SUPPLEMENTARY MATERIAL

**Moraes *et al.***

**Food profile of Yanomami indigenous children aged 6 to 59 months from the Brazilian Amazon, according to the degree of food processing: a cross-sectional study**

\*\*\*\*\*STATISTICAL ANALISYS\*\*\*\*\* STATA script

\*\*\*Table 2. Descriptive Analysis: Socioeconomic, demographic, maternal and individual characteristics\*\*\*

tab PLACE\_RESIDENCE // place of residence (auaris, maturaca, ariabu)

tab SEX\_CHILD// Sex of the child

tab CHILD\_AGE // Age of child

tab BIRTHWEIGHT // Birth weight (<2,500g; >=2,500g)

tab stunded\_child// Stunted (y/n)

tab bmi\_for\_age\_child // Body mass index-for-age

tab MATERNAL\_AGE // Maternal age

tab SHORTSTATURE\_MATERNAL // Maternal short stature

tab MARITAL\_STATUS // Maternal marital status

tab N\_RESIDENTS // Number of residents in the household

tab PURCHASEFOODS // Place for food purchases in the community

tab REGULAR\_INCOME // Residents with paid work

tab CASHTRANSFER // Cash transfer program (Bolsa Família)

\*\*\*Table 3. Descriptive Analysis: Frequency of food consumption according to the degree of food processing - Total and for age groupe (6-23 months==1 and 24-59 months==2)\*\*\*

//In natura or minimally processed (regional): Fruits (Pineapple, açaí, banana, cocoa, coconut, cupuaçu, guava, ingá, orange, watermelon, passion and tucumã); Corn, roots or tubersb (Corn, manioc, manioc flour, and yam/sweet potato); Peach palm or palm heart; Fish or crab; Biju; Wild meat (Tapir, snake, agouti, monkey, curassow, namboo, paca, wild pig, toad, and deer); Chibé (manioc flour soup); Sugar cane; Mushroom; Porridges (banana, cassava flour, corn); Others (Breast milk, vegetables and legumes, ant or larvae, honey, natural fruit juice, earthworm, pepper, vegetable/fish broth and chestnuts)//

tab INNATURA\_REGIONAL

tab INNATURA\_REGIONAL if CHILD\_AGE==1

tab INNATURA\_REGIONAL if CHILD\_AGE==2

tab FRUITS

tab FRUITS if CHILD\_AGE==1

tab FRUITS if CHILD\_AGE==2

tab ROOTS\_REGIONAL

tab ROOTS\_REGIONALif CHILD\_AGE==1

tab ROOTS\_REGIONALif CHILD\_AGE==2

tab PUPUNPALM

tab PUPUNPALM if CHILD\_AGE==1

tab PUPUNPALM if CHILD\_AGE==2

tab FISH\_CRAB

tab FISH\_CRAB if CHILD\_AGE==1

tab FISH\_CRAB if CHILD\_AGE==2

tab BIJU

tab BIJU if CHILD\_AGE==1

tab BIJU if CHILD\_AGE==2

tab WILD\_MEAT

tab WILD\_MEAT if CHILD\_AGE==1

tab WILD\_MEAT if CHILD\_AGE==2

tab CHIBE

tab CHIBE if CHILD\_AGE==1

tab CHIBE if CHILD\_AGE==2

tab SUGARCANE

tab SUGARCANE if CHILD\_AGE==1

tab SUGARCANE if CHILD\_AGE==2

tab MUSHROOM

tab MUSHROOM if CHILD\_AGE==1

tab MUSHROOM if CHILD\_AGE==2

tab PORRIDGES

tab PORRIDGES if CHILD\_AGE==1

tab PORRIDGES if CHILD\_AGE==2

//In natura or minimally processed (urban): Beans; Rice or pasta; Chicken; Coffee or coffee with milk; Cow’s milk powder; Others (Beef or egg soup, oatmeal)//

tab INNATURA\_URBAN

tab INNATURA\_URBAN if CHILD\_AGE==1

tab INNATURA\_URBAN if CHILD\_AGE==2

tab BLACK\_BEANS

tab BLACK\_BEANS if CHILD\_AGE==1

tab BLACK\_BEANS if CHILD\_AGE==2

tab RICE\_PASTA

tab RICE\_PASTA if CHILD\_AGE==1

tab RICE\_PASTA if CHILD\_AGE==2

tab CHICKEN

tab CHICKENif CHILD\_AGE==1

tab CHICKENif CHILD\_AGE==2

tab COFFEE

tab COFFEE if CHILD\_AGE==1

tab COFFEE if CHILD\_AGE==2

tab MILK\_POWDER

tab MILK\_POWDER if CHILD\_AGE==1

tab MILK\_POWDER if CHILD\_AGE==2

//Processed culinary ingredients: Sugar; Table salt; Vegetable oil//

tab CULINARY\_INGR

tab CULINARY\_INGR if CHILD\_AGE==1

tab CULINARY\_INGR if CHILD\_AGE==2

tab SUGAR

tab SUGAR if CHILD\_AGE==1

tab SUGAR if CHILD\_AGE==2

tab SALT

tab SALT if CHILD\_AGE==1

tab SALT if CHILD\_AGE==2

tab VEG\_OIL

tab VEG\_OIL if CHILD\_AGE==1

tab VEG\_OIL if CHILD\_AGE==2

//Processed foods: Canned foods, processed meat; Bread//

tab PROCESS

tab PROCESS if CHILD\_AGE==1

tab PROCESS if CHILD\_AGE==2

tab CANNED\_MEAT

tab CANNED\_MEAT if CHILD\_AGE==1

tab CANNED\_MEAT if CHILD\_AGE==2

tab BREAD

tab BREAD if CHILD\_AGE==1

tab BREAD if CHILD\_AGE==2

//Ultra-processed foods: Cakes or cookies; Chocolate or chocolate powder; Artificial juice or soft drink; Noodles//

tab ULTRAPROCESS

tab ULTRAPROCESS if CHILD\_AGE==1

tab ULTRAPROCESS if CHILD\_AGE==2

tab CAKES\_COOKIES

tab CAKES\_COOKIES if CHILD\_AGE==1

tab CAKES\_COOKIES if CHILD\_AGE==2

tab CHOCOLATE

tab CHOCOLATE if CHILD\_AGE==1

tab CHOCOLATE if CHILD\_AGE==2

tab JUICE\_ART\_SOFTD

tab JUICE\_ART\_SOFTD if CHILD\_AGE==1

tab JUICE\_ART\_SOFTD if CHILD\_AGE==2

tab NOODLES

tab NOODLES if CHILD\_AGE==1

tab NOODLES if CHILD\_AGE==2

\*\*\*Table 4. Frequency of food consumption according to the degree of food processing according to selected Socioeconomic, demographic, maternal and individual characteristics

//Current place of residence; Sex of the child; Age of child; Birth weight; Maternal age; Maternal short stature; Maternal marital status; Number of residents in the household; Place for food purchases in the community; Residents with paid work; Cash transfer program (Bolsa Família)//

\*Pearson’s chi-square or Fisher’s: Significance = P-value<0,10; 90% confidence intervals\*

//In natura or minimally processed (Urban)//

tab PLACE\_RESIDENCE INNATURA\_REGIONAL, row chi2 exact

ci INNATURA\_REGIONAL if PLACE\_RESIDENCE==1, binomial level (90)

ci INNATURA\_REGIONAL if PLACE\_RESIDENCE==2, binomial level (90)

ci INNATURA\_REGIONAL if PLACE\_RESIDENCE==3, binomial level (90)

tab N\_RESIDENTS INNATURA\_REGIONAL, row chi2 exact

ci INNATURA\_REGIONAL if N\_RESIDENTS==1, binomial level (90)

ci INNATURA\_REGIONAL if N\_RESIDENTS==2, binomial level (90)

tab REGULAR\_INCOME INNATURA\_REGIONAL, row chi2 exact

ci INNATURA\_REGIONAL if REGULAR\_INCOME==1, binomial level (90)

ci INNATURA\_REGIONAL if REGULAR\_INCOME==2, binomial level (90)

tab CASHTRANSFER INNATURA\_REGIONAL, row chi2 exact

ci INNATURA\_REGIONAL if CASHTRANSFER==1, binomial level (90)

ci INNATURA\_REGIONAL if CASHTRANSFER==2, binomial level (90)

tab PURCHASEFOODS INNATURA\_REGIONAL, row chi2 exact

ci INNATURA\_REGIONAL if PURCHASEFOODS==1, binomial level (90)

ci INNATURA\_REGIONAL if PURCHASEFOODS==2, binomial level (90)

tab MARITAL\_STATUS INNATURA\_REGIONAL, row chi2 exact

ci INNATURA\_REGIONAL if MARITAL\_STATUS==1, binomial level (90)

ci INNATURA\_REGIONAL if MARITAL\_STATUS==2, binomial level (90)

tab MATERNAL\_AGE INNATURA\_REGIONAL, row chi2 exact

ci INNATURA\_REGIONAL if MATERNAL\_AGE==1, binomial level (90)

ci INNATURA\_REGIONAL if MATERNAL\_AGE==2, binomial level (90)

ci INNATURA\_REGIONAL if MATERNAL\_AGE==3, binomial level (90)

tab SHORTSTATURE\_MATERNAL INNATURA\_REGIONAL, row chi2 exact

ci INNATURA\_REGIONAL if SHORTSTATURE\_MATERNAL==1, binomial level (90)

ci INNATURA\_REGIONAL if SHORTSTATURE\_MATERNAL==2, binomial level (90)

tab CHILD\_AGE INNATURA\_REGIONAL, row chi2 exact

ci INNATURA\_REGIONAL if CHILD\_AGE==1, binomial level (90)

ci INNATURA\_REGIONAL if CHILD\_AGE==2, binomial level (90)

tab SEX\_CHILDINNATURA\_REGIONAL, row chi2 exact

ci INNATURA\_REGIONAL if SEXO\_OK==1, binomial level (90)

ci INNATURA\_REGIONAL if SEXO\_OK==2, binomial level (90)

tab BIRTHWEIGHT INNATURA\_REGIONAL, row chi2 exact

ci INNATURA\_REGIONAL if BIRTHWEIGHT==1, binomial level (90)

ci INNATURA\_REGIONAL if BIRTHWEIGHT==2, binomial level (90)

//In natura or minimally processed (Urban)//

tab PLACE\_RESIDENCE INNATURA\_URBAN, row chi2 exact

ci INNATURA\_URBAN if PLACE\_RESIDENCE==1, binomial level (90)

ci INNATURA\_URBAN if PLACE\_RESIDENCE==2, binomial level (90)

ci INNATURA\_URBAN if PLACE\_RESIDENCE==3, binomial level (90)

tab N\_RESIDENTS INNATURA\_URBAN, row chi2 exact

ci INNATURA\_URBAN if N\_RESIDENTS==1, binomial level (90)

ci INNATURA\_URBAN if N\_RESIDENTS==2, binomial level (90)

tab REGULAR\_INCOME INNATURA\_URBAN, row chi2 exact

ci INNATURA\_URBAN if REGULAR\_INCOME==1, binomial level (90)

ci INNATURA\_URBAN if REGULAR\_INCOME==2, binomial level (90)

tab CASHTRANSFER INNATURA\_URBAN, row chi2 exact

ci INNATURA\_URBAN if CASHTRANSFER==1, binomial level (90)

ci INNATURA\_URBAN if CASHTRANSFER==2, binomial level (90)

tab PURCHASEFOODS INNATURA\_URBAN, row chi2 exact

ci INNATURA\_URBAN if PURCHASEFOODS==1, binomial level (90)

ci INNATURA\_URBAN if PURCHASEFOODS==2, binomial level (90)

tab MARITAL\_STATUS INNATURA\_URBAN, row chi2 exact

ci INNATURA\_URBAN if MARITAL\_STATUS==1, binomial level (90)

ci INNATURA\_URBAN if MARITAL\_STATUS==2, binomial level (90)

tab MATERNAL\_AGE INNATURA\_URBAN, row chi2 exact

ci INNATURA\_URBAN if MATERNAL\_AGE==1, binomial level (90)

ci INNATURA\_URBAN if MATERNAL\_AGE==2, binomial level (90)

ci INNATURA\_URBAN if MATERNAL\_AGE==3, binomial level (90)

tab SHORTSTATURE\_MATERNAL INNATURA\_URBAN, row chi2 exact

ci INNATURA\_URBAN if SHORTSTATURE\_MATERNAL==1, binomial level (90)

ci INNATURA\_URBAN if SHORTSTATURE\_MATERNAL==2, binomial level (90)

tab CHILD\_AGE INNATURA\_URBAN, row chi2 exact

ci INNATURA\_URBAN if CHILD\_AGE==1, binomial level (90)

ci INNATURA\_URBAN if CHILD\_AGE==2, binomial level (90)

tab SEX\_CHILDINNATURA\_URBAN, row chi2 exact

ci INNATURA\_URBAN if SEXO\_OK==1, binomial level (90)

ci INNATURA\_URBAN if SEXO\_OK==2, binomial level (90)

tab BIRTHWEIGHT INNATURA\_URBAN, row chi2 exact

ci INNATURA\_URBAN if BIRTHWEIGHT==1, binomial level (90)

ci INNATURA\_URBAN if BIRTHWEIGHT==2, binomial level (90)

//Processed culinary ingredients//

tab PLACE\_RESIDENCE CULINARY\_INGR, row chi2 exact

ci CULINARY\_INGR if PLACE\_RESIDENCE==1, binomial level (90)

ci CULINARY\_INGR if PLACE\_RESIDENCE==2, binomial level (90)

ci CULINARY\_INGR if PLACE\_RESIDENCE==3, binomial level (90)

tab N\_RESIDENTS CULINARY\_INGR, row chi2 exact

ci CULINARY\_INGR if N\_RESIDENTS==1, binomial level (90)

ci CULINARY\_INGR if N\_RESIDENTS==2, binomial level (90)

tab REGULAR\_INCOME CULINARY\_INGR, row chi2 exact

ci CULINARY\_INGR if REGULAR\_INCOME==1, binomial level (90)

ci CULINARY\_INGR if REGULAR\_INCOME==2, binomial level (90)

tab CASHTRANSFER CULINARY\_INGR, row chi2 exact

ci CULINARY\_INGR if CASHTRANSFER==1, binomial level (90)

ci CULINARY\_INGR if CASHTRANSFER==2, binomial level (90)

tab PURCHASEFOODS CULINARY\_INGR, row chi2 exact

ci CULINARY\_INGR if PURCHASEFOODS==1, binomial level (90)

ci CULINARY\_INGR if PURCHASEFOODS==2, binomial level (90)

tab MARITAL\_STATUS INNATURA\_URBAN, row chi2 exact

ci INNATURA\_URBAN if MARITAL\_STATUS==1, binomial level (90)

ci INNATURA\_URBAN if MARITAL\_STATUS==2, binomial level (90)

tab MATERNAL\_AGE CULINARY\_INGR, row chi2 exact

ci CULINARY\_INGR if MATERNAL\_AGE==1, binomial level (90)

ci CULINARY\_INGR if MATERNAL\_AGE==2, binomial level (90)

ci CULINARY\_INGR if MATERNAL\_AGE==3, binomial level (90)

tab SHORTSTATURE\_MATERNAL CULINARY\_INGR, row chi2 exact

ci CULINARY\_INGR if SHORTSTATURE\_MATERNAL==1, binomial level (90)

ci CULINARY\_INGR if SHORTSTATURE\_MATERNAL==2, binomial level (90)

tab CHILD\_AGE CULINARY\_INGR, row chi2 exact

ci CULINARY\_INGR if CHILD\_AGE==1, binomial level (90)

ci CULINARY\_INGR if CHILD\_AGE==2, binomial level (90)

tab SEX\_CHILDCULINARY\_INGR, row chi2 exact

ci CULINARY\_INGR if SEXO\_OK==1, binomial level (90)

ci CULINARY\_INGR if SEXO\_OK==2, binomial level (90)

tab BIRTHWEIGHT CULINARY\_INGR, row chi2 exact

ci CULINARY\_INGR if BIRTHWEIGHT==1, binomial level (90)

ci CULINARY\_INGR if BIRTHWEIGHT==2, binomial level (90)

//Processed foods//

tab PLACE\_RESIDENCE PROCESS, row chi2 exact

ci PROCESS if PLACE\_RESIDENCE==1, binomial level (90)

ci PROCESS if PLACE\_RESIDENCE==2, binomial level (90)

ci PROCESS if PLACE\_RESIDENCE==3, binomial level (90)

tab N\_RESIDENTS PROCESS, row chi2 exact

ci PROCESS if N\_RESIDENTS==1, binomial level (90)

ci PROCESS if N\_RESIDENTS==2, binomial level (90)

tab REGULAR\_INCOME PROCESS, row chi2 exact

ci PROCESS if REGULAR\_INCOME==1, binomial level (90)

ci PROCESS if REGULAR\_INCOME==2, binomial level (90)

tab CASHTRANSFER PROCESS, row chi2 exact

ci PROCESS if CASHTRANSFER==1, binomial level (90)

ci PROCESS if CASHTRANSFER==2, binomial level (90)

tab PURCHASEFOODS PROCESS, row chi2 exact

ci PROCESS if PURCHASEFOODS==1, binomial level (90)

ci PROCESS if PURCHASEFOODS==2, binomial level (90)

tab MARITAL\_STATUS PROCESS, row chi2 exact

ci PROCESS if MARITAL\_STATUS==1, binomial level (90)

ci PROCESS if MARITAL\_STATUS==2, binomial level (90)

tab MATERNAL\_AGE PROCESS, row chi2 exact

ci PROCESS if MATERNAL\_AGE==1, binomial level (90)

ci PROCESS if MATERNAL\_AGE==2, binomial level (90)

ci PROCESS if MATERNAL\_AGE==3, binomial level (90)

tab SHORTSTATURE\_MATERNAL PROCESS, row chi2 exact

ci PROCESS if SHORTSTATURE\_MATERNAL==1, binomial level (90)

ci PROCESS if SHORTSTATURE\_MATERNAL==2, binomial level (90)

tab CHILD\_AGE PROCESS, row chi2 exact

ci PROCESS if CHILD\_AGE==1, binomial level (90)

ci PROCESS if CHILD\_AGE==2, binomial level (90)

tab SEX\_CHILDPROCESS, row chi2 exact

ci PROCESS if SEXO\_OK==1, binomial level (90)

ci PROCESS if SEXO\_OK==2, binomial level (90)

tab BIRTHWEIGHT PROCESS, row chi2 exact

ci PROCESS if BIRTHWEIGHT==1, binomial level (90)

ci PROCESS if BIRTHWEIGHT==2, binomial level (90)

//Ultra-processed foods//

tab PLACE\_RESIDENCE ULTRAPROCESS, row chi2 exact

ci ULTRAPROCESS if PLACE\_RESIDENCE==1, binomial level (90)

ci ULTRAPROCESS if PLACE\_RESIDENCE==2, binomial level (90)

ci ULTRAPROCESS if PLACE\_RESIDENCE==3, binomial level (90)

tab N\_RESIDENTS ULTRAPROCESS, row chi2 exact

ci ULTRAPROCESS if N\_RESIDENTS==1, binomial level (90)

ci ULTRAPROCESS if N\_RESIDENTS==2, binomial level (90)

tab REGULAR\_INCOME ULTRAPROCESS, row chi2 exact

ci ULTRAPROCESS if REGULAR\_INCOME==1, binomial level (90)

ci ULTRAPROCESS if REGULAR\_INCOME==2, binomial level (90)

tab CASHTRANSFER ULTRAPROCESS, row chi2 exact

ci ULTRAPROCESS if CASHTRANSFER==1, binomial level (90)

ci ULTRAPROCESS if CASHTRANSFER==2, binomial level (90)

tab PURCHASEFOODS ULTRAPROCESS, row chi2 exact

ci ULTRAPROCESS if PURCHASEFOODS==1, binomial level (90)

ci ULTRAPROCESS if PURCHASEFOODS==2, binomial level (90)

tab MARITAL\_STATUS ULTRAPROCESS, row chi2 exact

ci ULTRAPROCESS if MARITAL\_STATUS==1, binomial level (90)

ci ULTRAPROCESS if MARITAL\_STATUS==2, binomial level (90)

tab MATERNAL\_AGE ULTRAPROCESS, row chi2 exact

ci ULTRAPROCESS if MATERNAL\_AGE==1, binomial level (90)

ci ULTRAPROCESS if MATERNAL\_AGE==2, binomial level (90)

ci ULTRAPROCESS if MATERNAL\_AGE==3, binomial level (90)

tab SHORTSTATURE\_MATERNAL ULTRAPROCESS, row chi2 exact

ci ULTRAPROCESS if SHORTSTATURE\_MATERNAL==1, binomial level (90)

ci ULTRAPROCESS if SHORTSTATURE\_MATERNAL==2, binomial level (90)

tab CHILD\_AGE ULTRAPROCESS, row chi2 exact

ci ULTRAPROCESS if CHILD\_AGE==1, binomial level (90)

ci ULTRAPROCESS if CHILD\_AGE==2, binomial level (90)

tab SEX\_CHILDULTRAPROCESS, row chi2 exact

ci ULTRAPROCESS if SEXO\_OK==1, binomial level (90)

ci ULTRAPROCESS if SEXO\_OK==2, binomial level (90)

tab BIRTHWEIGHT ULTRAPROCESS, row chi2 exact

ci ULTRAPROCESS if BIRTHWEIGHT==1, binomial level (90)

ci ULTRAPROCESS if BIRTHWEIGHT==2, binomial level (90)

\*\*\*Table 5. Crude and adjusted analysis of the association between consumption of ultra-processed foods and socioeconomic, demographic, maternal and individual characteristics\*\*\*

\*Poisson regression analysis with robust variances, estimating the crude and adjusted prevalence ratios with 90% CI\*

//Crude analisys//

poisson ULTRAPROCESS i.PLACE\_RESIDENCE, robust irr level (90)

poisson ULTRAPROCESS N\_RESIDENTS, robust irr level (90)

poisson ULTRAPROCESS REGULAR\_INCOME, robust irr level (90)

poisson ULTRAPROCESS CASHTRANSFER, robust irr level (90)

poisson ULTRAPROCESS PURCHASEFOODS, robust irr level (90)

poisson ULTRAPROCESS MARITAL\_STATUS, robust irr level (90)

poisson ULTRAPROCESS i.MATERNAL\_AGE, robust irr level (90)

poisson ULTRAPROCESS SHORTSTATURE\_MATERNAL, robust irr level (90)

poisson ULTRAPROCESS CHILD\_AGE, robust irr level (90)

poisson ULTRAPROCESS SEXO\_OK, robust irr level (90)

poisson ULTRAPROCESS BIRTHWEIGHT, robust irr level (90)

//Adjusted analisys//

\*Note: Variables with p-values <0.20 in the bivariate analysis were included in the multivariate analysis\*

poisson ULTRAPROCESS i.PLACE\_RESIDENCE CASHTRANSFER PURCHASEFOODS SHORTSTATURE\_MATERNAL BIRTHWEIGHT, robust irr level (90)