***Subsample A***

***Calculate dietary pattern scores (derived using both methods) on this subsample and examine associations between those scores and risk of being food insecure***

***Perform PCA on this subsample to extract dietary patterns (i.e., loadings matrix)***

Eligible for dietary patterns extraction via PCA

*n* = 433

***Subsample B***

*Indicates a step in the discovery phase of the analysis*

*Indicates a step in the validation phase of the analysis*

***Perform elastic net on this subsample to extract dietary patterns (i.e., coefficients from models)***

*Further Exclusions*

* Self-reported full or marginal food security (*n* = 2,884)

Cancer survivors eligible for dietary patterns extraction via elastic net and validation with logistic regression

*n* = 3,317

*Inclusion Criteria*

* Age ≥ 20 years
* Self-reported history of cancer

*Further Exclusions*

Missing covariate data: food security status, SNAP benefits status, age, and household size (*n* = 62)

Initial Survey Sample (1999-2018)

*n* = 101,316

Satisfied Inclusion Criteria

*n* = 5,166

Satisfied Exclusion Criteria

*n* = 3,379

*Exclusion Criteria*

* Not included in 24-hour recall survey sub sample (*n* = 1,207)
* Self-reported history of only a non-melanoma skin cancer diagnosis and no other cancer type (*n* = 576)
* Missing age at initial cancer diagnosis (*n*  = 4)