

Appendix
Acceptable and Preferred Cervical Cancer Screening Intervals Among U.S. Women
Purvis Cooper et al.

Appendix Table. Extended Cervical Cancer Screening Interval Use, Acceptance, and Preference by Participant Characteristics

| Participant characteristics | Current use of 3-year screening interval (%) ^a | | | Acceptance of 3- to 5-year screening interval (%) ^b | | | Preference for 3- to 5-year screening interval (%) ^{b,c} | | |
|------------------------------|---|---------------|--------------|--|----------------|--------------|---|----------------|--------------|
| | No (n=918) | Yes (n=89) | p-value | No (n=909) | Yes (n=471) | p-value | No (n=763) | Yes (n=371) | p-value |
| Age | | | | | | | | | |
| 18–29 years | 18.6 | 25.0 | 0.261 | 21.8 | 22.7 | 0.056 | 21.4 | 22.9 | 0.818 |
| 30–65 years | 71.0 | 62.5 | | 65.4 | 68.9 | | 68.9 | 67.1 | |
| >65 years | 10.4 | 12.5 | | 12.8 | 8.5 | | 9.6 | 10.0 | |
| Race/ethnicity | | | | | | | | | |
| White, non-Hispanic | 65.7 | 62.9 | 0.035 | 63.8 | 69.5 | 0.003 | 66.4 | 69.0 | 0.024 |
| Black, non-Hispanic | 13.5 | 6.7 | | 12.8 | 8.3 | | 12.1 | 7.3 | |
| Other, non-Hispanic | 4.6 | 10.1 | | 6.0 | 8.9 | | 5.8 | 8.9 | |
| Hispanic | 16.2 | 20.2 | | 17.4 | 13.3 | | 15.7 | 14.8 | |
| Educational attainment | | | | | | | | | |
| <High school | 9.3 | 10.1 | 0.433 | 9.8 | 8.5 | 0.002 | 7.8 | 9.4 | 0.043 |
| High school | 28.6 | 27.0 | | 33.4 | 26.7 | | 29.6 | 29.8 | |
| Some college | 30.4 | 22.5 | | 29.9 | 28.4 | | 32.5 | 24.2 | |
| Bachelor degree | 22.4 | 29.2 | | 19.9 | 24.8 | | 21.1 | 26.3 | |
| Graduate degree | 9.3 | 11.2 | | 7.0 | 11.7 | | 9.1 | 10.2 | |
| Geographic region | | | | | | | | | |
| Northeast | 22.0 | 18.0 | 0.004 | 19.7 | 22.1 | 0.420 | 21.2 | 22.0 | 0.412 |
| Midwest | 21.8 | 12.4 | | 21.8 | 23.8 | | 21.7 | 25.0 | |
| South | 33.5 | 30.3 | | 36.1 | 32.1 | | 35.6 | 30.9 | |
| West | 22.8 | 39.3 | | 22.4 | 22.1 | | 21.5 | 22.0 | |
| Menopause status | | | | | | | | | |
| Post-menopausal | 28.7 | 31.5 | 0.186 | 30.1 | 27.7 | 0.094 | 28.9 | 28.5 | 0.778 |
| Peri-menopausal | 9.0 | 3.4 | | 9.4 | 6.6 | | 8.7 | 7.6 | |
| Not post- or peri-menopausal | 62.3 | 65.2 | | 60.5 | 65.7 | | 62.4 | 64.0 | |
| Health insurance coverage | | | | | | | | | |
| Insured | 85.7 | 75.3 | 0.009 | 81.6 | 82.6 | 0.643 | 82.7 | 83.1 | 0.855 |
| Uninsured | 14.3 | 24.7 | | 18.4 | 17.4 | | 17.3 | 16.9 | |

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| Participant characteristics | Current use of 3-year screening interval (%) ^a | | | Acceptance of 3- to 5-year screening interval (%) ^b | | | Preference for 3- to 5-year screening interval (%) ^{b, c} | | |
|--|---|---------------|------------------|--|----------------|------------------|--|----------------|------------------|
| | No (n=918) | Yes (n=89) | p-value | No (n=909) | Yes (n=471) | p-value | No (n=763) | Yes (n=371) | p-value |
| Number of primary care visits during the last 12 months ^d | | | | | | | | | |
| No visits | 9.7 | 37.9 | <0.001 | 20.2 | 17.0 | 0.094 | 13.3 | 21.9 | <0.001 |
| 1–2 visits | 59.6 | 50.6 | | 51.1 | 57.2 | | 56.2 | 55.1 | |
| ≥3 visits | 30.7 | 11.5 | | 28.7 | 25.7 | | 30.5 | 23.0 | |
| Type of provider who performed most recent Pap test | | | | | | | | | |
| Obstetrician-gynecologist | 61.4 | 55.1 | 0.555 | 59.6 | 59.2 | 0.853 | 63.7 | 51.9 | <0.001 |
| Internist/family practitioner | 25.2 | 29.5 | | 26.6 | 27.9 | | 22.3 | 35.4 | |
| Nurse practitioner/physician assistant | 13.4 | 15.4 | | 13.8 | 12.9 | | 14.0 | 12.6 | |
| Pap test usage | | | | | | | | | |
| ≥1 Pap test | Not applicable | | | 71.3 | 82.7 | <0.001 | 82.9 | 78.5 | 0.079 |
| No prior Pap test | | | | 28.7 | 17.3 | | 17.1 | 21.5 | |
| Lifetime abnormal Pap test result history | | | | | | | | | |
| ≥1 abnormal Pap result | 15.3 | 8.0 | 0.064 | 10.9 | 16.2 | 0.005 | 16.8 | 8.9 | <0.001 |
| No prior abnormal Pap result | 84.7 | 92.0 | | 89.1 | 83.8 | | 83.2 | 91.1 | |
| Human papillomavirus (HPV) test usage | | | | | | | | | |
| Had HPV test | 11.2 | 7.9 | 0.336 | 6.9 | 12.6 | <0.001 | 10.8 | 9.2 | 0.414 |
| No prior HPV test | 88.8 | 92.1 | | 93.1 | 87.4 | | 89.2 | 90.8 | |
| HPV vaccine reception | | | | | | | | | |
| Vaccinated | 7.5 | 14.6 | 0.018 | 6.6 | 9.9 | 0.031 | 8.3 | 9.8 | 0.414 |
| Unvaccinated | 92.5 | 85.4 | | 93.4 | 90.1 | | 91.7 | 90.2 | |

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|--|---|---------------|--------------|--|----------------|------------------|--|----------------|---------|
| | No (n=918) | Yes (n=89) | p-value | No (n=909) | Yes (n=471) | p-value | No (n=763) | Yes (n=371) | p-value |
| Perceived purpose of Pap test | | | | | | | | | |
| Detection of cervical cancer exclusively | 27.2 | 32.6 | 0.011 | 23.5 | 27.4 | <0.001 | 26.0 | 30.1 | 0.345 |
| Other responses | 61.6 | 66.3 | | 56.1 | 64.3 | | 63.8 | 60.2 | |
| Not sure | 11.2 | 1.1 | | 20.3 | 8.3 | | 10.3 | 9.8 | |

Note: Data were from the 2012 HealthStyles Fall Survey of U.S. adults. The analysis presented in the table was limited to women who had never been diagnosed with cervical cancer and had not undergone a hysterectomy, and data were weighted to match 2012 U.S. Census estimates for age, household income, race/ethnicity, educational attainment, and geographic region. Percentages were compared using Pearson Chi-Square asymp. two-sided tests. Boldface indicates statistical significance ($p < 0.05$).

^aIn addition to inclusion criteria previously listed, analysis was limited to women who reported receiving Pap tests once every ≤ 3 years (N=1,007).

^bIncluded Pap test once every 3 years and a Pap test administered in conjunction with an HPV test once every 3-5 years.

^cOnly women who indicated that receiving a Pap test once every 1-5 years would be acceptable were asked to report a preferred cervical cancer screening option (n=1,134).

^dIncluded visits to obstetrician-gynecologists, internists, and family practitioners.