (0.61-1.25)	0.94 (0.74-1.21)	0.94 (0.66-1.34)
Education										
None	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Primary school	1.49 (1.12-1.98)	1.08 (0.77-1.53)	1.52 (1.16-1.98)	1.19 (0.88-1.59)	0.96 (0.73-1.26)	0.91 (0.67-1.23)	1.79 (1.37-2.34)	1.45 (1.06-1.96)	1.37 (1.01-1.85)	1.17 (0.83-1.64)
Secondary school	2.55 (1.87-3.46)	1.25 (0.80-1.94)	3.16 (2.40-4.16)	1.70 (1.16-2.47)	2.35 (1.77-3.12)	2.04 (1.37-3.03)	3.25 (2.51-4.19)	1.81 (1.27-2.57)	2.29 (1.74-3.00)	1.28 (0.88-1.88)
Higher education	15.48 (5.33-44.94)	2.24 (0.75-6.71)	12.19 (6.06-24.52)	3.43 (1.61-7.31)	5.94 (3.14-11.22)	2.33 (1.14-4.76)	5.92 (3.87-9.05)	2.03 (1.20-3.42)	7.31 (4.74-11.28)	2.76 (1.64-4.65)
Marital status										
Married/cohabitating	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Divorced/widow	0.91 (0.52-1.59)	0.50 (0.25-1.01)	1.92 (1.06-3.47)	1.24 (0.64-2.40)	0.99 (0.58-1.70)	0.63 (0.34-1.17)	1.56 (0.96-2.53)	1.28 (0.69-2.36)	1.00 (0.59-1.70)	0.81 (0.46-1.44)
Never married	1.78 (1.31-2.43)	0.89 (0.58-1.36)	2.14 (1.61-2.82)	1.18 (0.80-1.74)	1.37 (1.04-1.81)	0.62 (0.42-0.92)	1.87 (1.48-2.38)	0.92 (0.66-1.31)	1.78 (1.40-2.28)	0.93 (0.65-1.33)
Wealth quintile										
1 (lowest)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	1.44 (0.98-2.12)	1.58 (1.04-2.42)	1.26 (0.87-1.81)	1.31 (0.90-1.92)	0.66 (0.45-0.97)	0.67 (0.44-1.01)	0.84 (0.55-1.28)	0.93 (0.61-1.44)	1.16 (0.72-1.89)	1.12 (0.67-1.88)
3	1.70 (1.14-2.52)	1.57 (1.01-2.45)	2.00 (1.36-2.93)	1.73 (1.15-2.61)	0.85 (0.58-1.25)	0.74 (0.48-1.13)	1.48 (0.99-2.23)	1.37 (0.88-2.12)	1.69 (1.06-2.71)	1.51 (0.91-2.49)
4	3.92 (2.56-6.00)	1.55 (0.91-2.66)	3.48 (2.34-5.17)	1.74 (1.10-2.75)	1.33 (0.88-1.99)	0.61 (0.37-1.00)	2.72 (1.85-3.99)	1.97 (1.27-3.07)	2.30 (1.47-3.60)	1.47 (0.85-2.54)
5 (highest)	18.48 (9.82-34.76)	3.79 (1.61-8.90)	7.96 (5.24-12.09)	2.00 (1.18-3.40)	4.55 (2.87-7.21)	1.15 (0.61-2.17)	5.75 (3.93-8.43)	4.29 (2.45-7.50)	6.03 (3.92-9.27)	2.61 (1.41-4.85)
Rurality										
Urban	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Rural	0.13 (0.09-0.20)	0.45 (0.28-0.73)	0.24 (0.18-0.32)	2.25 (1.56-3.23)	0.27 (0.20-0.36)	1.93 (1.34-2.78)	0.47 (0.37-0.59)	0.78 (0.55-1.11)	0.39 (0.31-0.50)	1.19 (0.83-1.71)
Reuse menstrual materials										
Yes	0.33 (0.24-0.46)	0.79 (0.53-1.18)	0.38 (0.29-0.49)	0.85 (0.62-1.16)	0.48 (0.36-0.63)	0.91 (0.65-1.26)	0.31 (0.25-0.39)	0.54 (0.41-0.71)	0.35 (0.28-0.45)	0.77 (0.58-1.02)
No	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

OR: bivariate odds ratio. 95%CI: 95% confidence interval. aOR: odds ratio for full multivariable model including all listed predictors.