

Article

# Household Perceptions and Practices of Recycling Tree Debris from Residential Properties

Mikaela L. Schmitt-Harsh <sup>1</sup> and Eric Wiseman <sup>2,\*</sup>

<sup>1</sup> Department of Interdisciplinary Liberal Studies, James Madison University, Mountain Hall, 800 S. Main Street, Harrisonburg, VA 22801, USA; schmi2ml@jmu.edu

<sup>2</sup> Department of Forest Resources and Environmental Conservation, Virginia Tech, 310 West Campus Drive, Blacksburg, VA 24061, USA

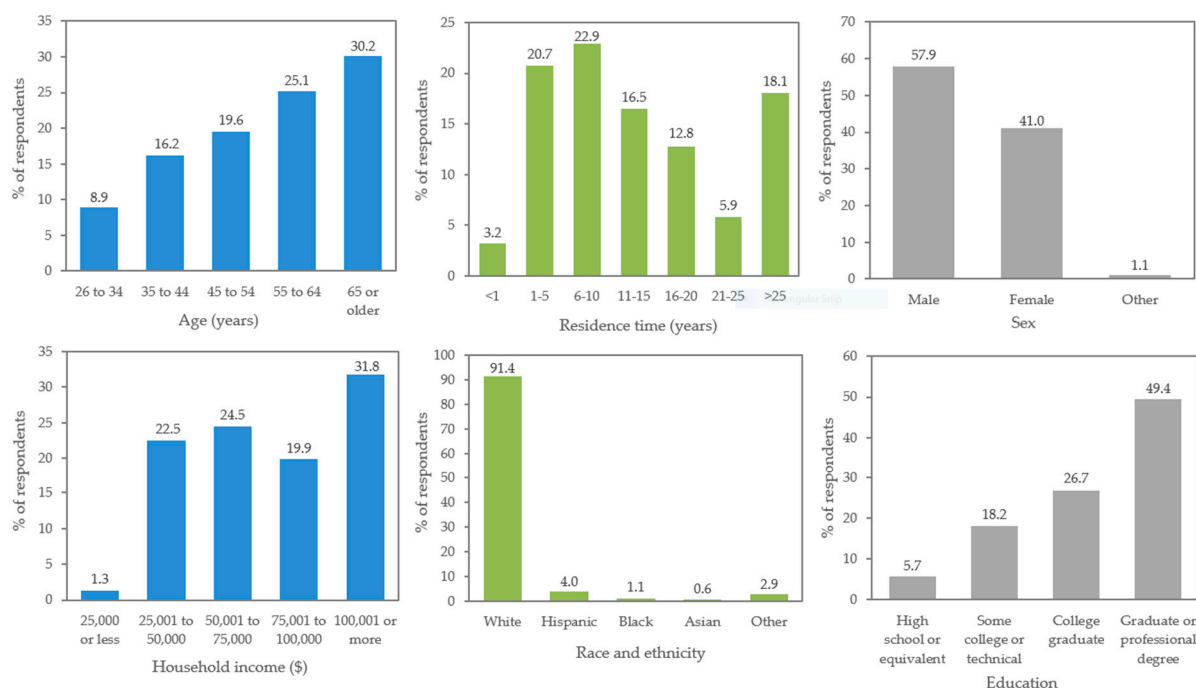
\* Correspondence: pwiseman@vt.edu

Received: 17 July 2020; Accepted: 7 August 2020; Published: 11 August 2020

**Supplementary Materials:** The following is available online at <http://www.mdpi.com/2071-1050/12/16/6476/s1> and <http://www.mdpi.com/2071-1050/12/16/6476/s2>.

**Figure S1.** Demographic data for respondents to a 2018 survey of owner-occupied single-family households conducted in Harrisonburg, VA.

**Table S1.** Results of forward entry binary logistic regression model for the dependent variable ‘stated intention to recycle woody debris from tree removals in the future’.



**Figure S1.** Demographic data for respondents to a 2018 survey of owner-occupied single-family households conducted in Harrisonburg, VA. Total survey responses were 189, although sample size may vary slightly for some variables due to non-disclosure of information.

**Table S1.** Results of forward entry binary logistic regression model for the dependent variable ‘stated intention to recycle woody debris from tree removals in the future’. Data from responses to a survey of owner-occupied single-family households conducted during 2018 in Harrisonburg, VA (n=189). Significant independent variables at the 0.1(\*) and 0.05(\*\*) level are highlighted red.

| Independent Variable Name                    | B      | Std. Error | Sign.  |
|----------------------------------------------|--------|------------|--------|
| Age [34 or younger]                          | –      | –          | .516   |
| Age [35 to 44 years]                         | –0.430 | 1.044      | .680   |
| Age [45 to 54 years]                         | –0.300 | 1.143      | .793   |
| Age [55 to 64 years]                         | –0.770 | 1.061      | .468   |
| Age [65 or older]                            | –2.018 | 1.286      | .117   |
| Education [HS or equivalent]                 | –      | –          | .111   |
| Education [Some college or technical]        | 1.840  | 1.519      | .226   |
| Education [College graduate]                 | 0.733  | 1.461      | .616   |
| Education [Graduate or professional degree]  | –0.385 | 1.392      | .782   |
| Property Age [Before 1950s]                  | –      | –          | .339   |
| Property Age [1950s]                         | –0.608 | 0.898      | .498   |
| Property Age [1960s]                         | –0.185 | 1.164      | .874   |
| Property Age [1970s]                         | 0.742  | 1.041      | .476   |
| Property Age [1980s]                         | 1.178  | 1.085      | .277   |
| Property Age [1990s]                         | 1.935  | 1.425      | .175   |
| Property Age [2000s]                         | –1.403 | 1.161      | .227   |
| Property Age [2010s]                         | –0.217 | 1.625      | .894   |
| Length of time at residence [<1 year]        | –      | –          | .527   |
| Length of time at residence [1 to 5 years]   | 0.037  | 1.631      | .982   |
| Length of time at residence [6 to 10 years]  | 0.030  | 1.685      | .986   |
| Length of time at residence [11 to 15 years] | –0.859 | 1.795      | .632   |
| Length of time at residence [16 to 20 years] | –1.630 | 1.842      | .376   |
| Length of time at residence [21 to 25 years] | 2.001  | 2.400      | .404   |
| Length of time at residence [>25 years]      | –0.460 | 1.895      | .808   |
| Number of yard trees                         | 0.210  | 0.111      | .059*  |
| Number of woodlot trees                      | –0.063 | 0.079      | .426   |
| Number of trees removed                      | 0.136  | 0.077      | .077*  |
| Parcel size                                  | –0.419 | 0.763      | .583   |
| Green Behavior Index (GBI)                   | 0.103  | 0.035      | .003** |

