­­­Colonoscopy Outcomes in Average-Risk Screening Equivalent Young Adults: Data from the New Hampshire Colonoscopy Registry

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**Supplemental Table 1.** Results for co-variates in logistic regression models in Table 2 predicting polyps as stratified across age groups

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | Any neoplasia  OR  (95% CI) | Advanced neoplasia  OR  (95% CI) | CSSP  OR  (95% CI) |
| Sex (F versus M) | | 0.55  (0.52-0.58) | 0.62  (0.55-0.69) | 0.90  (0.82-0.99) |
| BMI (continuous) | | 1.02  (1.01-1.02) | 1.02  (1.01-1.03) | 1.02  (1.01-1.02) |
| Family history (non-first degree relative) | | 1.08  (0.96-1.23) | 1.14  (0.89-1.46) | 1.17  (0.95-1.43) |
| Smoking | Never | 1.0  (ref) | 1.0  (ref) | 1.0  (ref) |
| Past | 1.17  (1.11-1.24) | 1.27  (1.12-1.43) | 1.23  (1.11-1.36) |
| Current | 1.82  (1.68-1.98) | 1.99  (1.71-2.32) | 2.13  (1.88-2.43) |
| 5 drinks or more /week | | 1.14  (1.07-1.21) | 1.08  (0.96-1.21) | 1.09  (0.99-1.21) |
| Aspirin (1-3 times / week) | | 0.84  (0.79-0.90) | 0.84  (0.74-0.95) | 0.79  (0.71-0.88) |
| Education (HS or more) | | 0.84  (0.72-0.98) | 0.71  (0.55-0.93) | 0.83  (0.65-1.08) |
| Exercise (once a week or more) | | 0.88  (0.83-0.92) | 0.83  (0.74-0.92) | 0.88  (0.80-0.97) |

Advanced neoplasia: Adenomas >1cm, adenomas with villous elements or high-grade dysplasia, or colorectal cancer. Clinically Significant Serrated Polyps: Sessile Serrated Polyps, Traditional Serrated Adenomas, Hyperplastic polyps > 1 cm anywhere in the colon and Hyperplastic polyps > 5 mm and proximal to the rectosigmoid.

Any colorectal neoplasia: Any adenoma or advanced neoplasia

Supplemental Table 2. Outcomes across age groups with non FDR excluded from cohort

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | < 40  % (95% CI)  (n=2251) | 40-44  % (95% CI)  (n=1046) | 45-49  % (95% CI)  (n=1588) | 50-54  % (95% CI)  (n=20621) | 55-59% (95% CI)  (n=6313) | 60+% (95% CI)  (n=6856) |
| Advanced Neoplasia | 1.1%  (0.7-1.6)  (n=24) | 3.1%  (2.2-4.3)  (n=32) | 3.6%  (2.8-4.6)  (n=57) | 3.6%  (3.3-3.9)  (n=740) | 5.1%  (4.6-5.7)  (n=322) | 6.8%  (5.9-7.5)  (n=469) |
| CSSP | 2.8%  (2.2-3.6)  (n=64) | 4.6%  (3.5-6.0)  (n=48) | 5.8%  (4.8-7.1)  (n=92) | 6.2%  (5.8-6.5)  (1271) | 6.7%  (6.2-7.4)  (n=426) | 5.9%  (5.4-6.5)  (n=406) |

P < 0.0001 across all groups for all rows

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