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Analysis of Environmental Chemical Mixtures and Non-Hodgkin Lymphoma Risk in the NCI-SEER NHL Study

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Table S1. Association between individual chemicals in carpet dust and non-Hodgkin lymphoma for all study sites combined.

Table S2. Association between individual chemicals in carpet dust and non-Hodgkin lymphoma by study site.

Figure S1. Pairwise correlations among the 27 chemical concentrations by type of chemical. There is a high level of correlation within PCBs and PAHs, while the correlations among pesticides and the correlations between chemical groups (intergroup) are lower.

Figure S2. Distribution of chemical concentrations among cases and controls combined in carpet dust by study site for selected chemicals. Boxes extend from the 25th to the 75th percentile, horizontal bars represent the median, and whiskers extend 1.5 times the length of the interquartile range (IQR) above and below the 75th and 25th percentiles, respectively.

Figure S3. Associations^a between non-Hodgkin lymphoma and weighted quantile sum regression index across the ten imputations for the study population and each study site.

^aEstimated odds ratio and 95% confidence interval (displayed as error bars) associated with a unit increase in the weighted quantile sum regression index. All models were adjusted for gender, race, education, and age. The model for the study population (i.e., the full data set) was also adjusted for study site.

Figure S4. Distribution of estimated weights for selected chemicals from the weighted quantile sum regression model of non-Hodgkin lymphoma in the study population and each study site.

Boxes extend from the 25th to the 75th percentile, horizontal bars represent the median, and whiskers extend 1.5 times the length of the interquartile range (IQR) above and below the 75th and 25th percentiles, respectively. The asterisk denotes the mean weight.