

Supplementary Material

STATA code

**** Descriptive statistics ****

sum x (details

tab x

table 1_mc (see link: <https://www.stata.com/new-in-stata/create-export-descriptive-statistic-tables/>)

sum Ageinyearsatscreening Dietaryfibergm Proteingm Totalfatgm, detail

tab Gender

tab poverty_cat

tab Atleastonecomorbidity

tab obese

tab zinc_cat

dtable i. Gender Ageinyearsatscreening i. RaceHispanicorigin Dietaryfibergm Totalfatgm
Proteingm i. Atleastonecomorbidity, i.poverty_cat, i.zinc_cat, by(obese) export(table1.xlsx,
replace)

Modeling

* *Unadjusted*

regress y x as follows:

logistic obese i.zinc_cat

* **Adjusted:**

regress y x z1 z2 z3 z4

logistic obese i.zinc_cat i. RaceHispanicorigin Dietaryfibergm Totalfatgm Proteingm i.
Atleastonecomorbidity i.poverty_cat

***Regression:**

regress obese i.zinc_cat i. RaceHispanicorigin i.poverty_cat Dietaryfibergm Totalfatgm
Proteingm i. Atleastonecomorbidity i. Everbeentoldyouhaveasthma
Vif

* sensitivity analysis:

regress y x if k==1

regress y x if k==2