**Online Appendix.** Univariable regression of variables related to appointment duration grouped by stage

| Variable | B (minutes) | 95% CI | P-value | R² |
|---|---|---|---|---|
| **Known at check-in** | | | | |
| Additional pets per visit | -4.7 | -7.5, -1.9 | 0.001* | 0.025 |
| Species, dog | 0.8 | -3.5, 5.0 | 0.726 | 0.006 |
| Sex, female | -1.2 | -4.5, 2.2 | 0.481 | 0.001 |
| Age (months) | | | | |
| < 6 | -2.2 | -4.9, 0.45 | 0.103 | 0.035 |
| ≥ 6 | 0.1 | 0.0, 0.1 | 0.006* | 0.000 |
| Dog weight (pounds) | 0.1 | -0.1, 0.2 | 0.313 | 0.004 |
| **Determined from history** | | | | |
| Number of current concerns | 4.3 | 2.9, 5.6 | <0.001* | 0.120 |
| Number of recent changes | 4.2 | 1.0, 7.3 | 0.011* | 0.021 |
| Number of recent signs | 6 | 3.0, 9.0 | <0.001* | 0.062 |
| Total number of findings from history | 3.2 | 2.3, 4.2 | <0.001* | 0.142 |
| History points | 5.6 | 3.4, 7.9 | <0.001* | 0.077 |
| 1 | Ref. | -- | -- | -- |
| 2 | 3.3 | -0.4, 7.0 | 0.077 | 0.083 |
| 3 | 12.6 | 7.8, 17.4 | <0.001* | |
| **Determined from physical examination** | | | | |
| Number of abnormal findings | 3.7 | 2.8, 4.7 | <0.001* | 0.182 |
| Number of services | 5.6 | 2.5, 8.8 | <0.001* | 0.020 |
| Number of tests | 11.8 | 8.0, 15.6 | <0.001* | 0.120 |
| Number of vaccines | -0.6 | -2.9, 1.7 | 0.601 | 0.002 |
| Number of medications administered | 4.8 | 2.2, 7.4 | <0.001* | 0.030 |
| Number of medications dispensed | 10.6 | 1.8, 19.5 | 0.018* | 0.019 |
| Total number of procedures | 4.6 | 3.2, 5.9 | <0.001* | 0.097 |
| Microchip placed | 5.2 | 0.6, 9.8 | 0.025* | 0.013 |
| Animal marked caution | -6.8 | -14.2, 0.6 | 0.07 | 0.009 |
| Appointment position | -0.9 | -1.2, 0.6 | <0.001* | 0.117 |
| Physical examination points | 7 | 5.0, 9.0 | <0.001* | 0.130 |
| 1 | Ref. | -- | -- | -- |
| 2 | 2.1 | -1.6, 5.8 | 0.266 | 0.159 |
| 3 | 14.1 | 10.2, 18.1 | <0.001* | |

*Variables with a P-value of <0.2 considered for multiple variable regression models. Weight for cats not considered as a regression variable due to small range of variation and collinearity with age.*
*\*p<0.05*