

Supplemental Material

Dust Weight and Asthma Prevalence in the National Survey of Lead and Allergens in Housing (NSLAH)

Leslie Elliott¹, Samuel J. Arbes¹, Eric S. Harvey², Robert C. Lee², Päivi M. Salo¹, Richard D. Cohn², Stephanie J. London¹, and Darryl C. Zeldin¹

¹Laboratory of Respiratory Biology, Division of Intramural Research, NIEHS, NIH, Research Triangle Park, NC

²Constella Group, LLC, Durham, NC

Corresponding Author:

Darryl C. Zeldin, M.D.
National Institute of Environmental Health Sciences
111 T.W. Alexander Drive, Building 101, D236
Research Triangle Park, NC 27709-2233
Phone: 919-541-1169
Fax: 919-541-4133
email: zeldin@niehs.nih.gov

Table S1. Dust Weight (mg) Summarized by Location and Levels of Factors

| Factor | Total | Bedroom Bed | | | Bedroom Floor | | | Living Room Floor | | | Living Room Upholstery | | | Kitchen Floor | | | Geometric mean | | | Maximum | | | |
|---------------------------------------|-------------------|----------------|-------------------|----------|----------------|-------------------|----------|-------------------|-------------------|----------|------------------------|-------------------|----------|----------------|-------------------|----------|----------------|-------------------|----------|----------------|-------------------|----------|--------|
| | Sample Size ** | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | |
| Household Income by 20K | | 770 | | | | | | | | | | | | | | | | | | | | | |
| | \$0-19,999 | 188 | 192.77 | 20.49 | | 430.73 | 57.72 | | 383.22 | 60.17 | | 300.44 | 46.48 | | 149.52 | 18.77 | | 276.02 | 28.28 | | 919.00 | 90.44 | |
| | \$20,000-39,999 | 227 | 187.98 | 19.45 | <.0001 | 348.93 | 38.09 | <.0001 | 317.04 | 29.69 | <.0001 | 292.62 | 34.34 | <.0001 | 99.98 | 15.13 | 0.0554 | 228.31 | 19.18 | <.0001 | 753.75 | 52.74 | <.0001 |
| | \$40,000-59,999 | 152 | 126.84 | 34.52 | | 257.34 | 26.92 | | 211.13 | 27.83 | | 247.20 | 28.17 | | 129.48 | 22.68 | | 177.11 | 23.63 | | 584.90 | 64.06 | |
| | \$60,000+ | 203 | 92.38 | 11.98 | | 151.60 | 25.12 | | 123.17 | 19.81 | | 140.42 | 16.72 | | 85.21 | 12.78 | | 116.12 | 12.58 | | 393.09 | 41.85 | |
| Season | | 829 | | | | | | | | | | | | | | | | | | | | | |
| | Winter | 195 | 155.51 | 35.49 | | 300.64 | 55.49 | | 245.73 | 47.16 | | 258.97 | 43.94 | | 124.57 | 25.34 | | 207.36 | 34.28 | | 744.53 | 113.59 | |
| | Summer | 286 | 128.94 | 32.01 | 0.3889 | 222.94 | 28.61 | 0.1221 | 198.95 | 32.55 | 0.1721 | 222.74 | 34.28 | 0.7588 | 93.01 | 12.74 | 0.3598 | 161.86 | 23.41 | 0.2309 | 538.58 | 66.06 | 0.2693 |
| | Fall | 348 | 182.46 | 21.86 | | 335.65 | 38.62 | | 301.12 | 34.08 | | 261.76 | 34.30 | | 122.35 | 17.61 | | 223.79 | 23.66 | | 697.61 | 68.98 | |
| Census Region | | 829 | | | | | | | | | | | | | | | | | | | | | |
| | Northeast | 155 | 154.74 | 22.86 | | 219.86 | 38.38 | | 148.76 | 27.39 | | 183.59 | 24.58 | | 107.14 | 20.03 | | 159.24 | 23.63 | | 467.08 | 58.42 | |
| | Midwest | 196 | 165.97 | 27.05 | 0.9605 | 228.11 | 26.77 | 0.0510 | 280.76 | 30.88 | 0.0251 | 326.08 | 57.96 | 0.0683 | 126.48 | 19.84 | 0.8096 | 207.59 | 23.84 | 0.4379 | 657.78 | 73.38 | 0.0496 |
| | South | 277 | 144.34 | 30.63 | | 327.91 | 42.54 | | 282.85 | 33.77 | | 228.85 | 32.79 | | 108.25 | 14.65 | | 199.89 | 25.18 | | 748.73 | 83.50 | |
| | West | 201 | 153.97 | 11.64 | | 334.33 | 44.23 | | 261.21 | 55.32 | | 267.62 | 40.70 | | 103.61 | 15.56 | | 210 | 20.41 | | 660.73 | 60.74 | |
| Urbanization | | 829 | | | | | | | | | | | | | | | | | | | | | |
| | MSA >= 1 million | 274 | 154.48 | 11.27 | | 233.52 | 24.23 | | 215.29 | 22.15 | | 194.43 | 20.13 | | 92.38 | 10.18 | | 169.11 | 12.36 | | 576.06 | 47.30 | |
| | MSA < 1 million | 417 | 155.01 | 16.03 | 0.9894 | 272.78 | 24.99 | 0.1260 | 229.19 | 21.71 | 0.2420 | 237.36 | 26.12 | 0.0458 | 97.79 | 10.65 | 0.0093 | 186.50 | 14.01 | 0.2982 | 614.73 | 36.07 | 0.2308 |
| | Non-MSA PSU | 138 | 147.83 | 45.50 | | 356.60 | 63.95 | | 320.76 | 67.29 | | 341.47 | 68.58 | | 175.48 | 30.91 | | 248.16 | 48.48 | | 806.28 | 141.20 | |
| Household Construction Year | | 829 | | | | | | | | | | | | | | | | | | | | | |
| | 1978-1998 | 220 | 116.99 | 18.87 | | 230.09 | 27.79 | | 213.87 | 21.64 | | 198.67 | 24.12 | | 92.66 | 11.15 | | 157.62 | 14.10 | | 515.42 | 45.68 | |
| | 1960-1977 | 267 | 124.57 | 12.97 | | 257.69 | 29.68 | | 211.40 | 23.63 | | 214.43 | 23.56 | | 82.91 | 8.50 | | 159.69 | 13.71 | | 549.80 | 45.09 | |
| | 1946-1959 | 141 | 182.20 | 30.73 | 0.0092 | 270.85 | 48.85 | 0.0070 | 274.74 | 51.02 | 0.1355 | 309.51 | 41.48 | 0.0268 | 121.23 | 19.75 | <.0001 | 225.18 | 28.73 | 0.0005 | 720.73 | 84.18 | <.0001 |
| | 1940-1945 | 44 | 243.82 | 57.42 | | 418.49 | 70.00 | | 372.71 | 100.41 | | 348.48 | 99.31 | | 235.90 | 49.32 | | 318.96 | 51.91 | | 1003.11 | 130.20 | |
| | 1939 or earlier | 157 | 257.80 | 37.92 | | 405.37 | 62.40 | | 300.26 | 50.95 | | 314.56 | 50.15 | | 172.04 | 21.96 | | 287.34 | 33.5 | | 961.79 | 100.09 | |
| How many stories, including basement? | | 825 | | | | | | | | | | | | | | | | | | | | | |
| | 1 story | 330 | 125.40 | 25.12 | | 308.88 | 40.89 | | 280.14 | 37.76 | | 257.21 | 32.28 | | 113.34 | 15.39 | | 194.83 | 25.78 | | 674.37 | 84.10 | |
| | 2-3 stories | 433 | 170.21 | 14.58 | 0.1013 | 263.04 | 25.87 | 0.5494 | 227.39 | 22.47 | 0.3895 | 238.54 | 23.76 | 0.8642 | 108.46 | 12.23 | 0.8724 | 194.93 | 14.00 | 0.9247 | 637.55 | 41.26 | 0.6742 |
| | 4 or more stories | 62 | 208.83 | 25.79 | | 254.41 | 40.62 | | 205.85 | 45.65 | | 233.38 | 49.59 | | 121.01 | 21.66 | | 191.06 | 23.97 | | 557.13 | 90.70 | |

| Factor | Total | Bedroom Bed | | | Bedroom Floor | | | Living Room Floor | | | Living Room Upholstery | | | Kitchen Floor | | | Geometric mean | | | Maximum | | |
|--------------------------------------|----------------|----------------|-------------------|----------|----------------|-------------------|----------|-------------------|-------------------|----------|------------------------|-------------------|----------|----------------|-------------------|----------|----------------|-------------------|----------|----------------|-------------------|----------|
| | Sample Size ** | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values |
| Main heating source in home? | 826 | | | | | | | | | | | | | | | | | | | | | |
| Electric | 230 | 148.07 | 18.02 | | 318.03 | 29.11 | | 254.71 | 28.68 | | 222.25 | 31.21 | | 99.49 | 9.25 | | 195.12 | 14.83 | | 666.75 | 51.46 | |
| Gas | 433 | 149.38 | 19.35 | 0.6756 | 261.62 | 30.33 | 0.3496 | 242.37 | 29.28 | 0.9052 | 255.13 | 28.91 | 0.7294 | 110.12 | 13.49 | 0.4736 | 189.87 | 20.14 | 0.8043 | 631.73 | 60.91 | 0.9031 |
| Other/none | 163 | 174.72 | 27.51 | | 275.48 | 43.92 | | 234.10 | 37.84 | | 256.49 | 34.46 | | 128.20 | 23.98 | | 205.4 | 28.07 | | 645.17 | 79.16 | |
| Does home have air conditioning? | 828 | | | | | | | | | | | | | | | | | | | | | |
| Air conditioning | 653 | 144.09 | 15.38 | 0.0619 | 261.05 | 19.51 | 0.0523 | 229.86 | 18.21 | 0.0544 | 238.58 | 21.03 | 0.3677 | 105.52 | 8.76 | 0.1475 | 182.72 | 13.14 | 0.0429 | 613.54 | 40.72 | 0.0841 |
| No air conditioning | 175 | 201.99 | 31.09 | | 379.62 | 65.63 | | 317.27 | 50.31 | | 275.52 | 39.48 | | 143.14 | 27.09 | | 256 | 34.29 | | 801.44 | 105.23 | |
| Air filtration device in home? | 810 | | | | | | | | | | | | | | | | | | | | | |
| Yes | 101 | 165.84 | 25.11 | 0.5303 | 244.56 | 34.81 | 0.3633 | 173.43 | 29.41 | 0.0299 | 222.96 | 34.45 | 0.5327 | 127.72 | 23.67 | 0.3631 | 186.46 | 21.30 | 0.5632 | 595.57 | 79.75 | 0.5767 |
| No | 709 | 150.57 | 15.06 | | 283.85 | 22.09 | | 254.29 | 19.97 | | 246.37 | 20.49 | | 107.66 | 8.54 | | 194.04 | 13.4 | | 645.83 | 39.71 | |
| Dehumidifiers used in home? | 813 | | | | | | | | | | | | | | | | | | | | | |
| Yes | 130 | 191.03 | 31.54 | 0.3003 | 203.75 | 24.22 | 0.0172 | 175.32 | 23.15 | 0.0083 | 310.83 | 62.52 | 0.1504 | 114.10 | 16.03 | 0.8626 | 188.37 | 18.65 | 0.6180 | 593.89 | 61.41 | 0.3959 |
| No | 683 | 152.70 | 15.75 | | 299.00 | 25.49 | | 262.54 | 21.67 | | 234.58 | 17.53 | | 110.92 | 9.74 | | 199.18 | 14.46 | | 660.79 | 43.29 | |
| Any pets currently in house? | 821 | | | | | | | | | | | | | | | | | | | | | |
| Yes | 400 | 142.10 | 18.55 | 0.2292 | 286.40 | 22.01 | 0.7295 | 289.21 | 30.71 | 0.0103 | 266.58 | 27.17 | 0.1586 | 124.76 | 12.74 | 0.0572 | 208.38 | 18.11 | 0.3629 | 679.82 | 52.54 | 0.3453 |
| No | 421 | 166.85 | 17.98 | | 276.61 | 26.39 | | 214.42 | 18.33 | | 228.81 | 20.65 | | 99.97 | 9.65 | | 184.48 | 14.08 | | 621.05 | 44.93 | |
| How many people live in house? | 829 | | | | | | | | | | | | | | | | | | | | | |
| 1 person | 125 | 200.01 | 29.81 | | 326.65 | 56.18 | | 262.00 | 42.88 | | 284.28 | 38.76 | | 134.19 | 23.46 | | 232.52 | 27.84 | | 666.27 | 82.64 | |
| 2 people | 253 | 176.69 | 27.50 | | 269.61 | 28.02 | | 242.47 | 21.70 | | 246.25 | 33.00 | | 100.18 | 13.49 | | 190.54 | 16.64 | | 684.81 | 52.59 | |
| 3 people | 171 | 106.29 | 14.51 | 0.0040 | 266.12 | 34.17 | 0.8605 | 216.48 | 24.87 | 0.7733 | 187.48 | 17.12 | 0.0236 | 106.60 | 12.41 | 0.3953 | 172.52 | 13.19 | 0.2079 | 545.74 | 40.36 | 0.0885 |
| 4 people | 165 | 138.48 | 22.40 | | 273.52 | 34.15 | | 258.63 | 36.53 | | 275.43 | 34.25 | | 124.54 | 14.12 | | 201.29 | 19.26 | | 677.97 | 60.52 | |
| > 4 people | 115 | 143.04 | 22.31 | | 273.96 | 46.33 | | 252.71 | 54.65 | | 259.93 | 51.73 | | 102.35 | 13.87 | | 181.08 | 31.05 | | 627.11 | 102.99 | |
| Household has children under age 18? | 826 | | | | | | | | | | | | | | | | | | | | | |
| Yes child < 18 | 397 | 127.25 | 14.68 | 0.0116 | 266.58 | 25.20 | 0.3938 | 248.92 | 30.12 | 0.8313 | 244.58 | 24.23 | 0.9222 | 116.57 | 10.23 | 0.5695 | 189.66 | 16.68 | 0.4936 | 615.38 | 51.71 | 0.3007 |
| No child <18 | 429 | 174.30 | 18.45 | | 290.28 | 22.70 | | 243.54 | 16.06 | | 247.43 | 23.88 | | 108.85 | 11.39 | | 199 | 12.72 | | 669.38 | 38.30 | |
| Household Race | 814 | | | | | | | | | | | | | | | | | | | | | |
| White | 622 | 147.17 | 15.95 | | 253.94 | 20.99 | | 232.86 | 20.59 | | 261.31 | 23.92 | | 111.70 | 10.42 | | 190.91 | 14.59 | | 614.46 | 41.02 | |
| Black | 116 | 201.82 | 29.69 | 0.1834 | 472.31 | 66.52 | 0.0010 | 387.17 | 65.75 | 0.0328 | 161.43 | 26.24 | 0.0563 | 137.20 | 11.71 | 0.0681 | 227.78 | 22.73 | 0.0672 | 830.46 | 105.87 | 0.1260 |
| Other | 76 | 151.48 | 33.90 | | 386.18 | 69.39 | | 201.87 | 55.44 | | 222.99 | 42.12 | | 83.46 | 18.24 | | 189.77 | 27.83 | | 730.99 | 96.35 | |
| Household Ethnicity | 820 | | | | | | | | | | | | | | | | | | | | | |
| Hispanic | 85 | 196.82 | 36.96 | 0.2243 | 390.48 | 86.14 | 0.1117 | 248.94 | 66.16 | 0.9016 | 270.78 | 76.18 | 0.6948 | 108.14 | 17.43 | 0.8425 | 219.57 | 35.65 | 0.2356 | 865.82 | 124.94 | 0.0336 |
| Non-hispanic | 735 | 150.41 | 15.12 | | 269.09 | 19.80 | | 241.06 | 17.20 | | 241.46 | 19.24 | | 112.18 | 9.73 | | 191.99 | 13.05 | | 624.75 | 37.04 | |

| Factor | Total | Bedroom Bed | | | Bedroom Floor | | | Living Room Floor | | | Living Room Upholstery | | | Kitchen Floor | | | Geometric mean | | | Maximum | | |
|---|----------------|----------------|-------------------|----------|----------------|-------------------|----------|-------------------|-------------------|----------|------------------------|-------------------|----------|----------------|-------------------|----------|----------------|-------------------|----------|----------------|-------------------|----------|
| | Sample Size ** | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values | Geometric Mean | Geometric mean SE | p-values |
| Education | 791 | | | | | | | | | | | | | | | | | | | | | |
| Less Than High School | 71 | 148.14 | 27.77 | | 289.17 | 67.80 | | 335.17 | 97.77 | | 331.08 | 51.65 | | 94.54 | 23.56 | | 214.45 | 36.05 | | 752.36 | 132.94 | |
| High School | 176 | 220.41 | 21.14 | <.0001 | 306.72 | 43.78 | 0.5003 | 320.90 | 44.71 | 0.0190 | 345.09 | 38.56 | 0.0003 | 124.42 | 20.64 | 0.4958 | 234.65 | 23.76 | 0.0115 | 759.88 | 80.67 | 0.0242 |
| College | 544 | 133.02 | 14.97 | | 256.36 | 18.34 | | 209.80 | 15.14 | | 209.26 | 19.24 | | 104.63 | 8.32 | | 175.01 | 10.43 | | 578.55 | 27.75 | |
| Does anyone in the home smoke cigarettes? | 825 | | | | | | | | | | | | | | | | | | | | | |
| Yes | 332 | 186.25 | 18.66 | 0.0220 | 331.98 | 31.88 | 0.0131 | 323.03 | 33.40 | <.0001 | 280.35 | 32.72 | 0.0548 | 125.74 | 12.72 | 0.0980 | 233.83 | 17.92 | <.0001 | 790.54 | 59.57 | 0.0003 |
| No | 493 | 135.58 | 16.35 | | 249.83 | 20.56 | | 205.55 | 17.07 | | 228.88 | 16.83 | | 103.07 | 10.07 | | 173.41 | 12.63 | | 567.71 | 37.3 | |
| Last time kitchen floor/carpet was cleaned? | 810 | | | | | | | | | | | | | | | | | | | | | |
| < One Week | 503 | 160.83 | 18.88 | 0.2343 | 270.54 | 27.28 | 0.9209 | 215.7 | 23.91 | 0.0623 | 243.16 | 23.13 | 0.7905 | 106.47 | 9.96 | 0.3896 | 187.82 | 15.63 | 0.6518 | 654.43 | 46.17 | 0.4118 |
| One week or > | 307 | 135.81 | 13.95 | | 274.35 | 23.25 | | 282.34 | 23.96 | | 236.06 | 21.38 | | 117.28 | 11.52 | | 196.96 | 14.02 | | 604.87 | 43.97 | |
| Last time living room floor/carpet was cleaned? | 797 | | | | | | | | | | | | | | | | | | | | | |
| < One Week | 484 | 149.22 | 19.63 | 0.9910 | 254.15 | 24.91 | 0.3904 | 213.82 | 18.39 | 0.0101 | 233.42 | 20.28 | 0.4606 | 101.78 | 8.10 | 0.2052 | 176.77 | 13.48 | 0.1302 | 612.52 | 43.26 | 0.4743 |
| One week or > | 313 | 149.47 | 11.23 | | 289.53 | 28.61 | | 281.46 | 27.64 | | 252.05 | 24.38 | | 117.41 | 12.2 | | 207.6 | 13.84 | | 652.45 | 42.79 | |
| Last time bedroom floor/carpet was cleaned? | 771 | | | | | | | | | | | | | | | | | | | | | |
| < One Week | 396 | 154.73 | 20.00 | 0.4872 | 244.79 | 24.96 | 0.1938 | 213.19 | 20.10 | 0.0834 | 234.23 | 21.05 | 0.8225 | 106.04 | 8.75 | 0.5534 | 177.54 | 14.26 | 0.4355 | 614.15 | 47.56 | 0.6690 |
| One week or > | 375 | 141.27 | 12.89 | | 292.89 | 26.82 | | 264.59 | 27.68 | | 240.24 | 24.3 | | 113.88 | 13.13 | | 199.44 | 16.36 | | 641.62 | 48.45 | |

** Actual sample size of available dust weight at each location may be less.

Table S2. Factors entered into linear regression models predicting dust weight for each location.

| Bedroom Dust Weight (mg) Summarized Levels of Factors | | | | | |
|--|-------------------|--------------------|-------------------|----------|--------|
| Factor | Total | Bedroom Bed | | | |
| | Sample Size ** | Geometric Mean | Geometric mean SE | p-values | |
| Household Income by 20K | | 723 | | | |
| | \$0-19,999 | 169 | 192.77 | 20.49 | 0.0008 |
| | \$20,000-39,999 | 219 | 187.98 | 19.45 | |
| | \$40,000-59,999 | 143 | 126.874 | 34.52 | |
| | \$60,000+ | 192 | 92.38 | 11.98 | |
| Season | | 784 | | | |
| | Winter | 189 | 155.51 | 35.49 | 0.4515 |
| | Summer | 276 | 128.94 | 32.01 | |
| | Fall | 319 | 182.46 | 21.86 | |
| Census Region | | 781 | | | |
| | Northeast | 148 | 154.74 | 22.86 | 0.9355 |
| | Midwest | 184 | 165.97 | 27.05 | |
| | South | 265 | 144.34 | 30.63 | |
| | West | 184 | 153.97 | 11.64 | |
| Household Construction Year | | 781 | | | |
| | 1978-1998 | 210 | 116.99 | 18.87 | 0.0334 |
| | 1960-1977 | 254 | 124.57 | 12.97 | |
| | 1946-1959 | 131 | 182.20 | 30.73 | |
| | 1940-1945 | 41 | 243.82 | 57.42 | |
| | 1939 or earlier | 145 | 257.80 | 37.92 | |
| How many stories, including basement? | | 778 | | | |
| | 1 story | 314 | 125.74 | 25.12 | 0.3827 |
| | 2-3 stories | 412 | 170.21 | 14.58 | |
| | 4 or more stories | 52 | 208.83 | 25.79 | |
| Main heating source in home? | | 778 | | | |
| | Electric | 219 | 148.07 | 18.02 | 0.9754 |
| | Gas | 407 | 149.38 | 19.35 | |
| | Other/none | 152 | 174.72 | 27.51 | |

| | | | | | |
|---|-----------------------|-----|--------|-------|--------|
| Air conditioning system in home? | | 780 | | | |
| | Air conditioning | 620 | 144.09 | 15.38 | 0.0502 |
| | No air conditioning | 160 | 201.99 | 31.09 | |
| Any pets currently in house? | | 773 | | | |
| | Yes | 378 | 142.10 | 18.55 | 0.2403 |
| | No | 395 | 166.85 | 17.98 | |
| Air filtration device in home? | | 764 | | | |
| | Yes | 94 | 165.84 | 25.11 | 0.3186 |
| | No | 670 | 150.57 | 15.06 | |
| Dehumidifiers used in home? | | 765 | | | |
| | Yes | 128 | 191.03 | 31.54 | 0.2008 |
| | No | 637 | 152.70 | 15.75 | |
| How many people live in house? | | 781 | | | |
| | 1 person | 109 | 200.01 | 29.81 | 0.0019 |
| | 2 people | 236 | 176.69 | 27.50 | |
| | 3 people | 162 | 106.29 | 14.51 | |
| | 4 people | 161 | 138.48 | 22.40 | |
| | > 4 people | 113 | 143.04 | 22.31 | |
| Does anyone in the home smoke cigarettes? | | 777 | | | |
| | Yes | 312 | 186.25 | 18.66 | 0.2071 |
| | No | 465 | 135.58 | 16.35 | |
| Household Race | | 766 | | | |
| | White | 588 | 147.17 | 15.95 | 0.0554 |
| | Black | 108 | 201.82 | 29.69 | |
| | Other | 70 | 151.48 | 33.90 | |
| Household Ethnicity | | 773 | | | |
| | Hispanic | 81 | 196.82 | 36.96 | 0.7866 |
| | Non-hispanic | 692 | 150.41 | 15.12 | |
| Education | | 745 | | | |
| | Less Than High School | 65 | 148.14 | 27.77 | 0.0147 |
| | High School | 165 | 220.41 | 21.14 | |
| | College | 515 | 133.02 | 14.97 | |

| | | | | | | |
|--|--------------------------|-----|--------|--------|--------|--|
| Urbanization | | 781 | | | | |
| | MSA >= 1 million | 250 | 154.48 | 11.27 | | |
| | MSA < 1 million | 400 | 155.01 | 16.03 | 0.9818 | |
| | Non-MSA PSU | 131 | 147.83 | 45.50 | | |
| Household has children under age 18? | | 778 | | | | |
| | Yes child < 18 | 386 | 127.25 | 14.68 | | |
| | No child <18 | 392 | 174.30 | 18.45 | 0.0837 | |
| Bedroom Floor | | 749 | | | | |
| | Carpeted | 565 | 143.34 | 13.4 | | |
| | Smooth and Cleanable | 174 | 168.53 | 26.15 | 0.0038 | |
| | Not Smooth and Cleanable | 10 | 585.56 | 246.33 | | |
| Bedroom Mat | | 765 | | | | |
| | No | 747 | 151.02 | 13.87 | | |
| | Yes | 18 | 257.59 | 97.19 | 0.1191 | |
| Bedroom Area Rug | | 765 | | | | |
| | No | 690 | 149.13 | 15.15 | | |
| | Yes | 75 | 194.68 | 42.59 | 0.1963 | |
| Bedroom Wall-to-Wall Carpet | | 765 | | | | |
| | No | 189 | 195.75 | 25.58 | | |
| | Yes | 576 | 142.43 | 14.57 | 0.0167 | |
| No Carpet in Bedroom | | 765 | | | | |
| | No | 647 | 146.59 | 14.53 | | |
| | Yes | 118 | 204.61 | 30.22 | 0.0399 | |
| Observed impremeable pillow or mattres covers? | | 757 | | | | |
| | Yes | 194 | 69.31 | 16.3 | | |
| | No | 563 | 194.73 | 16.94 | 0.0002 | |
| Use impermeable pillow or mattress covers? | | 773 | | | | |
| | Yes | 30 | 138.74 | 38.97 | | |
| | No | 743 | 153.15 | 14.57 | 0.9023 | |
| Last time bedroom floor/carpet was cleaned? | | 737 | | | | |
| | < One Week | 377 | 154.73 | 20.00 | | |
| | One week or > | 360 | 141.27 | 12.89 | 0.7451 | |

| | | | | | |
|--|---------|-----|--------|-------|--------|
| Bedding washed within last week | | 729 | | | |
| | Yes | 523 | 144.61 | 19.55 | 0.3398 |
| | No | 206 | 179.17 | 18.59 | |
| Water temperature when washing bedding | | 736 | | | |
| | Hot | 249 | 193.18 | 24.66 | 0.0852 |
| | Warm | 348 | 139.15 | 15.82 | |
| | Cold | 139 | 136.56 | 18.62 | |
| Temperature in Bedroom (F) | | 763 | | | |
| | < 65 | 30 | 171.52 | 40.11 | 0.7097 |
| | 65 - 74 | 294 | 169.77 | 18.59 | |
| | 75 - 84 | 389 | 148.05 | 17.59 | |
| | > = 84 | 50 | 97.01 | 68.46 | |
| Humidity in Bedroom (%) | | 768 | | | |
| | < 40 | 136 | 174.73 | 68.3 | 0.3677 |
| | 40 - 49 | 247 | 163.89 | 18.64 | |
| | 50 - 59 | 176 | 168.12 | 19.74 | |
| | 60 - 69 | 143 | 126.55 | 15.25 | |
| | > = 70 | 66 | 97.47 | 23.84 | |
| Observed Moisture in the Bedroom | | 774 | | | |
| | Yes | 59 | 375.72 | 98.25 | 0.0028 |
| | No | 715 | 142.65 | 14.05 | |
| Stuffed Animals found on the bed | | 756 | | | |
| | Yes | 190 | 103.79 | 12.21 | 0.0001 |
| | No | 566 | 176.02 | 17.25 | |
| Carpet In the Bedroom | | 765 | | | |
| | Yes | 644 | 146.67 | 14.55 | 0.0446 |
| | No | 121 | 202.23 | 29.58 | |

** Actual sample size of available dust weight at each location may be less.

Bedroom Floor Dust Weight (mg) Summarized by Levels of Factors

| Factor | Total | Bedroom Floor | | | |
|--|---------------------|----------------------|-------------------|----------|--------|
| | Sample Size ** | Geometric Mean | Geometric mean SE | p-values | |
| Household Income by 20K | | 725 | | | |
| | \$0-19,999 | 168 | 430.73 | 57.72 | <.0001 |
| | \$20,000-39,999 | 217 | 348.93 | 38.09 | |
| | \$40,000-59,999 | 146 | 257.34 | 26.92 | |
| | \$60,000+ | 194 | 151.60 | 25.12 | |
| Season | | 784 | | | |
| | Winter | 188 | 300.64 | 55.49 | 0.1221 |
| | Summer | 276 | 222.94 | 28.61 | |
| | Fall | 320 | 335.65 | 38.62 | |
| Census Region | | 784 | | | |
| | Northeast | 148 | 219.86 | 38.38 | 0.0510 |
| | Midwest | 184 | 228.11 | 26.77 | |
| | South | 269 | 327.91 | 42.54 | |
| | West | 183 | 334.33 | 44.23 | |
| Household Construction Year | | 784 | | | |
| | 1978-1998 | 213 | 230.09 | 27.79 | 0.0070 |
| | 1960-1977 | 255 | 257.69 | 29.68 | |
| | 1946-1959 | 131 | 270.85 | 48.85 | |
| | 1940-1945 | 41 | 418.49 | 70.00 | |
| | 1939 or earlier | 144 | 405.37 | 62.40 | |
| How many stories, including basement? | | 781 | | | |
| | 1 story | 311 | 308.88 | 40.89 | 0.5494 |
| | 2-3 stories | 418 | 263.04 | 25.87 | |
| | 4 or more stories | 52 | 254.41 | 40.62 | |
| Main heating source in home? | | 781 | | | |
| | Electric | 220 | 318.03 | 29.11 | 0.3496 |
| | Gas | 408 | 261.62 | 30.33 | |
| | Other/none | 153 | 275.48 | 43.92 | |
| Does home have air conditioning? | | 783 | | | |
| | Air conditioning | 624 | 261.05 | 19.51 | 0.0523 |
| | No air conditioning | 159 | 379.62 | 65.63 | |
| Any pets currently in house? | | 776 | | | |
| | Yes | 382 | 286.40 | 22.01 | 0.7295 |
| | No | 394 | 276.61 | 26.39 | |

| | | | | | |
|---|--------------|-----|--------|-------|--------|
| Air filtration device in home? | | 766 | | | |
| | Yes | 98 | 244.56 | 34.81 | 0.3633 |
| | No | 668 | 283.85 | 22.09 | |
| Dehumidifiers used in home? | | 768 | | | |
| | Yes | 127 | 203.75 | 24.22 | 0.0172 |
| | No | 641 | 299.00 | 25.49 | |
| How many people live in house? | | 784 | | | |
| | 1 person | 110 | 326.65 | 56.18 | 0.8605 |
| | 2 people | 240 | 269.61 | 28.02 | |
| | 3 people | 164 | 266.12 | 34.17 | |
| | 4 people | 159 | 273.52 | 34.15 | |
| | > 4 people | 111 | 273.96 | 46.33 | |
| Does anyone in the home smoke cigarettes? | | 780 | | | |
| | Yes | 313 | 331.98 | 31.88 | 0.0131 |
| | No | 467 | 249.83 | 20.56 | |
| Household Race | | 770 | | | |
| | White | 590 | 253.94 | 20.99 | 0.0010 |
| | Black | 108 | 472.31 | 66.52 | |
| | Other | 72 | 386.18 | 69.39 | |
| Household Ethnicity | | 776 | | | |
| | Hispanic | 80 | 390.48 | 86.14 | 0.1117 |
| | Non-hispanic | 696 | 269.09 | 19.80 | |

| | | | | | | |
|---|--------------------------|-----|--------|--------|--------|--|
| Education | | 748 | | | | |
| | Less Than High School | 63 | 289.17 | 67.80 | | |
| | High School | 167 | 306.72 | 43.78 | 0.5003 | |
| | College | 518 | 256.36 | 18.34 | | |
| Urbanization | | 784 | | | | |
| | MSA >= 1 million | 256 | 233.52 | 24.23 | | |
| | MSA < 1 million | 400 | 272.78 | 24.99 | 0.1260 | |
| | Non-MSA PSU | 128 | 356.60 | 63.95 | | |
| Household has children under age 18? | | 781 | | | | |
| | Yes child < 18 | 382 | 266.58 | 25.20 | | |
| | No child <18 | 399 | 290.28 | 22.70 | 0.3938 | |
| Bedroom Floor | | 753 | | | | |
| | Carpeted | 568 | 314.13 | 23.61 | | |
| | Smooth and Cleanable | 175 | 176.62 | 26.94 | 0.0012 | |
| | Not Smooth and Cleanable | 10 | 494.01 | 231.49 | | |
| Bedroom Mat | | 769 | | | | |
| | No | 751 | 277.06 | 19.38 | | |
| | Yes | 18 | 390.10 | 166.72 | 0.4120 | |
| Bedroom Area Rug | | 769 | | | | |
| | No | 693 | 267.85 | 19.85 | | |
| | Yes | 76 | 409.75 | 68.77 | 0.0140 | |
| Bedroom Wall-to-Wall Carpet | | 769 | | | | |
| | No | 187 | 210.60 | 27.84 | | |
| | Yes | 582 | 303.52 | 25.34 | 0.0191 | |
| No Carpet in Bedroom | | 769 | | | | |
| | No | 654 | 310.41 | 24.82 | | |
| | Yes | 115 | 137.04 | 24.13 | 0.0001 | |
| Last time bedroom floor/carpet was cleaned? | | 741 | | | | |
| | < One Week | 383 | 244.79 | 24.96 | | |
| | One week or > | 358 | 292.89 | 26.82 | 0.1938 | |

| | | | | | |
|----------------------------------|---------|-----|--------|--------|--------|
| Temperature in Bedroom (F) | | 768 | | | |
| | < 65 | 31 | 334.38 | 66.31 | 0.8075 |
| | 65 - 74 | 295 | 277.60 | 28.03 | |
| | 75 - 84 | 391 | 274.26 | 26.79 | |
| | > = 84 | 51 | 284.46 | 65.83 | |
| Humidity in Bedroom (%) | | 772 | | | |
| | < 40 | 138 | 452.49 | 84 | 0.0157 |
| | 40 - 49 | 246 | 278.29 | 24.94 | |
| | 50 - 59 | 174 | 252.14 | 33.31 | |
| | 60 - 69 | 147 | 203.24 | 23.56 | |
| | > = 70 | 67 | 245.14 | 35 | |
| Observed Moisture in the Bedroom | | 777 | | | |
| | Yes | 55 | 583.07 | 151.34 | 0.0033 |
| | No | 722 | 266.03 | 18.03 | |
| Carpet In the Bedroom | | 769 | | | |
| | Yes | 651 | 310.50 | 24.83 | <.0001 |
| | No | 118 | 139.52 | 23.27 | |

** Actual sample size of available dust weight at each location may be less.

| Kitchen Floor Dust Weight (mg) Summarized by Levels of Factors | | | | | |
|---|-------------------|----------------------|-------------------|----------|--------|
| Factor | Total | Kitchen Floor | | | |
| | Sample Size ** | Geometric Mean | Geometric mean SE | p-values | |
| Household Income by 20K | | 736 | | | |
| | \$0-19,999 | 175 | 149.52 | 18.77 | 0.0249 |
| | \$20,000-39,999 | 218 | 99.98 | 15.13 | |
| | \$40,000-59,999 | 149 | 129.48 | 22.68 | |
| | \$60,000+ | 194 | 85.21 | 12.78 | |
| Season | | 794 | | | |
| | Winter | 189 | 124.57 | 25.34 | 0.3697 |
| | Summer | 275 | 93.01 | 12.74 | |
| | Fall | 330 | 122.35 | 17.61 | |
| Census Region | | 794 | | | |
| | Northeast | 148 | 107.14 | 20.03 | 0.8854 |
| | Midwest | 189 | 126.48 | 19.84 | |
| | South | 268 | 108.25 | 14.65 | |
| | West | 189 | 103.61 | 15.56 | |
| Household Construction Year | | 794 | | | |
| | 1978-1998 | 210 | 92.66 | 11.15 | <.0001 |
| | 1960-1977 | 254 | 82.91 | 8.50 | |
| | 1946-1959 | 132 | 121.23 | 19.75 | |
| | 1940-1945 | 44 | 235.90 | 49.32 | |
| | 1939 or earlier | 154 | 172.04 | 21.96 | |
| How many stories, including basement? | | 790 | | | |
| | 1 story | 315 | 113.34 | 15.39 | 0.7307 |
| | 2-3 stories | 417 | 108.46 | 12.23 | |
| | 4 or more stories | 58 | 121.01 | 21.66 | |

| | | | | | |
|---|---------------------|-----|--------|-------|--------|
| Main heating source in home? | | 791 | | | |
| | Electric | 216 | 99.49 | 9.25 | |
| | Gas | 420 | 110.12 | 13.49 | 0.4541 |
| | Other/none | 155 | 128.20 | 23.98 | |
| Does home have air conditioning? | | 793 | | | |
| | Air conditioning | 626 | 105.52 | 8.76 | |
| | No air conditioning | 167 | 143.14 | 27.09 | 0.1345 |
| Any pets currently in house? | | 786 | | | |
| | Yes | 384 | 124.76 | 12.74 | |
| | No | 402 | 99.97 | 9.65 | 0.0345 |
| Air filtration device in home? | | 775 | | | |
| | Yes | 93 | 127.72 | 23.67 | |
| | No | 682 | 107.66 | 8.54 | 0.2221 |
| Dehumidifiers used in home? | | 779 | | | |
| | Yes | 125 | 114.10 | 16.03 | |
| | No | 654 | 110.92 | 9.74 | 0.8697 |
| How many people live in house? | | 794 | | | |
| | 1 person | 116 | 134.19 | 23.46 | |
| | 2 people | 242 | 100.18 | 13.49 | |
| | 3 people | 162 | 106.60 | 12.41 | 0.5486 |
| | 4 people | 162 | 124.54 | 14.12 | |
| | > 4 people | 112 | 102.35 | 13.87 | |
| Does anyone in the home smoke cigarettes? | | 790 | | | |
| | Yes | 319 | 125.74 | 12.72 | |
| | No | 471 | 103.07 | 10.07 | 0.4195 |
| Household Race | | 780 | | | |
| | White | 597 | 111.70 | 10.42 | |
| | Black | 110 | 137.20 | 11.71 | 0.0255 |
| | Other | 73 | 83.46 | 18.24 | |
| Household Ethnicity | | 785 | | | |
| | Hispanic | 83 | 108.14 | 17.43 | |
| | Non-hispanic | 702 | 112.18 | 9.73 | 0.2629 |

| | | | | | | |
|---|--------------------------|-----|--------|-------|--------|--|
| Education | | 756 | | | | |
| | Less Than High School | 66 | 94.54 | 23.56 | | |
| | High School | 171 | 124.42 | 20.64 | 0.2529 | |
| | College | 519 | 104.63 | 8.32 | | |
| Urbanization | | 794 | | | | |
| | MSA >= 1 million | 266 | 92.38 | 10.18 | | |
| | MSA < 1 million | 395 | 97.79 | 10.65 | 0.0029 | |
| | Non-MSA PSU | 133 | 175.48 | 30.91 | | |
| Household has children under age 18? | | 791 | | | | |
| | Yes child < 18 | 383 | 116.57 | 10.23 | | |
| | No child <18 | 408 | 108.85 | 11.39 | 0.5856 | |
| Kitchen Floor | | 770 | | | | |
| | Carpeted | 56 | 349.94 | 65.84 | | |
| | Smooth and Cleanable | 686 | 99.68 | 7.14 | <.0001 | |
| | Not Smooth and Cleanable | 28 | 127.19 | 59.77 | | |
| Kitchen Mat | | 781 | | | | |
| | No | 688 | 106.02 | 8.45 | | |
| | Yes | 93 | 154.06 | 26.68 | 0.2142 | |
| Kitchen Area Rug | | 781 | | | | |
| | No | 714 | 104.28 | 8.22 | | |
| | Yes | 67 | 207.08 | 41.25 | 0.0005 | |
| Kitchen Wall-to-Wall Carpet | | 781 | | | | |
| | No | 739 | 102.22 | 7.08 | | |
| | Yes | 42 | 415.12 | 75.34 | <.0001 | |
| No Carpet in Kitchen | | 781 | | | | |
| | No | 186 | 192.97 | 24.58 | | |
| | Yes | 595 | 92.08 | 6.76 | <.0001 | |
| Last time kitchen floor/carpet was cleaned? | | 778 | | | | |
| | < One Week | 482 | 106.47 | 9.96 | | |
| | One week or > | 296 | 117.28 | 11.52 | 0.3101 | |

| | | | | | |
|----------------------------------|---------|-----|--------|-------|--------|
| Temperature in Kitchen (F) | | 785 | | | |
| | < 65 | 62 | 146.84 | 36.27 | 0.9527 |
| | 65 - 74 | 302 | 108.12 | 14.58 | |
| | 75 - 84 | 354 | 111.61 | 11.94 | |
| | > = 84 | 67 | 101.13 | 21.59 | |
| Humidity in Kitchen (%) | | 789 | | | |
| | < 40 | 166 | 160.39 | 22.94 | 0.0072 |
| | 40 - 49 | 236 | 108.33 | 11.78 | |
| | 50 - 59 | 191 | 104.81 | 13.57 | |
| | 60 - 69 | 123 | 84.43 | 12.73 | |
| | > = 70 | 73 | 101.67 | 24.74 | |
| Observed Moisture in the Kitchen | | 793 | | | |
| | Yes | 156 | 218.84 | 46.13 | 0.0012 |
| | No | 637 | 95.41 | 7.48 | |
| Carpet In the Kitchen | | 781 | | | |
| | Yes | 191 | 194.13 | 24.04 | <.0001 |
| | No | 590 | 91.31 | 6.68 | |

** Actual sample size of available dust weight at each location may be less.

Living Room Floor Dust Weight (mg) Summarized by Levels of Factors

| Factor | Total | Living Room Floor | | |
|--|-------------------|--------------------------|-------------------|----------|
| | Sample Size ** | Geometric Mean | Geometric mean SE | p-values |
| Household Income by 20K | | | | |
| \$0-19,999 | 175 | 383.22 | 60.17 | <.0001 |
| \$20,000-39,999 | 216 | 317.04 | 29.69 | |
| \$40,000-59,999 | 141 | 211.13 | 27.83 | |
| \$60,000+ | 189 | 123.17 | 19.81 | |
| Season | | | | |
| Winter | 181 | 245.73 | 47.16 | 0.2332 |
| Summer | 275 | 198.95 | 32.55 | |
| Fall | 323 | 301.12 | 34.08 | |
| Census Region | | | | |
| Northeast | 146 | 148.76 | 27.39 | 0.0805 |
| Midwest | 189 | 280.76 | 30.88 | |
| South | 257 | 282.85 | 33.77 | |
| West | 187 | 261.21 | 55.32 | |
| Household Construction Year | | | | |
| 1978-1998 | 201 | 213.87 | 21.64 | 0.0674 |
| 1960-1977 | 253 | 211.40 | 23.63 | |
| 1946-1959 | 134 | 274.74 | 51.02 | |
| 1940-1945 | 43 | 372.71 | 100.41 | |
| 1939 or earlier | 148 | 300.26 | 50.95 | |
| How many stories, including basement? | | | | |
| 1 story | 307 | 280.14 | 37.76 | 0.2757 |
| 2-3 stories | 409 | 227.39 | 22.47 | |
| 4 or more stories | 60 | 205.85 | 45.65 | |

| | | | | | |
|--|---------------------|-----|--------|-------|--------|
| Main heating source in home? | | | | | |
| | Electric | 217 | 254.71 | 28.68 | 0.7426 |
| | Gas | 405 | 242.37 | 29.28 | |
| | Other/none | 154 | 234.10 | 37.84 | |
| Does home have air conditioning? | | | | | |
| | Air conditioning | 614 | 229.86 | 18.21 | 0.0260 |
| | No air conditioning | 164 | 317.27 | 50.31 | |
| Any pets currently in house? | | | | | |
| | Yes | 371 | 289.21 | 30.71 | 0.0091 |
| | No | 400 | 214.42 | 18.33 | |
| Air filtration device in home? | | | | | |
| | Yes | 97 | 173.43 | 29.41 | 0.0958 |
| | No | 664 | 254.29 | 19.97 | |
| Dehumidifiers used in home? | | | | | |
| | Yes | 123 | 175.32 | 23.15 | 0.0439 |
| | No | 643 | 262.54 | 21.67 | |
| How many people live in house? | | | | | |
| | 1 person | 119 | 262.00 | 42.88 | 0.7018 |
| | 2 people | 239 | 242.47 | 21.70 | |
| | 3 people | 158 | 216.48 | 24.87 | |
| | 4 people | 156 | 258.63 | 36.53 | |
| | > 4 people | 107 | 252.71 | 54.65 | |
| Does anyone in the home smoke cigarettes? | | | | | |
| | Yes | 311 | 323.03 | 33.40 | 0.0073 |
| | No | 464 | 205.55 | 17.07 | |
| Household Race | | | | | |
| | White | 584 | 232.86 | 20.59 | 0.1142 |
| | Black | 110 | 387.17 | 65.75 | |
| | Other | 70 | 201.87 | 55.44 | |
| Household Ethnicity | | | | | |
| | Hispanic | 78 | 248.94 | 66.16 | 0.7029 |
| | Non-hispanic | 693 | 241.06 | 17.20 | |

| | | | | | |
|---|--------------------------|-----|--------|--------|--------|
| Education | | | | | |
| | Less Than High School | 511 | 209.80 | 15.14 | 0.0240 |
| | High School | 167 | 320.90 | 44.71 | |
| | College | 64 | 335.17 | 97.77 | |
| Urbanization | | | | | |
| | MSA >= 1 million | 259 | 215.29 | 22.15 | 0.1388 |
| | MSA < 1 million | 389 | 229.19 | 21.71 | |
| | Non-MSA PSU | 131 | 320.76 | 67.29 | |
| Household has children under age 18? | | | | | |
| | Yes child < 18 | 367 | 248.92 | 30.12 | 0.7678 |
| | No child <18 | 409 | 243.54 | 16.06 | |
| Living Room Floor | | | | | |
| | Carpeted | 572 | 284.9 | 21.86 | 0.0018 |
| | Smooth and Cleanable | 176 | 139.39 | 20.86 | |
| | Not Smooth and Cleanable | 5 | 167.44 | 121.58 | |
| Living Room Mat | | | | | |
| | No | 756 | 238.77 | 18.73 | 0.0015 |
| | Yes | 19 | 506.46 | 113.99 | |
| Living Room Area Rug | | | | | |
| | No | 642 | 239.24 | 21.1 | 0.3287 |
| | Yes | 133 | 264.55 | 41.27 | |
| Living Room Wall-to-Wall Carpet | | | | | |
| | No | 197 | 157.06 | 23.69 | 0.0029 |
| | Yes | 578 | 283.07 | 23.25 | |
| No Carpet in Living Room | | | | | |
| | No | 681 | 271.86 | 19.47 | 0.0002 |
| | Yes | 94 | 104.46 | 24.48 | |
| Last time Living Room floor/carpet cleaned | | | | | |
| | < One Week | 463 | 213.82 | 18.39 | 0.0120 |
| | One week or > | 299 | 281.46 | 27.64 | |

| | | | | | |
|---|-------------------|-----|--------|--------|--------|
| Last time Living Room Upholstery Cleaned | | | | | |
| | 1-4 Weeks | 18 | 205.82 | 72.92 | 0.1685 |
| | One Month or More | 175 | 294.41 | 37.42 | |
| | Never | 486 | 226.12 | 21.36 | |
| Temperature in Living Room (F) | | | | | |
| | < 65 | 46 | 295.64 | 73.33 | 0.6006 |
| | 65 - 74 | 312 | 239.5 | 28.41 | |
| | 75 - 84 | 354 | 239.15 | 23.55 | |
| | > = 84 | 59 | 270.45 | 67.74 | |
| Humidity in Living Room (%) | | | | | |
| | < 40 | 164 | 294.49 | 69.8 | 0.6466 |
| | 40 - 49 | 232 | 241.42 | 29.93 | |
| | 50 - 59 | 194 | 254.05 | 23.66 | |
| | 60 - 69 | 119 | 197.05 | 20.81 | |
| | > = 70 | 66 | 191.69 | 39.72 | |
| Observed Moisture in the Living Room | | | | | |
| | Yes | 48 | 553.28 | 177.99 | 0.0061 |
| | No | 721 | 232.5 | 17.51 | |
| Carpet In the Living Room | | | | | |
| | Yes | 681 | 272.51 | 19.54 | 0.0001 |
| | No | 94 | 103.05 | 24.03 | |

** Actual sample size of available dust weight at each location may be less.

Living Room Upholstery Dust Weight (mg) Summarized by Levels of Factors

| Factor | | Total | Living Room Upholstery | | |
|--|-------------------|-------------------|-------------------------------|-------------------|----------|
| | | Sample Size ** | Geometric Mean | Geometric mean SE | p-values |
| Household Income by 20K | | | | | |
| | \$0-19,999 | 168 | 300.44 | 46.48 | <0.0001 |
| | \$20,000-39,999 | 212 | 292.62 | 34.34 | |
| | \$40,000-59,999 | 142 | 247.20 | 28.17 | |
| | \$60,000+ | 182 | 140.42 | 16.72 | |
| Season | | | | | |
| | Winter | 173 | 258.97 | 43.94 | 0.5301 |
| | Summer | 273 | 222.74 | 34.28 | |
| | Fall | 312 | 261.76 | 34.30 | |
| Census Region | | | | | |
| | Northeast | 144 | 183.59 | 24.58 | 0.0269 |
| | Midwest | 182 | 326.08 | 57.96 | |
| | South | 252 | 228.85 | 32.79 | |
| | West | 180 | 267.62 | 40.70 | |
| Household Construction Year | | | | | |
| | 1978-1998 | 201 | 198.67 | 24.12 | 0.0211 |
| | 1960-1977 | 241 | 214.43 | 23.56 | |
| | 1946-1959 | 134 | 309.51 | 41.48 | |
| | 1940-1945 | 42 | 348.48 | 99.31 | |
| | 1939 or earlier | 140 | 314.56 | 50.15 | |
| How many stories, including basement? | | | | | |
| | 1 story | 302 | 257.21 | 32.28 | 0.6141 |
| | 2-3 stories | 394 | 238.54 | 23.76 | |
| | 4 or more stories | 60 | 233.38 | 49.59 | |

| | | | | | |
|--|-----------------------|-----|--------|-------|--------|
| Main heating source in home? | | | | | |
| | Electric | 213 | 222.25 | 31.21 | 0.5626 |
| | Gas | 391 | 255.13 | 28.91 | |
| | Other/none | 151 | 256.49 | 34.46 | |
| Does home have air conditioning? | | | | | |
| | Air conditioning | 598 | 238.58 | 21.03 | 0.5660 |
| | No air conditioning | 159 | 275.52 | 39.48 | |
| Any pets currently in house? | | | | | |
| | Yes | 363 | 266.58 | 27.17 | 0.1646 |
| | No | 387 | 228.81 | 20.65 | |
| Air filtration device in home? | | | | | |
| | Yes | 92 | 222.96 | 34.45 | 0.5993 |
| | No | 648 | 246.37 | 20.49 | |
| Dehumidifiers used in home? | | | | | |
| | Yes | 121 | 310.83 | 62.52 | 0.0943 |
| | No | 624 | 234.58 | 17.53 | |
| How many people live in house? | | | | | |
| | 1 person | 112 | 284.28 | 38.76 | 0.1641 |
| | 2 people | 231 | 246.25 | 33.00 | |
| | 3 people | 158 | 187.48 | 17.12 | |
| | 4 people | 158 | 275.43 | 34.25 | |
| | > 4 people | 105 | 259.93 | 51.73 | |
| Does anyone in the home smoke cigarettes? | | | | | |
| | Yes | 305 | 280.35 | 32.72 | 0.0505 |
| | No | 449 | 228.88 | 16.83 | |
| Household Race | | | | | |
| | White | 574 | 261.31 | 23.92 | 0.0066 |
| | Black | 103 | 161.43 | 26.24 | |
| | Other | 66 | 222.99 | 42.12 | |
| Household Ethnicity | | | | | |
| | Hispanic | 72 | 270.78 | 76.18 | 0.6654 |
| | Non-hispanic | 678 | 241.46 | 19.24 | |
| Education | | | | | |
| | Less Than High School | 61 | 331.08 | 51.65 | 0.0001 |
| | High School | 165 | 345.09 | 38.56 | |
| | College | 495 | 209.26 | 19.24 | |

| | | | | | |
|--|--------------------------|-----|--------|-------|--------|
| Urbanization | | | | | |
| | MSA >= 1 million | 250 | 194.43 | 20.13 | 0.0300 |
| | MSA < 1 million | 381 | 237.36 | 26.12 | |
| | Non-MSA PSU | 127 | 341.47 | 68.58 | |
| Household has children under age 18? | | | | | |
| | Yes child < 18 | 361 | 244.58 | 24.23 | 0.5881 |
| | No child <18 | 394 | 247.43 | 23.88 | |
| Living Room Floor | | | | | |
| | Carpeted | 561 | 250.8 | 22.41 | 0.2230 |
| | Smooth and Cleanable | 169 | 239.87 | 39.3 | |
| | Not Smooth and Cleanable | 5 | 115.16 | 46.3 | |
| Living Room Mat | | | | | |
| | No | 735 | 245.1 | 20.22 | 0.8834 |
| | Yes | 19 | 230.59 | 63.12 | |
| Living Room Area Rug | | | | | |
| | No | 622 | 247.74 | 20.71 | 0.6346 |
| | Yes | 132 | 231.19 | 41.49 | |
| Wall-to-Wall Carpet in Living Room | | | | | |
| | No | 189 | 235.09 | 42.03 | 0.6857 |
| | Yes | 565 | 247.93 | 18.97 | |
| No Carpet in Living Room | | | | | |
| | No | 667 | 240.88 | 17.82 | 0.8617 |
| | Yes | 87 | 280.28 | 88.41 | |
| Last time Living Room floor/carpet was cleaned? | | | | | |
| | < One Week | 452 | 233.42 | 20.28 | 0.3525 |
| | One week or > | 288 | 252.05 | 24.38 | |
| Last time Living Room Upholstery cleaned? | | | | | |
| | 1-4 Weeks | 18 | 149.93 | 81.42 | 0.0010 |
| | One Month or More | 173 | 394.2 | 39.33 | |
| | Never | 482 | 218.56 | 20.56 | |
| Temperature in Living Room (F) | | | | | |
| | < 65 | 44 | 273.05 | 63.86 | 0.0838 |
| | 65 - 74 | 297 | 254.23 | 32.45 | |
| | 75 - 84 | 352 | 253.49 | 25.45 | |
| | > = 84 | 58 | 137.06 | 37.78 | |

| Humidity in Living Room (%) | | | | | |
|--------------------------------------|---------|-----|--------|-------|--------|
| | < 40 | 161 | 294.58 | 60.71 | |
| | 40 - 49 | 222 | 245.46 | 25.08 | |
| | 50 - 59 | 190 | 251.85 | 30.69 | 0.1656 |
| | 60 - 69 | 115 | 247.21 | 27.25 | |
| | > = 70 | 66 | 121.09 | 29.59 | |
| Observed Moisture in the Living Room | | | | | |
| | Yes | 47 | 244.3 | 53.98 | 0.6801 |
| | No | 701 | 248.47 | 20.53 | |
| Carpet In the Living Room | | | | | |
| | Yes | 667 | 241.39 | 17.88 | 0.8280 |
| | No | 87 | 275.06 | 86.94 | |

Table S3. Coefficients from linear regression models.

| SITE/FACTOR | Logged Coefficient of Level of Effect | True Coefficient of Level of Effect |
|--|---|--|
| Bedroom Bed | | |
| Intercept | 2.56 | 363.08 |
| Household Income by 20k | | |
| \$0-19,999 | 0.29 | 1.95 |
| \$20,000-39999 | 0.31 | 2.06 |
| \$40,000-59999 | 0.17 | 1.47 |
| 60,000 + | 0.00 | 1.00 |
| Census Region | | |
| Northeast | -0.29 | 0.52 |
| Midwest | -0.26 | 0.56 |
| South | -0.10 | 0.80 |
| West | 0.00 | 1.00 |
| HU Construction Year | | |
| 1978-1998 | -0.21 | 0.61 |
| 1960-1977 | -0.21 | 0.61 |
| 1946-1959 | -0.05 | 0.89 |
| 1940-1945 | 0.05 | 1.11 |
| 1939 or earlier | 0.00 | 1.00 |
| How many stories, including basement? | | |
| 1 story | -0.34 | 0.46 |
| 2 to 3 stories | -0.11 | 0.78 |
| 4 or more stories | 0.00 | 1.00 |
| Observed Protective Mattress Covers? | | |
| No | -0.43 | 0.37 |
| Yes | 0.00 | 1.00 |
| Observed Moisture in the Bedroom? | | |
| No | 0.28 | 1.92 |
| Yes | 0.00 | 1.00 |
| Stuffed Animals On Bed? | | |
| No | -0.16 | 0.70 |
| Yes | 0.00 | 1.00 |
| Bedroom Floor | | |
| Intercept | 2.24 | 172.19 |
| Household Income by 20k | | |
| \$0-19,999 | 0.39 | 2.43 |

| | | | |
|-------------------------------------|---------------------|-------|---------------|
| | \$20,000-39999 | 0.32 | 2.07 |
| | \$40,000-59999 | 0.16 | 1.46 |
| | 60,000 + | 0.00 | 1.00 |
| Census Region | | | |
| | Northeast | -0.16 | 0.70 |
| | Midwest | -0.10 | 0.80 |
| | South | 0.07 | 1.19 |
| | West | 0.00 | 1.00 |
| HU Construction Year | | | |
| | 1978-1998 | -0.29 | 0.51 |
| | 1960-1977 | -0.31 | 0.49 |
| | 1946-1959 | -0.20 | 0.63 |
| | 1940-1945 | 0.07 | 1.17 |
| | 1939 or earlier | 0.00 | 1.00 |
| Does home have air conditioning | | | |
| | Air conditioning | -0.19 | 0.65 |
| | No air conditioning | 0.00 | 1.00 |
| Household: Any pets? | | | |
| | Pet(s) | 0.10 | 1.26 |
| | No Pet(s) | 0.00 | 1.00 |
| Race | | | |
| | White | -0.20 | 0.63 |
| | Black | 0.09 | 1.22 |
| | Other | 0.00 | 1.00 |
| Last time bedroom floor was cleaned | | | |
| | 1 | -0.13 | 0.75 |
| | 2 | 0.00 | 1.00 |
| Humidity level in the bedroom | | | |
| | 1 | 0.24 | 1.74 |
| | 2 | 0.11 | 1.29 |
| | 3 | 0.03 | 1.06 |
| | 4 | -0.04 | 0.91 |
| | 5 | 0.00 | 1.00 |
| OBMOISTB | | | |
| | 1 | 0.21 | 1.61 |
| | 2 | 0.00 | 1.00 |
| DICARPET | | | |
| | 1 | 0.54 | 3.44 |
| | 2 | 0.00 | 1.00 |
| Kitchen Floor | | | |
| Intercept | | 2.18 | 149.62 |
| HU Construction Year | | | |
| | 1978-1998 | -0.25 | 0.57 |
| | 1960-1977 | -0.27 | 0.54 |

| | | | |
|-----------------------------------|------------------|-------|--------------|
| | 1946-1959 | -0.12 | 0.76 |
| | 1940-1945 | 0.10 | 1.25 |
| | 1939 or earlier | 0.00 | 1.00 |
| Household: Any pets? | | | |
| | Pet(s) | 0.15 | 1.40 |
| | No Pet(s) | 0.00 | 1.00 |
| Race | | | |
| | White | -0.01 | 0.98 |
| | Black | 0.16 | 1.46 |
| | Other | 0.00 | 1.00 |
| Urbanization | | | |
| | MSA >= 1 million | -0.35 | 0.45 |
| | MSA < 1 million | -0.17 | 0.67 |
| | Non-MSA PSU | 0.00 | 1.00 |
| Humidity Level in the Kitchen | | | |
| | 1 | 0.13 | 1.34 |
| | 2 | -0.02 | 0.95 |
| | 3 | -0.06 | 0.86 |
| | 4 | -0.17 | 0.67 |
| | 5 | 0.00 | 1.00 |
| Observed Moisture in the Kitchen? | | | |
| | Yes | 0.28 | 1.88 |
| | No | 0.00 | 1.00 |
| Any carpet present? | | | |
| | Yes | 0.32 | 2.08 |
| | No | 0.00 | 1.00 |
| Living Room Floor | | | |
| Intercept | | 1.80 | 63.68 |
| Household Income by 20k | | | |
| | \$0-19,999 | 0.53 | 3.40 |
| | \$20,000-39999 | 0.42 | 2.61 |
| | \$40,000-59999 | 0.21 | 1.61 |
| | 60,000 + | 0.00 | 1.00 |
| Census Region | | | |
| | Northeast | -0.25 | 0.56 |
| | Midwest | 0.06 | 1.15 |
| | South | 0.13 | 1.35 |
| | West | 0.00 | 1.00 |
| HU Construction Year | | | |
| | 1978-1998 | -0.18 | 0.66 |
| | 1960-1977 | -0.27 | 0.53 |
| | 1946-1959 | -0.11 | 0.77 |
| | 1940-1945 | 0.13 | 1.35 |
| | 1939 or earlier | 0.00 | 1.00 |

| | | | |
|-------------------------------------|---------------------|-------|-------------|
| Does home have air conditioning | | | |
| | Air conditioning | -0.24 | 0.58 |
| | No air conditioning | 0.00 | 1.00 |
| Household: Any pets? | | | |
| | Pet(s) | 0.29 | 1.95 |
| | No Pet(s) | 0.00 | 1.00 |
| Last Time Living Room Floor Cleaned | | | |
| | 1 | -0.17 | 0.67 |
| | 2 | 0.00 | 1.00 |
| Any carpet present? | | | |
| | 1 | 0.61 | 4.07 |
| | 2 | 0.00 | 1.00 |

Living Room Upholstery

| | | | |
|---|---------------|-------|-------------|
| Intercept | | 0.00 | 1.00 |
| How many people in the home? | | | |
| | 1 Person | -0.18 | 0.66 |
| | 2 Persons | -0.25 | 0.57 |
| | 3 Persons | -0.11 | 0.77 |
| | 4 Persons | 0.05 | 1.13 |
| | More Than 4 | 0.00 | 1.00 |
| Race | | | |
| | White | 0.07 | 1.19 |
| | Black | -0.30 | 0.50 |
| | Other | 0.00 | 1.00 |
| Education | | | |
| | College | 0.04 | 1.10 |
| | High School | 0.26 | 1.83 |
| | < High School | 0.00 | 1.00 |
| Last Time living room upholstery cleaned? | | | |
| | 1 | -0.18 | 0.67 |
| | 2 | 0.22 | 1.65 |
| | 3 | 0.00 | 1.00 |
| Temperature in the Living Room | | | |
| | 1 | 0.30 | 1.97 |
| | 2 | 0.45 | 2.81 |
| | 3 | 0.41 | 2.54 |
| | 4 | 0.00 | 1.00 |

Table S4. Adjusted odds ratios¹ (OR) for current asthma and wheeze, for dust weight (dichotomized at the median value), by house indices, from the National Survey of Lead and Allergens in Housing, 1998-1999. Stratified by allergy status (doctor-diagnosed allergies).

| Locations | Allergies=No Asthma (n=41) Adjusted OR (95% CI) | Allergies=Yes Asthma (n=130) Adjusted OR (95% CI) | p- value ² | Allergies=No Wheeze (n=167) Adjusted OR (95% CI) | Allergies=Yes Wheeze (n=176) Adjusted OR (95% CI) | p- value |
|------------------------|--|--|--------------------------|---|--|-------------|
| Mean Index < Median | Ref | Ref | | Ref | Ref | |
| > Median | 2.35 (0.98, 5.64) | 1.20 (0.74, 1.93) | 0.16 | 1.92 (1.11, 3.31) | 1.46 (0.93, 2.27) | 0.45 |
| Max. Index < Median | Ref | Ref | | Ref | Ref | |
| > Median | 1.32 (0.56, 3.10) | 1.25 (0.68, 2.30) | 0.67 | 1.29 (0.71, 2.35) | 1.80 (0.95, 3.40) | 0.41 |

¹ Adjusted for sex, age (categorized in decades), race, education, and environmental tobacco smoke exposure

² p-value for interaction between dust weight and allergy status

Table S5. Adjusted odds ratios¹ (OR) for current asthma and wheeze, for dust weight (dichotomized at the median value), by house indices, from the National Survey of Lead and Allergens in Housing, 1998-1999. Stratified by urban residence status.

| Locations | Urban=No | Urban=Yes | p-value ² | Urban=No | Urban=Yes | p-value |
|------------|---|--|----------------------|---|---|---------|
| | Asthma (n=114) Adjusted OR (95% CI) | Asthma (n=60) Adjusted OR (95% CI) | | Wheeze (n=250) Adjusted OR (95% CI) | Wheeze (n=103) Adjusted OR (95% CI) | |
| Mean Index | | | | | | |
| < Median | Ref | Ref | | Ref | Ref | |
| > Median | 2.01 (1.20, 3.35) | 0.98 (0.51, 1.89) | 0.12 | 1.84 (1.27, 2.68) | 1.73 (0.88, 3.39) | 0.83 |
| Max. Index | | | | | | |
| < Median | Ref | Ref | 0.56 | Ref | Ref | 0.05 |
| > Median | 1.73 (0.86, 3.48) | 1.16 (0.65, 2.07) | | 1.38 (0.93, 2.06) | 2.79 (1.69, 4.61) | |

¹ Adjusted for sex, age (categorized in decades), race, education, and environmental tobacco smoke exposure

² p-value for interaction between dust weight and urban residence status

Table S6. Logistic regression models, with adjustment for allergen and endotoxin concentrations.

ASTHMA

Referent = Quartile 1

| | Adjusted Model Plus: | | | | | | | |
|---------------|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Adjusted Model | Alternaria | Bla G 1 | Can f 1 | Der f + Der p | Endotoxin | Fel d 1 | Mus m 1 |
| Bed Q2 | 1.23 (0.63, 2.40) | 1.30 (0.68, 2.49) | 0.81 (0.36, 1.80) | 1.26 (0.63, 2.51) | 1.28 (0.65, 2.50) | 1.24 (0.63, 2.44) | 1.18 (0.61, 2.30) | 1.07 (0.53, 2.18) |
| Bed Q3 | 1.42 (0.72, 2.78) | 1.56 (0.79, 3.10) | 1.67 (0.72, 3.86) | 1.46 (0.74, 2.85) | 1.39 (0.71, 2.71) | 1.42 (0.71, 2.81) | 1.37 (0.70, 2.68) | 1.30 (0.66, 2.55) |
| Bed Q4 | 1.89 (1.09, 3.27) | 2.04 (1.15, 3.59) | 1.98 (1.10, 3.57) | 1.90 (1.09, 3.31) | 1.87 (1.09, 3.22) | 1.97 (1.09, 3.57) | 1.81 (1.06, 3.10) | 1.72 (0.99, 2.97) |
| BR Floor Q2 | 0.83 (0.41, 1.68) | 0.86 (0.42, 1.73) | 1.44 (0.66, 3.13) | 0.78 (0.37, 1.63) | 0.81 (0.41, 1.63) | 0.73 (0.37, 1.45) | 0.81 (0.40, 1.62) | 1.07 (0.52, 2.22) |
| BR Floor Q3 | 0.88 (0.43, 1.80) | 0.88 (0.43, 1.81) | 1.23 (0.57, 2.65) | 0.80 (0.39, 1.66) | 0.87 (0.43, 1.76) | 0.82 (0.40, 1.69) | 0.85 (0.41, 1.75) | 1.22 (0.59, 2.51) |
| BR Floor Q4 | 0.92 (0.53, 1.57) | 0.90 (0.51, 1.56) | 1.55 (0.80, 2.99) | 0.86 (0.49, 1.49) | 0.88 (0.51, 1.52) | 0.85 (0.49, 1.46) | 0.88 (0.51, 1.51) | 1.09 (0.59, 2.00) |
| Kit Floor Q2 | 0.97 (0.49, 1.92) | 0.97 (0.48, 1.94) | 0.84 (0.43, 1.62) | 0.95 (0.48, 1.90) | 0.95 (0.48, 1.91) | 0.94 (0.47, 1.91) | 0.93 (0.47, 1.87) | 1.03 (0.49, 2.17) |
| Kit Floor Q3 | 1.28 (0.64, 2.54) | 1.24 (0.62, 2.50) | 1.20 (0.57, 2.52) | 1.23 (0.62, 2.45) | 1.27 (0.63, 2.54) | 1.16 (0.58, 2.33) | 1.24 (0.63, 2.46) | 1.03 (0.48, 2.18) |
| Kit Floor Q4 | 1.92 (1.03, 3.60) | 1.81 (0.95, 3.44) | 2.00 (1.15, 3.49) | 1.81 (0.95, 3.46) | 1.92 (1.01, 3.64) | 1.75 (0.93, 3.31) | 1.86 (1.00, 3.45) | 1.54 (0.80, 2.94) |
| LR Floor Q2 | 0.65 (0.30, 1.42) | 0.60 (0.28, 1.31) | 0.64 (0.27, 1.50) | 0.66 (0.30, 1.43) | 0.64 (0.30, 1.39) | 0.56 (0.25, 1.23) | 0.63 (0.29, 1.38) | 0.81 (0.36, 1.81) |
| LR Floor Q3 | 0.83 (0.44, 1.59) | 0.79 (0.42, 1.51) | 0.69 (0.33, 1.46) | 0.79 (0.41, 1.53) | 0.81 (0.42, 1.56) | 0.74 (0.39, 1.41) | 0.81 (0.42, 1.56) | 1.20 (0.56, 2.60) |
| LR Floor Q4 | 1.52 (1.01, 2.29) | 1.36 (0.86, 2.14) | 2.31 (1.30, 4.12) | 1.35 (0.88, 2.10) | 1.52 (1.00, 2.30) | 1.32 (0.87, 1.99) | 1.48 (0.98, 2.24) | 1.89 (1.08, 3.32) |
| LR Sofa Q2 | 1.30 (0.69, 2.45) | 1.23 (0.65, 2.34) | 1.02 (0.49, 2.15) | 1.19 (0.63, 2.26) | 1.30 (0.68, 2.46) | 1.14 (0.60, 2.17) | 1.27 (0.67, 2.40) | 1.24 (0.61, 2.53) |
| LR Sofa Q3 | 0.63 (0.30, 1.33) | 0.59 (0.28, 1.25) | 0.73 (0.32, 1.64) | 0.58 (0.27, 1.24) | 0.64 (0.31, 1.35) | 0.56 (0.27, 1.18) | 0.61 (0.29, 1.29) | 0.50 (0.25, 1.00) |
| LR Sofa Q4 | 0.98 (0.59, 1.62) | 0.93 (0.56, 1.53) | 1.38 (0.84, 2.26) | 0.88 (0.52, 1.48) | 1.00 (0.59, 1.69) | 0.88 (0.52, 1.47) | 0.94 (0.57, 1.53) | 1.07 (0.62, 1.84) |
| House Mean Q2 | 1.27 (0.52, 3.15) | 1.24 (0.51, 3.04) | 2.00 (0.67, 5.96) | 1.23 (0.51, 2.99) | 1.33 (0.55, 3.22) | 1.15 (0.48, 2.77) | 1.23 (0.49, 3.08) | 1.61 (0.60, 4.37) |
| House Mean Q3 | 1.58 (0.77, 3.28) | 1.63 (0.77, 3.44) | 2.69 (0.99, 7.33) | 1.51 (0.73, 3.12) | 1.54 (0.74, 3.19) | 1.45 (0.69, 3.01) | 1.53 (0.74, 3.17) | 2.67 (1.24, 5.75) |
| House Mean Q4 | 1.79 (0.91, 3.51) | 1.77 (0.89, 3.54) | 4.22 (1.50, 11.9) | 1.68 (0.84, 3.34) | 1.78 (0.92, 3.47) | 1.68 (0.86, 3.26) | 1.72 (0.87, 3.40) | 2.28 (1.01, 5.18) |
| House Max Q2 | 1.57 (0.81, 3.03) | 1.60 (0.83, 3.08) | 1.42 (0.61, 3.30) | 1.50 (0.80, 2.84) | 1.53 (0.80, 2.94) | 1.57 (0.82, 3.02) | 1.54 (0.80, 2.99) | 2.46 (1.14, 5.29) |
| House Max Q3 | 1.93 (0.89, 4.18) | 1.93 (0.88, 4.27) | 2.86 (1.17, 6.98) | 1.84 (0.84, 4.02) | 1.80 (0.82, 3.93) | 1.90 (0.86, 4.19) | 1.90 (0.87, 4.14) | 2.27 (1.05, 4.88) |
| House Max Q4 | 2.21 (1.08, 4.55) | 2.14 (1.05, 4.38) | 3.21 (1.09, 9.42) | 2.04 (1.00, 4.17) | 2.15 (1.06, 4.36) | 2.18 (1.08, 4.39) | 2.16 (1.06, 4.39) | 2.67 (1.30, 5.50) |

WHEEZE

| Comparison | Adjusted Model | Alternaria | Bla G 1 | Can f 1 | Der f + Der p | Endotoxin | Fel d 1 | Mus m 1 |
|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Bed Q2 | 1.42 (0.82, 2.47) | 1.40 (0.82, 2.38) | 0.75 (0.41, 1.38) | 1.41 (0.82, 2.43) | 1.44 (0.83, 2.51) | 1.47 (0.85, 2.54) | 1.37 (0.80, 2.35) | 1.14 (0.71, 1.83) |
| Bed Q3 | 1.29 (0.79, 2.11) | 1.28 (0.78, 2.10) | 0.95 (0.55, 1.65) | 1.26 (0.79, 2.01) | 1.28 (0.79, 2.07) | 1.24 (0.76, 2.03) | 1.25 (0.76, 2.04) | 1.21 (0.71, 2.09) |
| Bed Q4 | 1.99 (1.21, 3.28) | 1.96 (1.17, 3.30) | 1.98 (1.17, 3.36) | 1.91 (1.19, 3.06) | 1.98 (1.22, 3.22) | 1.94 (1.16, 3.25) | 1.92 (1.16, 3.16) | 1.91 (1.07, 3.42) |

| | | | | | | | | |
|---------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| BR Floor Q2 | 0.87 (0.40, 1.92) | 0.85 (0.39, 1.83) | 0.89 (0.49, 1.61) | 0.83 (0.38, 1.82) | 0.86 (0.39, 1.88) | 0.76 (0.35, 1.68) | 0.85 (0.39, 1.85) | 0.74 (0.42, 1.28) |
| BR Floor Q3 | 0.79 (0.48, 1.29) | 0.76 (0.46, 1.25) | 1.21 (0.70, 2.07) | 0.74 (0.45, 1.22) | 0.78 (0.47, 1.28) | 0.68 (0.42, 1.13) | 0.76 (0.47, 1.24) | 0.90 (0.56, 1.44) |
| BR Floor Q4 | 1.46 (0.86, 2.48) | 1.40 (0.83, 2.37) | 2.17 (1.28, 3.68) | 1.36 (0.80, 2.33) | 1.43 (0.85, 2.42) | 1.27 (0.75, 2.16) | 1.40 (0.84, 2.35) | 1.59 (0.95, 2.65) |
| Kit Floor Q2 | 1.51 (0.91, 2.49) | 1.44 (0.87, 2.41) | 1.44 (0.72, 2.86) | 1.48 (0.89, 2.46) | 1.48 (0.90, 2.46) | 1.48 (0.87, 2.50) | 1.45 (0.87, 2.40) | 1.21 (0.65, 2.24) |
| Kit Floor Q3 | 1.68 (0.99, 2.86) | 1.61 (0.96, 2.71) | 1.73 (0.95, 3.16) | 1.59 (0.94, 2.71) | 1.67 (0.98, 2.84) | 1.57 (0.90, 2.76) | 1.63 (0.97, 2.76) | 1.42 (0.73, 2.74) |
| Kit Floor Q4 | 1.30 (0.78, 2.18) | 1.23 (0.74, 2.05) | 1.52 (0.94, 2.48) | 1.24 (0.74, 2.10) | 1.29 (0.77, 2.15) | 1.22 (0.72, 2.07) | 1.25 (0.74, 2.09) | 1.20 (0.66, 2.18) |
| LR Floor Q2 | 1.19 (0.75, 1.89) | 1.15 (0.71, 1.84) | 1.24 (0.68, 2.25) | 1.18 (0.73, 1.90) | 1.18 (0.74, 1.87) | 1.06 (0.64, 1.77) | 1.15 (0.72, 1.82) | 1.21 (0.74, 1.96) |
| LR Floor Q3 | 1.55 (1.07, 2.25) | 1.50 (1.01, 2.22) | 1.32 (0.82, 2.12) | 1.51 (1.04, 2.19) | 1.54 (1.06, 2.22) | 1.38 (0.94, 2.03) | 1.51 (1.04, 2.19) | 1.23 (0.81, 1.87) |
| LR Floor Q4 | 1.51 (0.94, 2.44) | 1.44 (0.89, 2.34) | 1.91 (0.99, 3.67) | 1.43 (0.88, 2.34) | 1.50 (0.92, 2.45) | 1.38 (0.83, 2.28) | 1.48 (0.91, 2.40) | 1.56 (0.88, 2.76) |
| LR Sofa Q2 | 1.27 (0.73, 2.19) | 1.24 (0.72, 2.14) | 0.92 (0.48, 1.74) | 1.22 (0.70, 2.11) | 1.27 (0.74, 2.18) | 1.18 (0.69, 2.02) | 1.24 (0.72, 2.12) | 1.04 (0.60, 1.80) |
| LR Sofa Q3 | 1.26 (0.72, 2.21) | 1.22 (0.69, 2.16) | 1.27 (0.68, 2.36) | 1.20 (0.68, 2.11) | 1.27 (0.73, 2.23) | 1.14 (0.65, 2.01) | 1.22 (0.70, 2.12) | 1.09 (0.63, 1.89) |
| LR Sofa Q4 | 2.81 (1.52, 5.21) | 2.73 (1.45, 5.11) | 2.57 (1.38, 4.77) | 2.64 (1.43, 4.88) | 2.87 (1.54, 5.35) | 2.57 (1.39, 4.76) | 2.71 (1.47, 4.97) | 2.39 (1.41, 4.07) |
| House Mean Q2 | 0.99 (0.58, 1.69) | 0.94 (0.55, 1.61) | 0.96 (0.59, 1.56) | 0.96 (0.56, 1.64) | 1.00 (0.59, 1.68) | 0.88 (0.51, 1.53) | 0.95 (0.55, 1.63) | 1.20 (0.66, 2.20) |
| House Mean Q3 | 1.98 (1.12, 3.50) | 1.91 (1.08, 3.37) | 1.62 (0.95, 2.78) | 1.87 (1.06, 3.31) | 1.94 (1.10, 3.42) | 1.76 (0.98, 3.14) | 1.91 (1.08, 3.37) | 2.05 (1.25, 3.38) |
| House Mean Q4 | 1.59 (1.06, 2.38) | 1.52 (1.01, 2.27) | 2.20 (1.41, 3.43) | 1.49 (0.99, 2.24) | 1.57 (1.06, 2.33) | 1.43 (0.94, 2.16) | 1.53 (1.02, 2.30) | 1.96 (1.24, 3.09) |
| House Max Q2 | 1.41 (0.77, 2.60) | 1.38 (0.75, 2.54) | 1.03 (0.61, 1.75) | 1.36 (0.75, 2.48) | 1.40 (0.77, 2.55) | 1.28 (0.69, 2.39) | 1.39 (0.76, 2.55) | 1.40 (0.88, 2.22) |
| House Max Q3 | 1.96 (1.22, 3.17) | 1.90 (1.19, 3.06) | 2.78 (1.72, 4.47) | 1.87 (1.16, 3.01) | 1.91 (1.17, 3.13) | 1.82 (1.12, 2.95) | 1.93 (1.20, 3.13) | 2.21 (1.33, 3.69) |
| House Max Q4 | 1.81 (1.18, 2.75) | 1.74 (1.13, 2.68) | 2.43 (1.41, 4.18) | 1.69 (1.11, 2.56) | 1.77 (1.16, 2.70) | 1.67 (1.09, 2.55) | 1.76 (1.16, 2.66) | 2.09 (1.32, 3.31) |