

Table S3: **Results of the final multivariable logistic regression model predicting attendance to SP.** Estimates and 95 % confidence intervals of the final multivariable logistic regression model predicting attendance to SP.

| Variable | Odds Ratio | Lower 95% CI | Upper 95% CI | p value |
|-----------------------------|-------------------|-------------------------|-------------------------|----------------|
| Distance to SP (km) | 0.30 | 0.24 | 0.39 | 0.00 |
| Poverty < \$1.25* | | | | |
| Poverty: q1 | Reference | | | |
| Poverty: q2 | 1.58 | 1.17 | 2.13 | 0.00 |
| Poverty: q3 | 2.22 | 1.61 | 3.06 | 0.00 |
| Poverty: q3 | 2.22 | 1.61 | 3.06 | 0.00 |
| Distance * Poverty | | | | |
| Distance * Poverty q1 | Reference | | | |
| Distance * Poverty q2 | 0.94 | 0.66 | 1.34 | 0.73 |
| Distance * Poverty q3 | 0.69 | 0.49 | 0.96 | 0.03 |
| Distance * Poverty q4 | 0.66 | 0.49 | 0.89 | 0.01 |
| Housing density | | | | |
| Low | Reference | | | |
| Medium | 1.58 | 1.39 | 1.80 | 0.00 |
| High | 1.61 | 1.38 | 1.88 | 0.00 |
| Age | | | | |
| Adult | Reference | | | |
| Age: Puppy | 0.26 | 0.23 | 0.29 | 0.00 |
| Sex | | | | |
| Female | Reference | | | |
| Sex: preg/lact female | 0.60 | 0.50 | 0.71 | 0.00 |
| Sex: male | 1.13 | 1.04 | 1.23 | 0.00 |
| Sex: unknown | 0.42 | 0.30 | 0.58 | 0.00 |
| Neuter status | | | | |
| Entire | Reference | | | |
| Neutered | 1.29 | 1.11 | 1.48 | 0.00 |
| Unknown | 1.37 | 1.07 | 1.75 | 0.01 |
| Confinement level | | | | |
| Always Roaming | Reference | | | |
| Roaming Daily | 1.19 | 1.07 | 1.33 | 0.00 |
| Roaming Weekly | 0.83 | 0.52 | 1.34 | 0.45 |
| Never Roaming | 0.74 | 0.66 | 0.82 | 0.00 |
| Unknown | 0.93 | 0.76 | 1.16 | 0.54 |
| Health status | | | | |
| Disease | Reference | | | |
| Healthy | 2.37 | 2.07 | 2.72 | 0.00 |
| Unknown | 15.07 | 11.69 | 19.43 | 0.00 |

*Poverty: proportion of people living in poverty per grid square (earning < \$1.25/day)