We request SAS code of the merge, log file, and PROC CONTENTS of the merged datasets. Also, we would like univariate frequencies of the following variables, all the years of the survey combined: SDDSRVYR, AGEGROUP, SEX, latitude of residence (North, South, missing), and season of MEC lab draw (Winter, Spring, Summer, Fall, missing).

Table 1: Weighted histogram of serum vitamin D levels in the sample population, NHANES 2003-2006. We will present 2 additional histograms by age group as well (e.g., 6–12 years old and 13–18 years old). **Total 3 tables.**
Histograms will be created from output that looks like this:

BMI Percentile	5	10	25	50	75	85	90	95
Vitamin D >=15ng/ml								
Vitamin D < 15ng/ml								

Table 2: Summary statistics of the weighted percentage breakdown for each covariate and the outcome (vitamin D deficiency) in the sample population of 6–18-year-old, NHANES 2003-2006.

Covariates	Vitamin D >= 15 ng/ml	Vitamin D < 15 ng/ml
Unweighted N		

Age
  6
  7
  8
  9
  10
  11
  12
  13
  14
  15
  16
  17
  18		

Sex
  Male
  Female		

Race/Ethnicity
  Non-Hispanic white,
  Non-Hispanic black,
  Mexican American,
  other races, including multiracial		

Poverty status <2.0 PIR ≥ 2.0 PIR		

Vitamin D Supplement Use
  Yes
  No		

Season
  Winter
  Spring
  Summer
  Fall		

Latitude		
North		
South		

Table 3: Results of any significant univariate analyses for vitamin D deficiency status and each covariate, presented in odds ratios, NHANES 2003-2006.

OR	Vitamin D >= 15 ng/ml	Vitamin D < 15 ng/ml
Age 6 7 8 9 10 11 12 13 14 15 16 17 18		
Sex Male Female		
Race/Ethnicity Non-Hispanic white, Non-Hispanic black, Mexican American, other races, including multiracial		
Vitamin D Supplement Use Yes No		
Season Winter Spring Summer Fall		
Latitude North South		

Table 4: Results of logistic regression analyses for vitamin D deficiency, adjusted for age, sex, race/ethnicity, poverty status, latitude of residence, season of exam, vitamin D supplement use presented as adjusted odds ratios. NHANES 2003-2006.

If any significant interactions are found, they will also be presented, with corresponding p-values.

	Vitamin D >= 15 ng/ml	Vitamin D < 15 ng/ml
BMI >95th Percentile Interactions:		