

Supplementary Tables - Supplementary Table 4

Supplementary Table 4.1: Results of multiple linear regression models testing the association of dental caries and HAZ and the role of oral impacts on this association: presented as regression coefficient (95% CI) (N= 715)

HAZ	Categories	Model 1	Model 2	Model 3	Model 4	Model 5
Dental caries (ref: dmft+DMFT=0)	Mild caries (dmft+DMFT=1- 2)	-0.22 (-0.49, 0.04) ^{NS}	-0.21 (-0.46, 0.04) ^{NS}	-0.07 (-0.32, 0.17) ^{NS}	-0.07 (-0.32, 0.17) ^{NS}	-0.01 (-0.29, 0.27) ^{NS}
	Moderate (dmft+DMFT=3- 5)	-0.54 (-0.79, -0.29) ^{***}	-0.46 (-0.70, -0.22) ^{***}	-0.24 (-0.49, -0.00) [*]	-0.24 (-0.48, 0.00) ^{NS}	-0.14 (-0.46, 0.17) ^{NS}
	Severe (dmft+DMFT=6- 15)	-0.97 (-1.26, -0.67) ^{***}	-0.76 (-1.04, -0.47) ^{***}	-0.41 (-0.71, -0.12) ^{**}	-0.40 (-0.69, -0.10) ^{**}	-0.30 (-0.66, 0.07) ^{NS}
Maternal education (ref= no and primary education)	Secondary		0.47 (0.21, 0.72) ^{***}	0.32 (0.06, 0.57) [*]	0.31 (0.06, 0.57) [*]	0.31 (0.06, 0.57) [*]
	Higher secondary		0.74 (0.47, 1.01) ^{***}	0.56 (0.29, 0.83) ^{***}	0.55 (0.28, 0.83) ^{***}	0.55 (0.27, 0.82) ^{***}
	Tertiary		1.02 (0.71, 1.32) ^{***}	0.86 (0.55, 1.16) ^{***}	0.84 (0.54, 1.14) ^{***}	0.83 (0.53, 1.14) ^{***}
Monthly family income (ref= <8000 Taka)	8-20 thousand		0.19 (-0.08, 0.47) ^{NS}	0.22 (-0.04, 0.49) ^{NS}	0.20 (-0.06, 0.47) ^{NS}	0.20 (-0.06, 0.47) ^{NS}
	>20-30 thousand		0.47 (0.15, 0.79) ^{**}	0.54 (0.23, 0.86) ^{**}	0.52 (0.21, 0.84) ^{**}	0.52 (0.20, 0.83) ^{**}
	>30 thousand		0.18 (-0.17, 0.53) ^{NS}	0.24 (-0.11, 0.58) ^{NS}	0.23 (-0.11, 0.58) ^{NS}	0.23 (-0.11, 0.58) ^{NS}

Table 4.1 continued

HAZ	Categories	Model 1	Model 2	Model 3	Model 4	Model 5
Setting (ref=Hospital)	School children			0.68 (0.47, 0.89)***	0.67 (0.46, 0.89)***	0.65 (0.44, 0.87)***
Birth weight (ref= normal birth weight)	Low weight				-0.20 (-0.50, 0.11) ^{NS}	-0.20 (-0.51, 0.10) ^{NS}
	High weight				0.20 (-0.11, 0.51) ^{NS}	0.20 (-0.11, 0.51) ^{NS}
Childhood diseases (ref=no)	Any diseases				-0.08 (-0.32, 0.15) ^{NS}	-0.07 (-0.31, 0.16) ^{NS}
oral impacts (ref= no)	Any impact					-0.13 (-0.39, 0.13) ^{NS}

Model 1: unadjusted analysis;

Model 2: Model 1 + socio-economic variables (maternal education+ family income);

Model 3: Model 2 + setting;

Model 4: Model 3 + birth weight, childhood disease;

Model 5: Model 4 + oral impacts (dichotomized SOHO-5)

*** p<0.001 **p<0.01 *p<0.05

Supplementary Table 4.2 Results of multiple linear regression models testing the association of dental caries and WAZ and the role of oral impacts on this association: presented as regression coefficient (95% CI) (N= 715)

WAZ	Categories	Model 1	Model 2	Model3	Model 4	Model 5
Dental caries (ref: dmft+DMFT=0)	Mild caries (dmft+DMFT=1- 2)	-0.34 (-0.65, -0.03)*	-0.32 (-0.61, -0.02)*	-0.16 (-0.45, 0.13) ^{NS}	-0.16 (-0.45, 0.13) ^{NS}	0.03 (-0.30, 0.35) ^{NS}
	Moderate (dmft+DMFT=3- 5)	-0.80 (-1.10, -0.50)***	-0.68 (-0.97, -0.40)***	-0.44 (-0.73, -0.15)**	-0.43 (-0.72, -0.15)**	-0.14 (-0.51, 0.22) ^{NS}
	Severe (dmft+DMFT=6- 15)	-1.27 (-1.62, -0.92)***	-1.03 (-1.37, -0.69)***	-0.63 (-0.98, -0.27)**	-0.59 (-0.94, -0.24)**	-0.29 (-0.72, 0.13) ^{NS}
Maternal education (ref= no and primary education)	Secondary		0.47 (0.16, 0.77)**	0.29 (-0.01, 0.59) ^{NS}	0.28 (-0.02, 0.58) ^{NS}	0.28 (-0.02, 0.58) ^{NS}
	Higher secondary		0.83 (0.51, 1.15)***	0.62 (0.30, 0.94)***	0.60 (0.28, 0.92)***	0.57 (0.26, 0.89)***
	Tertiary		1.08 (0.72, 1.45)***	0.90 (0.54, 1.26)***	0.86 (0.50, 1.21)***	0.84 (0.48, 1.20)***
Monthly family income (ref= <8000 Taka)	8-20 thousand		0.24 (-0.08, 0.57) ^{NS}	0.27 (-0.04, 0.59) ^{NS}	0.23 (-0.08, 0.54) ^{NS}	0.23 (-0.08, 0.54) ^{NS}
	>20-30 thousand		0.73 (0.35, 1.12)***	0.82 (0.45, 1.19)***	0.78 (0.41, 1.15)***	0.76 (0.39, 1.13)***
	>30 thousand		0.47 (0.05, 0.89)*	0.53 (0.12, 0.94)*	0.53 (0.12, 0.93)*	0.53 (0.13, 0.93)*

Table 4.2 continued

WAZ	Categories	Model 1	Model 2	Model 3	Model 4	Model 5
Setting (ref=Hospital)	School children			0.79 (0.54, 1.04) ^{***}	0.78 (0.52, 1.03) ^{***}	0.73 (0.47, 0.98) ^{***}
Birth weight (ref= normal birth weight)	Low weight				-0.54 (-0.90, -0.18) ^{**}	-0.55 (-0.91, -0.19) ^{**}
	High weight				0.43 (0.07, 0.79) [*]	0.43 (0.07, 0.79) [*]
Childhood diseases (ref=no)	Any diseases				-0.22 (-0.50, 0.05) ^{NS}	-0.19 (-0.47, 0.08) ^{NS}
Oral impacts (ref= no)	Any impact					-0.37 (-0.68, -0.07) [*]

Model 1: unadjusted analysis;

Model 2: Model 1 + socio-economic variables (maternal education+ family income);

Model 3: Model 2 + setting;

Model 4: Model 3 + birth weight, childhood disease;

Model 5: Model 4 + Oral impacts (dichotomized SOHO-5)

*** p<0.001 **p<0.01 *p<0.05

Table 4.3 Results of multiple linear regression models testing the association of dental caries and BAZ and the role of oral impacts on this association: presented as regression coefficient (95% CI) (N= 715)

BAZ	Categories	Model 1	Model 2	Model 3	Model 4	Model 5
Dental caries (ref: dmft+DMFT=0)	Mild caries (dmft+DMFT=1- 2)	-0.28 (-0.60, 0.03) ^{NS}	-0.26 (-0.57, 0.04) ^{NS}	-0.16 (-0.46, 0.15) ^{NS}	-0.16 (-0.46, 0.14) ^{NS}	0.05 (-0.29, 0.39) ^{NS}
	Moderate (dmft+DMFT=3- 5)	-0.68 (-0.98, -0.38) ^{***}	-0.59 (-0.89, -0.30) ^{***}	-0.43 (-0.73, -0.13) ^{**}	-0.43 (-0.72, -0.13) ^{**}	-0.10 (-0.48, 0.29) ^{NS}
	Severe (dmft+DMFT=6- 15)	-0.96 (-1.31, -0.61) ^{***}	-0.80 (-1.15, -0.46) ^{***}	-0.54 (-0.91, -0.17) ^{**}	-0.50 (-0.87, -0.13) ^{**}	-0.16 (-0.61, 0.28) ^{NS}
Maternal education (ref= no and primary education)	Secondary		0.24 (-0.07, 0.56) ^{NS}	0.13 (-0.18, 0.44) ^{NS}	0.11 (-0.19, 0.43) ^{NS}	0.12 (-0.19, 0.42) ^{NS}
	Higher secondary		0.54 (0.21, 0.87) ^{**}	0.40 (0.07, 0.74) [*]	0.38 (0.05, 0.71) [*]	0.35 (0.02, 0.68) [*]
	Tertiary		0.67 (0.29, 1.04) ^{**}	0.55 (0.17, 0.92) ^{**}	0.50 (0.12, 0.87) ^{**}	0.48 (0.11, 0.85) [*]
Monthly family income (ref= <8000 Taka)	8-20 thousand		0.19 (-0.15, 0.52) ^{NS}	0.21 (-0.12, 0.54) ^{NS}	0.16 (-0.17, 0.48) ^{NS}	0.16 (-0.17, 0.48) ^{NS}
	>20-30 thousand		0.65 (0.26, 1.04) ^{**}	0.71 (0.32, 1.10) ^{***}	0.66 (0.28, 1.05) ^{**}	0.64 (0.25, 1.02) ^{**}
	>30 thousand		0.54 (0.11, 0.98) [*]	0.59 (0.16, 1.01) ^{**}	0.58 (0.16, 1.00) ^{**}	0.59 (0.17, 1.01) ^{**}

Table 4.3 continued

BAZ	Categories	Model 1	Model 2	Model 3	Model 4	Model 5
Setting (ref=Hospital)	School children			0.51 (0.25, 0.77)***	0.51 (0.24, 0.77)***	0.45 (0.18, 0.71)**
Birth weight (ref= normal birth weight)	Low weight				-0.63 (-1.00, -0.25)**	-0.64 (-1.02, -0.27)**
	High weight				0.44 (0.07, 0.83)*	0.45 (0.07, 0.83)*
Childhood diseases (ref=no)	Any diseases				-0.25 (-0.53, 0.04) ^{NS}	-0.21 (-0.50, 0.07) ^{NS}
oral impacts (ref= no)	Any oral impact					-0.43 (-0.75, -0.11)**

Model 1: unadjusted analysis;

Model 2: Model 1 + socio-economic variables (maternal education+ family income);

Model 3: Model 2 + setting;

Model 4: Model 3 + birth weight, childhood disease;

Model 5: Model 4 + oral impacts (dichotomized SOHO-5)

*** p<0.001 **p<0.01 *p<0.05

Supplementary Table 5

Supplementary Table 5.1 Results of multiple linear regression models testing the association of dental sepsis and HAZ and the role of oral impacts on this association: presented as regression coefficient (95% CI) (N= 715)

HAZ	Categories	Model 1	Model 2	Model 3	Model 4	Model 5
Dental sepsis (ref: pufa+PUFA=0)	Any dental sepsis (pufa+PUFA≥1)	-0.60 (-0.79, -0.40)***	-0.45 (-0.64, -0.26)***	-0.23 (-0.43, -0.04)*	-0.23 (-0.42, -0.03)*	-0.15 (-0.37, 0.07) ^{NS}
Maternal education (ref= no and primary education)	Secondary		0.49 (0.23, 0.75)***	0.32 (0.07, 0.58)*	0.32 (0.07, 0.57)*	0.32 (0.07, 0.58)*
	Higher secondary		0.77 (0.50, 1.05)***	0.57 (0.30, 0.84)***	0.56 (0.29, 0.83)***	0.55 (0.28, 0.82)***
	Tertiary		1.07 (0.76, 1.37)***	0.88 (0.58, 1.18)***	0.86 (0.56, 1.16)***	0.85 (0.55, 1.16)***
Monthly family income (ref= <8000 Taka)	8-20 thousand		0.16 (-0.11, 0.44) ^{NS}	0.21 (-0.05, 0.48) ^{NS}	0.19 (-0.07, 0.46) ^{NS}	0.20 (-0.07, 0.47) ^{NS}
	>20-30 thousand		0.43 (0.11, 0.75)**	0.53 (0.21, 0.84)**	0.51 (0.20, 0.82)**	0.50 (0.19, 0.82)**
	>30 thousand		0.13 (-0.22, 0.49) ^{NS}	0.22 (-0.13, 0.56) ^{NS}	0.21 (-0.13, 0.56) ^{NS}	0.22 (-0.12, 0.57) ^{NS}

Table 5.1 continued

HAZ	Categories	Model 1	Model 2	Model 3	Model 4	Model 5
Setting (ref=Hospital)	School children			0.72 (0.52, 0.93) ^{***}	0.71 (0.50, 0.92) ^{***}	0.67 (0.45, 0.89) ^{***}
Birth weight (ref= normal birth weight)	Low weight				-0.20 (-0.51, 0.11) ^{NS}	-0.21 (-0.51, 0.10) ^{NS}
	High weight				0.21 (-0.10, 0.52) ^{NS}	0.21 (-0.10, 0.52) ^{NS}
Childhood diseases (ref=no)	Any diseases				-0.09 (-0.33, 0.14) ^{NS}	-0.08 (-0.31, 0.16) ^{NS}
oral impacts (ref= no)	Any oral impact					-0.16 (-0.38, 0.06) ^{NS}

Model 1: unadjusted analysis;

Model 2: Model 1 + socio-economic variables (maternal education+ family income);

Model 3: Model 2 + setting;

Model 4: Model 3 + birth weight, childhood disease;

Model 5: Model 4 + oral impacts (dichotomized SOHO-5)

*** p<0.001 **p<0.01 *p<0.05

Supplementary Table 5.2 Results of multiple linear regression models testing the association of dental sepsis and WAZ and the role of oral impacts on this association: presented as regression coefficient (95% CI) (N= 715)

WAZ	Categories	Model 1	Model 2	Model 3	Model 4	Model 5
Dental sepsis (ref: pufa+PUFA=0)	Any dental sepsis (pufa+PUFA=1-14)	-0.78 (-1.02, -0.55)***	-0.61 (-0.83, -0.38)***	-0.35 (-0.58, -0.11)**	-0.33 (-0.56, -0.10)**	-0.14 (-0.40, 0.12) ^{NS}
Maternal education (ref= no and primary education)	Secondary		0.49 (0.19, 0.80)**	0.29 (-0.00, 0.59) ^{NS}	0.28 (-0.02, 0.58) ^{NS}	0.29 (-0.00, 0.59) ^{NS}
	Higher secondary		0.87 (0.54, 1.19)***	0.62 (0.30, 0.94)***	0.60 (0.28, 0.92)***	0.58 (0.27, 0.90)***
	Tertiary		1.15 (0.79, 1.51)***	0.93 (0.57, 1.29)***	0.88 (0.52, 1.23)***	0.86 (0.51, 1.22)***
Monthly family income (ref= <8000 Taka)	8-20 thousand		0.20 (-0.12, 0.53) ^{NS}	0.26 (-0.06, 0.57) ^{NS}	0.21 (-0.10, 0.53) ^{NS}	0.23 (-0.08, 0.54) ^{NS}
	>20-30 thousand		0.69 (0.31, 1.08)***	0.81 (0.43, 1.18)***	0.77 (0.40, 1.14)***	0.75 (0.38, 1.11)***
	>30 thousand		0.41 (-0.01, 0.83) ^{NS}	0.50 (0.09, 0.91)*	0.50 (0.09, 0.91)*	0.52 (0.11, 0.92)*

Table 5.2 continued

WAZ	Categories	Model 1	Model 2	Model 3	Model 4	Model 5
Setting (ref=Hospital)	School children			0.86 (0.61, 1.10)***	0.84 (0.59, 1.09)***	0.74 (0.49, 1.00)***
Birth weight (ref= normal birth weight)	Low weight				-0.54 (-0.90, -0.18)**	-0.56 (-0.92, -0.20)*
	High weight				0.44 (0.07, 0.80)*	0.44 (0.07, 0.80)*
Childhood diseases (ref=no)	Any diseases				-0.24 (-0.51, 0.04) ^{NS}	-0.19 (-0.47, 0.08) ^{NS}
Oral impacts (ref= no)	Any oral impact					-0.41 (-0.67, -0.15)**

Model 1: unadjusted analysis;

Model 2: Model 1 + socio-economic variables (maternal education+ family income);

Model 3: Model 2 + setting;

Model 4: Model 3 + birth weight, childhood disease;

Model 5: Model 4 + oral impacts (dichotomized SOHO-5)

*** p<0.001 **p<0.01 *p<0.05

Supplementary Table 5.3 Results of multiple linear regression models testing the association of dental sepsis and BAZ and the role of oral impacts on this association: presented as regression coefficient (95% CI) (N= 715)

BAZ	Categories	Model 1	Model 2	Model 3	Model 4	Model 5
Dental sepsis (ref: pufa+PUFA=0)	Any dental sepsis (pufa+PUFA≥1)	-0.60 (-0.84, -0.37)***	-0.48 (-0.71, -0.24)**	-0.30 (-0.54, -0.06)*	-0.29 (-0.53, -0.05)*	-0.07 (-0.34, 0.19) ^{NS}
Maternal education (ref= no and primary education)	Secondary		0.26 (-0.05, 0.57) ^{NS}	0.13 (-0.18, 0.44) ^{NS}	0.11 (-0.20, 0.42) ^{NS}	0.12 (-0.18, 0.43) ^{NS}
	Higher secondary		0.56 (0.23, 0.89)**	0.40 (0.06, 0.73)*	0.37 (0.04, 0.70)*	0.35 (0.03, 0.68)*
	Tertiary		0.71 (0.34, 1.09)***	0.57 (0.19, 0.94)**	0.51 (0.14, 0.88)**	0.49 (0.13, 0.86)**
Monthly family income (ref= <8000 Taka)	8-20 thousand		0.16 (-0.18, 0.49) ^{NS}	0.19 (-0.14, 0.52) ^{NS}	0.14 (-0.18, 0.47) ^{NS}	0.16 (-0.16, 0.49) ^{NS}
	>20-30 thousand		0.62 (0.23, 1.02)**	0.70 (0.31, 1.09)***	0.66 (0.27, 1.04)**	0.63 (0.25, 1.01)**
	>30 thousand		0.50 (0.07, 0.93)*	0.56 (0.14, 0.99)*	0.56 (0.14, 0.98)**	0.58 (0.16, 1.00)**

Table 5.3 continued

BAZ	Categories	Model 1	Model 2	Model 3	Model 4	Model 5
Setting (ref=Hospital)	School children			0.58 (0.32, 0.83)***	0.56 (0.30, 0.82)***	0.46 (0.19, 0.72)**
Birth weight (ref= normal birth weight)	Low weight				-0.63 (-1.01, -0.25)**	-0.65 (-1.02, -0.28)**
	High weight				0.45 (0.07, 0.83)*	0.45 (0.07, 0.83)*
Childhood diseases (ref=no)	Any diseases				-0.26 (-0.55, 0.02) ^{NS}	-0.21 (-0.50, 0.07) ^{NS}
Oral impacts (ref= no)	Any oral impact					-0.46 (-0.73, -0.19)**

Model 1: unadjusted analysis;

Model 2: Model 1 + socio-economic variables (maternal education+ family income);

Model 3: Model 2 + setting;

Model 4: Model 3 + birth weight, childhood disease;

Model 5: Model 4 + oral impacts (dichotomized SOHO-5)

*** p<0.001 **p<0.01 *p<0.05

