

1 **Household Hygiene Behaviors, Perceived Responsibility for Vector Control, and Vulnerability to**
 2 **Rat and Mosquito Sightings in Disadvantaged Urban Communities**

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9 **Supplementary Material IIa: Summary of Variance Inflation Factor (VIF) Analysis for rat sightings**

Predictor	GVIF	Degrees of Freedom	Adjusted GVIF
Study community	2.798	3	1.187
Land surface temperature	1.308	1	1.144
Age of HoH	1.391	1	1.179
Monthly household per capita income	1.303	1	1.142
Backyard used for gardening	1.119	1	1.058
Means of waste storage before final disposal	1.625	3	1.084
HH waste disposal practices	1.791	2	1.157
Waste type most difficult to manage	2.539	3	1.168
Rat sightings seen as normal	1.156	1	1.075
Perceived helplessness toward rat sightings	1.222	1	1.105
Prior participation in hygiene awareness programs	1.279	1	1.131
Health awareness barriers to backyard cleanliness	1.347	1	1.161
Poison for rat control	1.238	1	1.113
Perceived body responsible for rat control	1.69	2	1.14

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20 **Supplementary Material IIb: Summary of Variance Inflation Factor (VIF) Analysis for mosquito sightings**

Predictor	GVIF	Degrees of Freedom	Adjusted GVIF
Study community	10.583	3	1.482
Household elevation gradient	7.499	1	2.738
Land surface temperature	1.3	1	1.14
Age of HoH	1.226	1	1.107
Monthly household per capita income	1.183	1	1.088
Solid waste present in the backyard	1.135	1	1.065
Backyard used for gardening	1.116	1	1.056
HH waste disposal practices	1.58	2	1.121
Helpless after mosquito sighting	1.118	1	1.057
Backyard hygiene conditions	1.164	1	1.079
Lack of time as a barrier to backyard cleanliness	1.226	1	1.107
Net installation for mosquito control	1.344	1	1.159
Stagnant water removal for mosquito control	1.184	1	1.088

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