

Weekly Engagement Patterns in an Internet Smoking Cessation



Institute for Global Tobacco Control

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Background

- Online health information seeking is more common at beginning of the week (i.e., the "Monday phenomenon")
- Google search query and quitline usage analysis found more smoking cessation information seeking early in the week

Objective

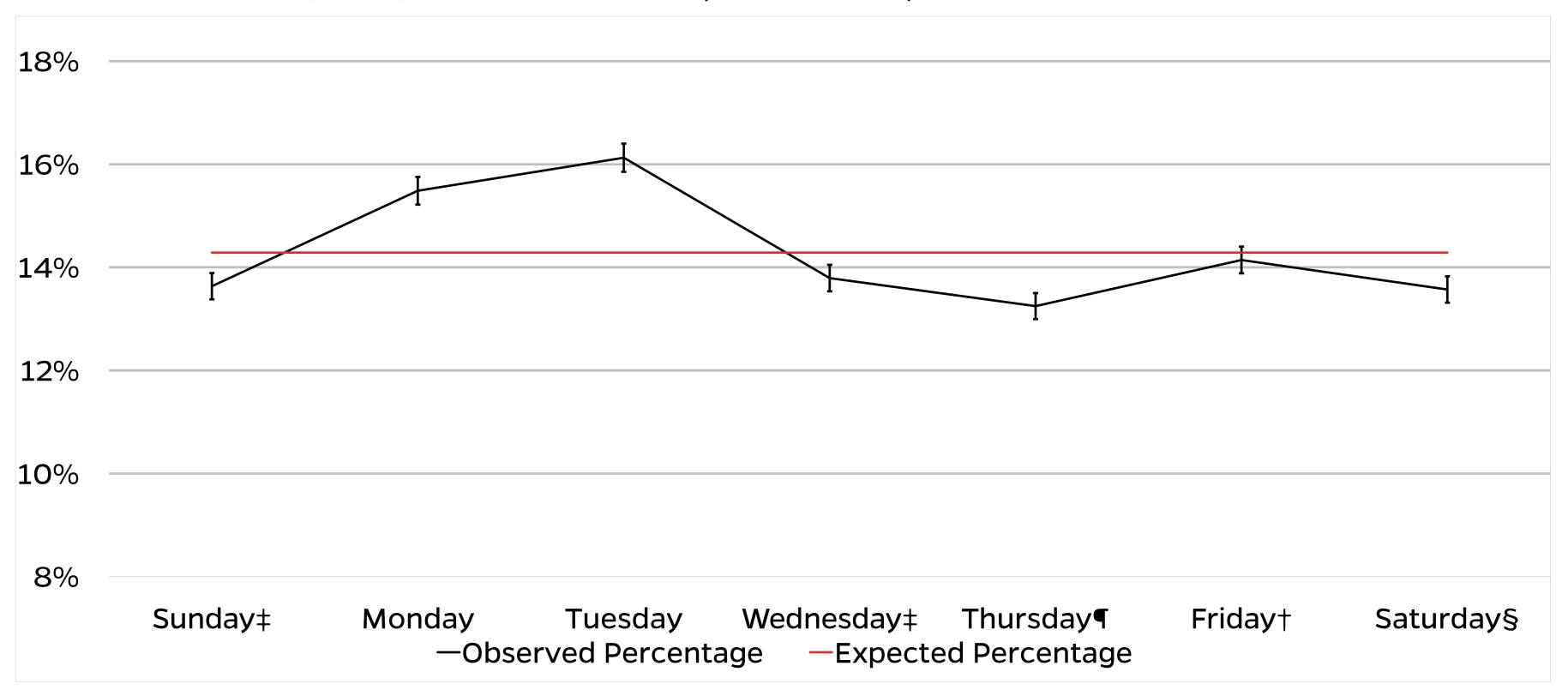
- Investigate the presence of the "Monday phenomenon" using automated tracking data from BecomeAnEX.org, a free smoking cessation intervention
- Compare the "Monday phenomenon" for different groups of users

Methods

- We examined automated tracking data from BecomeAnEX.org to compare day-of-the-week activity in the three months following enrollment for different categories of users (n=69,237)
- We grouped participants by age (around the median), reason for joining (ready to quit versus already quit), smoker status (current versus former), and number of visits (one return visit versus multiple)
- We assessed differences in these subgroups by day of the week for enrollment and day of initial selected quit date using chi-squared tests of independence
- Differences were considered statistically significant at the 1 percent level if p<0.00167 due to multiple comparisons

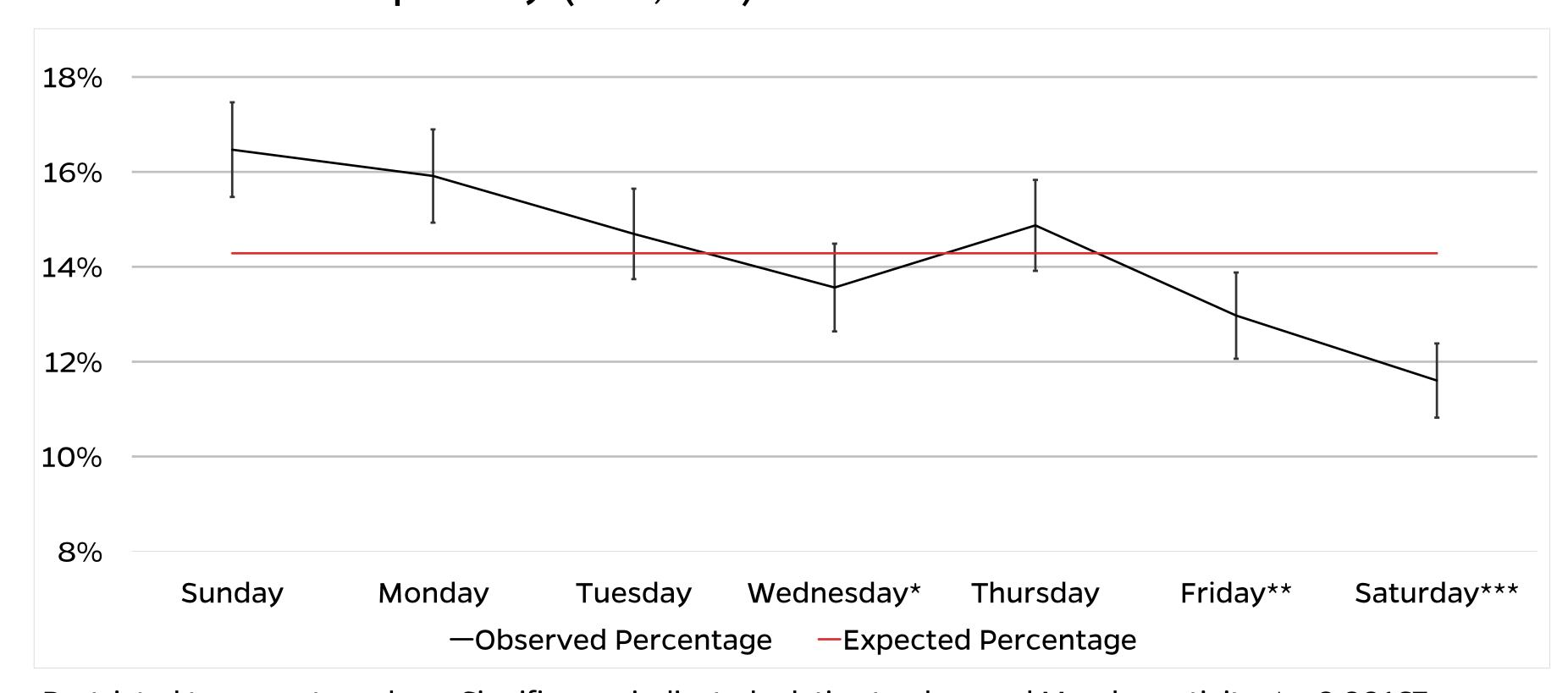
Results

- Overall, participants had a significantly greater likelihood of enrolling in the program and choosing a quit date at the beginning of week
- Enrollment by day of the week (n=69,237)



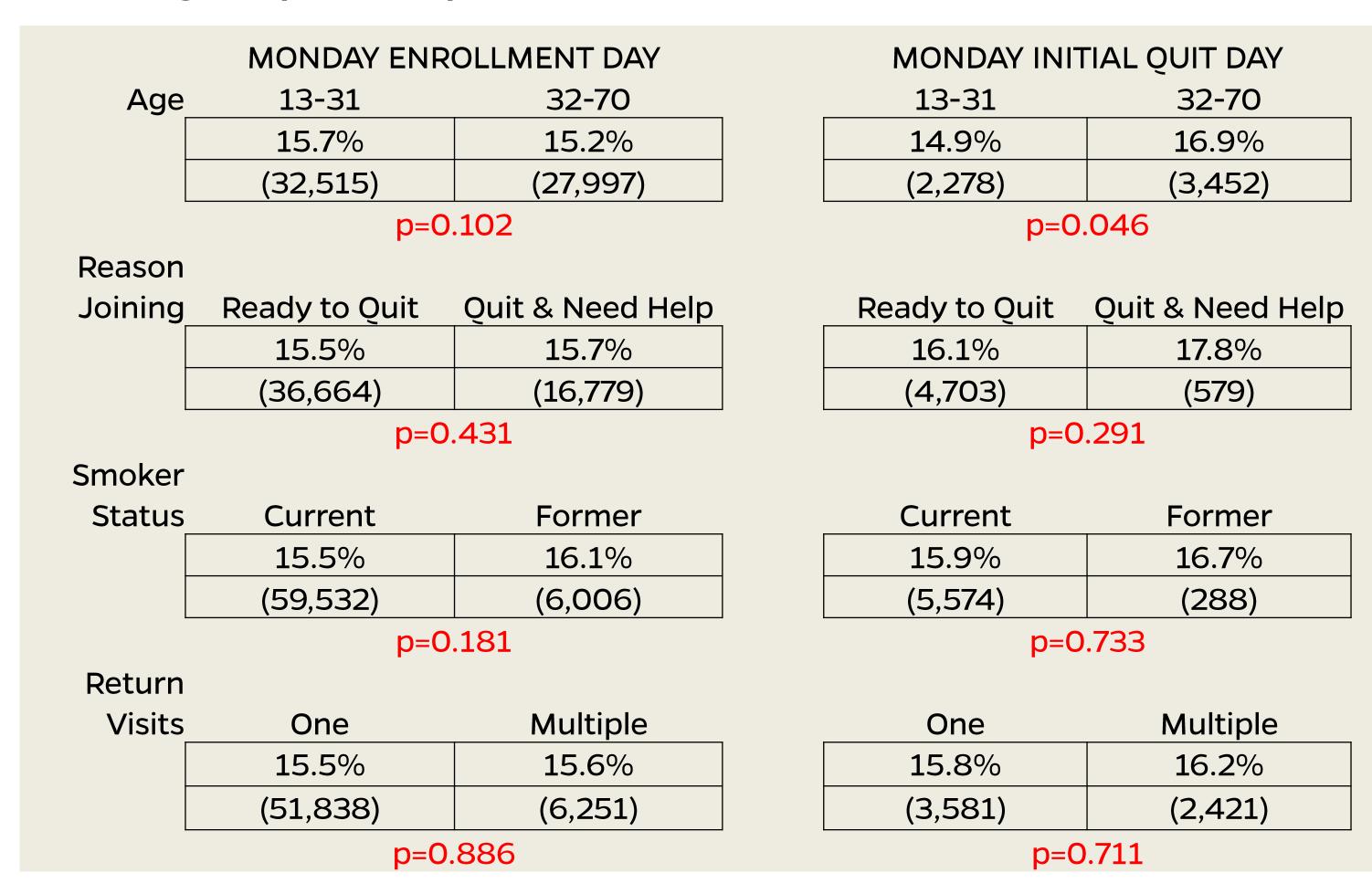
Significance indicated relative to observed Monday activity: † p<10⁻¹⁰, ‡ p<10⁻¹⁵, § p<10⁻²⁰, ¶ p<10⁻²⁵

• Initial selected quit day (n=5,574)



Restricted to current smokers. Significance indicated relative to observed Monday activity: *p<0.00167, **p<0.0001, ***p<10⁻⁵

 There was no significant difference at even the 10 percent significance level (p<0.0167) in Monday-related activity for the groups compared



Conclusions

- Our findings are consistent with previous research showing that more people are interested in taking healthy actions early in the week
- The "Monday phenomenon" is consistently found across the subgroups we examined
- These findings can be leveraged by increased recruitment ads and additional communication strategies on days when people are more likely to engage with a site

Acknowledgements

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