

**Title:** Prevalence and Correlates of Colorectal Cancer Screening Tests

**Co-authors:** Sally W. Vernon, Amy McQueen, Helen Meissner, Carrie Klabunde, others?

**Research Questions:** What is the prevalence of each colorectal cancer screening test assessed: fecal occult blood test, sigmoidoscopy, and colonoscopy? Which factors are associated with the use of colorectal cancer screening tests? How do the current estimates and analytical results from 2003 HINTS compare with previously published findings from national surveys (i.e. BRFSS, NHIS)?

**Study Description/Rationale:** Colorectal cancer (CRC) is the third most common cancer and third leading cause of cancer among both men and women in the United States.<sup>1</sup> Despite evidence that screening tests are effective in reducing incidence and mortality for CRC,<sup>2-6</sup> screening rates are low.<sup>7-10</sup> The proposed analyses seek to identify factors related to colorectal cancer screening (CRCS) behavior, stratified by gender and age (50-64, 65+). While previous work has suggested significant relationships between demographic variables and CRCS,<sup>10-12</sup> few studies have utilized national survey data.<sup>13,14</sup>

**Method of Analysis:** Descriptive statistics such as frequencies and percentages with associated standard errors will be used to present the proportion screened by each test type, stratified by gender and age. Univariate and multivariate logistic regression analyses will be conducted to identify the predictors most significantly related to CRCS by test type, stratified by gender and age.

HINTS 2003 Variable list:

Sample restricted to adults aged 50+ (SPAge = 50+) with no CRC history (CH2TyleofSpsCancer = 13)

#### Cancer Information Seeking

HC9SeekCancerInfo	Have you ever looked for info about cancer from any source?
HC10OtherSeekCancerInfo	Excluding doctors/health care practitioners, has anyone else ever looked for info about cancer for you?
HC11WhoSeekCancerInfo	If so, who?
HC15AConfidenceGetCancerInfo	Overall, how confident are you that you could get advice or information about cancer if you needed it?
HC18aTrustDoctor	How much would you trust the info about cancer from a <u>doctor or other health care professional</u> ?

#### Cancer History

CH1EverHadCancer	Have you ever been told by a doctor that you had cancer?
CH2TyleofSpsCancer	What type of cancer was it, or in what part of the body did it start?
CH4TypeOfFamilyCancer	Have any of your brothers, sisters, parents, children, or other close family members ever had cancer?

#### Colon Cancer Perceived Risk

CC1ChanceColonCancer	How likely do you think it is that you will develop colon cancer in the future?
CC2RelativeChanceColonCancer	Compared to the average (man/woman) your age, would you say that you are... (more likely, less likely, or about as likely to get colon cancer)
CC3FreqWorryColonCancer	How often do you worry about getting colon cancer?

#### Colon Cancer Knowledge

CC4AEverHeardStoolBlood	Have you ever heard of a fecal occult or stool blood test? (y/n) *If no, skipped rest of FOBT questions.
CC14AgeBloodStool	At what age are people supposed to start doing home stool blood tests?
CC15FreqBloodStool	In general, once people start doing home stool blood tests, about how often should they do them?
CC15EverHeardSigCol	Have you ever heard of a SIG or COL? (y/n) *If no, skipped rest of SIG/COL questions.
CC24AgeSigCol	At what age are people supposed to start having SIG or COL exams?

CC25FreqSigCol	In general, once people start having SIG or COL exams, about how often should they have them?
CC27RiskColonCancer	When would you say the risk of colon cancer is highest? (under 40, 40-60, 60+ years old)

#### CRCS Recommendations

CC5DoctorAdviseStoolBlood	During the past 12 months, did a doctor, nurse, or other health professional advise you to do a stool blood test using a home test kit?
CC17aAdviseSigmoidoscopy	Did a doctor, nurse, or other health professional ever advise you to get a sigmoidoscopy?
CC17bAdviseColonoscopy	Did a doctor, nurse, or other health professional ever advise you to get a colonoscopy?

#### CRCS Outcome Behaviors

CC6HadStoolBlood	Have you ever done a stool blood test using a home test kit?
CC7WhenStoolBlood	When did you do your most recent stool blood test using a home kit to check for colon cancer?
CC9StoolBloodLast3Years	How long before that stool test was your last one?
CC16aHadSigmoidoscopy	Have you ever had a sigmoidoscopy?
CC16bHadColonoscopy	Have you ever had a colonoscopy?
CC18WhenSigCol	When did you have your most recent SIG/COL to check for colon cancer?
CC19SigColLast10Years	How long before that SIG/COL was the last one?

#### CRCS Barriers (and other constructs)

CC10WhyNotStoolBlood	Is there any particular reason why you haven't done a home stool test yet/in the past year?
CC20WhyNotSigCol	Is there any particular reason why you haven't gotten a SIG/COL yet/in the past 10 years?
CC26aCheckColonEasy	Arranging to get checked for colon cancer would be easy.
CC26bCheckColonAfraid	You are afraid of finding colon cancer if you were checked.
CC26cCheckColonDetectEarly	Getting checked regularly for colon cancer increases the chances of finding cancer when it's easy to treat.
CC26dCheckColonTooExpensive	Getting checked for colon cancer is too expensive.

#### Other Cancer Screening by Gender

BC5HadMammogram	Have you ever had a mammogram?
BC6WhenMammogram	When did you have your most recent mammogram to check for breast cancer?
BC8MammogramLast6Years	How long before that mammogram was the last one?
CV1HadPapSmear	Have you ever had a Pap smear?
CV2WhenPapSmear	When did you have your most recent Pap smear to check for cervical cancer?
CV4PapSmearLast6Years	How long before that Pap smear was the last one?
PC5HadPSATest	Have you ever had a PSA test?
PC6WhenPSATest	When did you have your most recent PSA test to check for prostate cancer?
PC7PSALast5Years	How long before that PSA test was the last one?

#### Cancer Risk Behaviors

TU1Smoke100	Have you smoked at least 100 cigarettes in your entire life?
TU2SmokeNow	Do you now smoke cigarettes? (every day, some days, not at all)
TU6WhenQuitSmoke	About how long has it been since you last smoked cigarettes?
FV1Fruits	During the past month, how often did you eat fruit?
FV3Vegetables	During the past month, how often did you eat vegetables?

Ex2Sweat	At least once a week, do you engage in regular activity...long enough to work up a sweat?
HW1Height_Feet	How tall are you without shoes?
HW1Height_Inches	
HW2Weight	How much do you weigh without shoes?

#### Health Status

HS1GeneralHealth	In general, would you say your health is...?
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#### Health Insurance

HS5HealthInsurance	Do you have any kind of health care coverage...?
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#### Demographics

DM1MainActivity	Are you currently...? (employed – unable to work)
DM2MaritalStatus	Are you...?
DM4Hispanic	Are you Hispanic or Latino?
DM5Race	Which one or more of the following would you say is your race? (5 options)
DM6Education	What is the highest grade or year of school you completed?
DM7	Annual household income from all sources? (8 levels)
SPGender	Are you male or female?

Timeline for Submission to Journal: Summer, 2004

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