

# Colon Person (colo\_prsn) Data Dictionary

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## Document Summary

Property	Value
Document Title	Colon Person (colo_prsn): Data Dictionary
Date Created	04/20/2022
Sections	32
Entries	284
Document Filename	dictionary_colo_prsn-mar22-032222.rtf

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## Colon Person (colo\_prsn): Data Dictionary

### Section 1: Identifiers

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Variable	Label	Description	Format Text
<b>build</b>	Build	Masterfile build. Distributed to all datasets and used to identify the version of the database.	Char, 30
<b>plco_id</b>	PLCO ID	PLCO ID	Char, 8
<b>build_cancers</b>	Build Cancer Cohort	The source of the cancer incidence data.	1="Trial Only"
<b>build_death_cutoff</b>	Build Death Cutoff		4="Deaths through 2018"
<b>build_incidence_cutoff</b>	Build Incidence Cutoff	The censoring cutoff for cancer incidence data associated with the dataset.	1="Cancer Incidence Data Through 2009"

## Section 2: Study

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Variable	Label	Description	Format Text
<b>ph_colo_trial</b>	Trial Personal History of Colorectal Cancer	Did the participant have a personal history of colorectal cancer prior to trial entry?	0="No" 1="Yes"
<b>ph_any_trial</b>	Trial Personal History of Any Cancer	Did the participant have a personal history of any cancer prior to trial entry?	0="No" 1="Yes" 9="Unknown"
<b>in_tgwas_population</b>	In Total GWAS Population	Final denominator of Total GWAS population	0="No" 1="Yes"

## Section 3: BQ Eligibility

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Variable	Label	Description	Format Text
<b>colo_eligible_bq</b>	BQ Colorectal Analysis: Eligible?	Flagged participants must have completed a valid questionnaire, had no history of colorectal cancer prior to the trial or the questionnaire, and had time at risk for their first cancer following the questionnaire.	0="No" 1="Yes"
<b>entryage_bq</b>	BQ Analysis Entry Age	Age at BQ analysis entry.	Numeric .F="No Form"
<b>entrydays_bq</b>	BQ Analysis Entry Days	Days from the date of randomization until the participant has been randomized and completed the BQ.	Numeric .F="No Form"
<b>ph_colo_bq</b>	BQ Analysis Personal History of Colorectal Cancer	Did the participant have a personal history of colorectal cancer prior to BQ analysis entry?	.F="No Form" 0="No" 1="Yes"
<b>ph_any_bq</b>	BQ Analysis Personal History of Any Cancer	Did the participant have a personal history of any cancer prior to BQ analysis entry?	.F="No Form" 0="No" 1="Yes" 9="Unknown"

## Section 4: DHQ Eligibility

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Variable	Label	Description	Format Text
<b>colo_eligible_dhq</b>	DHQ Colorectal Analysis: Eligible?	Flagged participants must have completed a valid questionnaire, had no history of cancer prior to the trial or the questionnaire, and had time at risk for their first cancer following the questionnaire.	0="No" 1="Yes"
<b>entryage_dhq</b>	DHQ Analysis Entry Age	Age at DHQ analysis entry.	Numeric .F="No Form" .M="Missing"
<b>entrydays_dhq</b>	DHQ Analysis Entry Days	Days from the date of randomization until participant has been randomized and completed the BQ and DHQ.	Numeric .F="No Form" .M="Missing"
<b>ph_colo_dhq</b>	DHQ Analysis Personal History of Colorectal Cancer	Did the participant have a personal history of colorectal cancer prior to DHQ analysis entry?	.F="No Form" 0="No" 1="Yes"
<b>ph_any_dhq</b>	DHQ Analysis Personal History of Any Cancer	Did the participant have a personal history of any cancer prior to DHQ analysis entry?	.F="No Form" 0="No" 1="Yes" 9="Unknown"

## Section 5: DQX Eligibility

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Variable	Label	Description	Format Text
<b>colo_eligible_dqx</b>	DQX Colorectal Analysis: Eligible?	Flagged participants must have completed a valid questionnaire, had no history of cancer prior to the trial or the questionnaire, and had time at risk for their first cancer following the questionnaire.	0="No" 1="Yes"
<b>entryage_dqx</b>	DQX Analysis Entry Age	Age at DQX analysis entry.	Numeric .F="No Form" .M="Missing"
<b>entrydays_dqx</b>	DQX Analysis Entry Days	Days from the date of randomization until participant has been randomized and completed the BQ and DQX.	Numeric .F="No Form" .M="Missing"
<b>ph_colo_dqx</b>	DQX Analysis Personal History of Colorectal Cancer	Did the participant have a personal history of colorectal cancer prior to DQX analysis entry?	.F="No Form" 0="No" 1="Yes"
<b>ph_any_dqx</b>	DQX Analysis Personal History of Any Cancer	Did the participant have a personal history of any cancer prior to DQX analysis entry?	.F="No Form" 0="No" 1="Yes" 9="Unknown"



## Section 6: SQX Eligibility

Variable	Label	Description	Format Text
<b>colo_eligible_sqx</b>	SQX Colorectal Analysis: Eligible?	Flagged participants must have completed a valid questionnaire, had no history of colorectal cancer prior to the trial or the questionnaire, and had time at risk for their first cancer following the questionnaire.	0="No" 1="Yes"
<b>entryage_sqx</b>	SQX Analysis Entry Age	Age at SQX analysis entry.	Numeric .F="No Form"
<b>entrydays_sqx</b>	SQX Analysis Entry Days	Days from the date of randomization until the participant has been randomized and completed the BQ and SQX.	Numeric .F="No Form"
<b>ph_colo_sqx</b>	SQX Analysis Personal History of Colorectal Cancer	Did the participant have a personal history of colorectal cancer prior to SQX analysis entry?	.F="No Form" 0="No" 1="Yes"
<b>ph_any_sqx</b>	SQX Analysis Personal History of Any Cancer	Did the participant have a personal history of any cancer prior to SQX analysis entry?	.F="No Form" 0="No" 1="Yes" 9="Unknown"

## Section 7: MUQ Eligibility

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Variable	Label	Description	Format Text
<b>entryage_muq</b>	MUQ Analysis Entry Age	Age at MUQ analysis entry.	Numeric .F="No Form"
<b>entrydays_muq</b>	MUQ Analysis Entry Days	Days from the date of randomization until the participant has been randomized and completed the BQ and MUQ.	Numeric .F="No Form"
<b>ph_colo_muq</b>	MUQ Analysis Personal History of Colorectal Cancer	Did the participant have a personal history of colorectal cancer prior to MUQ analysis entry?	.F="No Form" 0="No" 1="Yes"
<b>ph_any_muq</b>	MUQ Analysis Personal History of Any Cancer	Did the participant have a personal history of any cancer prior to MUQ analysis entry?	.F="No Form" 0="No" 1="Yes" 9="Unknown"

## Section 8: Exit

Variable	Label	Description	Format Text
<b>colo_exitstat</b>	Colorectal Incidence Exit Status	Status of the participant at exit for colorectal cancer incidence.	0="No Time at Risk" 1="Confirmed Cancer" 2="Confirmed In Situ/Borderline/LMP/Non-Target Cancer" 3="Last Participant Contact Prior to Unconfirmed Report" 4="Last Participant Contact" 5="Death" 6="Date Lost, Prior to Death" 8="Cancer Free at Cutoff" 9="Post-2009 Death, Exit At 12/31/09"
<b>fstcan_exitstat</b>	First Cancer Incidence Exit Status	Status of the participant at exit for first cancer incidence.  Only cancers occurring during the trial are used to determine exit.	0="No Time at Risk" 1="Confirmed Cancer" 3="Last Participant Contact Prior to Unconfirmed Report" 4="Last Participant Contact" 5="Death" 6="Date Lost, Prior to Death" 8="Cancer Free at Cutoff" 9="Post-2009 Death, Exit At 12/31/09"
<b>colo_exitdays</b>	Days Until Colorectal Incidence Exit	Days from trial entry (randomization) to cancer diagnosis for participants with colorectal cancer, or to trial exit otherwise.	Numeric
<b>fstcan_exitdays</b>	Days Until First Cancer Incidence Exit	Days from trial entry (randomization) to first cancer diagnosis for participants with cancer, or to trial exit otherwise.  Only cancers occurring during the trial are used to determine exit.	Numeric
<b>colo_exitage</b>	Colorectal Incidence Exit Age	Age of participant at exit for colorectal incidence. This is age at diagnosis for participants with colorectal cancer and age at trial exit otherwise.	Numeric
<b>fstcan_exitage</b>	First Cancer Incidence Exit Age	Age of participant at exit for first cancer incidence. This is age at diagnosis for participants with cancer and age at trial exit otherwise.  Only cancers occurring during the trial are used to determine exit.	Numeric
<b>mortality_exitstat</b>	Exit Status for Mortality	Status of the participant at mortality exit.  For participants not confirmed dead, this is the most recent contact or NDI search indicating the participant is alive.	1="Death" 2="Last NDI/Cutoff" 3="Refusal" 4="Other"

Variable	Label	Description	Format Text
<b>mortality_exitdays</b>	Days Until Mortality Exit	Days from randomization until mortality exit date.  This is the day of death or the day last known alive. Participants are known alive through either trial contact or by queries to NDI.	Numeric
<b>mortality_exitage</b>	Exit Age for Mortality	Age of the participant at death, or when last known to be alive.	Numeric

## Section 9: Demographics at Trial Entry

Variable	Label	Description	Format Text
<b>age</b>	Age At Randomization	Age at trial entry, computed from date of birth and randomization date.	Numeric
<b>agelevel</b>	Age At Randomization	Categorical version of age, created from the derived age variable.	0="≤ 59" 1="60-64" 2="65-69" 3="≥ 70"
<b>arm</b>	Randomization Arm	Randomization group or arm. The intervention (screening) group or the control (usual-care) group.	1="Intervention" 2="Control"
<b>center</b>	Study Center	The study center at which the participant was randomized.	1="University of Colorado" 2="Georgetown University" 3="Pacific Health Research and Education Institute (Honolulu)" 4="Henry Ford Health System" 5="University of Minnesota" 6="Washington University in St Louis" 8="University of Pittsburgh" 9="University of Utah" 10="Marshfield Clinic Research Foundation" 11="University of Alabama at Birmingham"
<b>rndyear</b>	Year Of Randomization	Calendar year of trial entry, at which point the participant was randomized into an arm.	Numeric
<b>sex</b>	Sex	Sex of the participant.	1="Male" 2="Female"
<b>dual</b>	Screening Dual Consent	Was the participant presented with single consent or dual consent? Three study centers (Henry Ford Health System, Washington University in St Louis and Pacific Health Research Institute in Honolulu) chose the dual consent approach initially. All three centers switched to single consent from 1995 to 1997.	0="No, single consent" 1="Yes, dual consent"

## Section 10: Re-consent

Variable	Label	Description	Format Text
<b>reconsent_outcome</b>	Outcome of the Re-Consent Process	<p>The immediate result of the attempt to transfer the participant to centralized follow-up.</p> <p>Participants alive at trial close-out were informed of the transfer to centralized follow-up, and could request/refuse continued follow-up. In the absence of participant contact, the re-consent outcome was determined by default. The default outcome varied by study center.</p> <p>Active: Transferred to centralized follow-up, including continued contact, state registry query and NDI search.            Passive: No active contact, but allows for state registry query and NDI search.            Lost: Lost to follow-up and not known dead before re-consent. Considered passive at the time of re-consent.            Refused: Declined further follow-up.            Confirmed/Presumed Dead: Death prior to opportunity to re-consent.</p>	1="Active by Request" 2="Active by Default/Follow-up" 3="Passive by Request" 4="Passive by Default/Follow-up" 5="Refused by Request" 6="Refused by Default/Follow-up" 11="Refused Prior to Re-Consent" 12="Confirmed Dead Prior to Re-Consent" 13="Presumed Dead Prior to Re-Consent" 14="Passive, Lost Prior to Re-Consent"
<b>reconsent_outcome_days</b>	Days Until Re-Consent Outcome is Determined	<p>Days from randomization until the participant's re-consent outcome is determined.</p> <p>For participants who re-consented by request or refused by request, this is the time of request. For participants whose transfer status was determined by default, this is an estimated time of request had there been contact. If the participant had refused or died prior to re-consent, this is the time of those events.</p>	Numeric

## Section 11: Screening

Variable	Label	Description	Format Text
<b>fsg_result0/3/5/35</b>	Result of T[X] FSG	Flexible sigmoidoscopy (FSG) screening result for each year.	.C="Control" 1="Negative" 2="Abnormal, Suspicious" 3="Abnormal, Non-Suspicious" 4="Inadequate Screen" 8="Not Done, Expected" 9="Not Done, Not Expected"
<b>fsg_days0/3/5/35</b>	Days Until T[X] FSG	Days from randomization until flexible sigmoidoscopy (FSG) exam for each screen year.	Numeric .C="Control" .F="No Form"
<b>protocolc</b>	FSG Screening Protocol	What study year is the 2nd flexible sigmoidoscopy (FSG) screen expected? T3 or T5.	.C="Control" 3="Expect T3" 5="Expect T5"
<b>lessize0/3/5/35</b>	Largest Lesion Size on T[X] FSG	The size of the largest lesion found on the flexible sigmoidoscopy (FSG) protocol or QA exam in each screen year.	Numeric .C="Control" .F="No Form" .M="Missing" .N="Not Applicable"
<b>fsg_in0/3/5/35</b>	T[X] Inadequate FSG or FSQ Result	If the participant has an inadequate flexible sigmoidoscopy (FSG) exam result, but has a positive/negative QA result, or vice versa, then the variable is set to 3.	.C="Control" .F="No Form" 0="No" 1="Yes, Also Has a Later Screen" 2="Yes, But Does Not Have a Later Screen" 3="Inadequate Screen and Positive/Negative QA, or Vice Versa."
<b>lessize_cat0/3/5/35</b>	Largest Lesion Size on T[X] FSG	Size of the largest lesion on T[X] flexible sigmoidoscopy (FSG).  This variable categorizes the lesion size based on its measurement. For lesions where a comment regarding the size was provided instead of a numerical value, this variable provides the lesion size from the comment.	.C="Control" .F="No Form" .M="Missing" .N="Not Applicable" 1="Diminutive" 2="Small" 3="Large"

## Section 12: Diagnostic Workup

Variable	Label	Description	Format Text
<b>hadcolsc0/3/5/35</b>	Had Endoscopy Following Positive T[X] Screen	This variable records what endoscopic follow-up, if any, occurred after a positive screen. If the participant had more than one type of endoscopy, this variable will indicate colonoscopy over other types of endoscopies, and will indicate endoscopy, NOS over sigmoidoscopy.	.F="No Form" 0="No" 1="Colonoscopy" 2="Endoscopy, NOS" 3="Sigmoidoscopy"
<b>hadcolsc12mon0/3/5/35</b>	Had Endoscopy Within 12 Months Following Positive T[X] Screen	This variable records what endoscopic follow-up, if any, occurred within 12 months of a positive screen? If the participant had more than one type of endoscopy, this variable will indicate colonoscopy over other types of endoscopies, and will indicate endoscopy, NOS over sigmoidoscopy.	.C="Control" .N="Not Applicable" 0="No Screen or No Endoscopies" 1="Colonoscopy" 2="Endoscopy, NOS" 3="Sigmoidoscopy"
<b>hadcolsc_days0/3/5/35</b>	Days Until Follow-up Endoscopy in T[X]	Days from randomization until the earliest endoscopy of the type specified by hadcolsc0/3/5/35.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>colo_mra_stat0/3/5/35</b>	T[X] Colorectal Medical Record Abstracting Status	Captures whether the participant had follow-up in response to a positive screen. In particular, it is used to distinguish between when the trial knows a participant did not have follow-up, and when the trial does not have enough information to know.	0="No Positive Screen" 1="Complete Information with Procedures" 2="Complete Information with No Procedures" 3="Incomplete Information, Unknown If Procedures"



## Section 13: Polyps

Variable	Label	Description	Format Text
<b>colsw_eith0/3/5/35</b>	Worst Finding Following Positive T[X] Screen	What was the worst finding on either side of the colon in each screening year? Lower numbers in the format correspond to worse findings than higher numbers (i.e. cancer is the worst finding, advanced adenoma is second worst, etc.).	.F="No Form" 1="Cancer" 2="Advanced Adenoma" 3="Adenoma" 4="Hyperplastic Polyp" 5="Benign Polyp, NOS" 6="Had Colonoscopy" 7="Had Endoscopy, NOS" 8="Had Sigmoidoscopy" 9="No Endoscopy"
<b>colsw_eith_days0/3/5/35</b>	Days Until Worst Finding Following Positive T[X] Screen	Days from randomization until the worst finding on either side of the colon in each screening year.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>colsw_left0/3/5/35</b>	Worst Finding on Left Side Following Positive T[X] Screen	What was the worst finding on the left side of the colon in each screening year? Lower numbers in the format correspond to worse findings than higher numbers (i.e. cancer is the worst finding, advanced adenoma is second worst, etc.).	.F="No Form" 1="Cancer" 2="Advanced Adenoma" 3="Adenoma" 4="Hyperplastic Polyp" 5="Benign Polyp, NOS" 6="Had Colonoscopy" 7="Had Endoscopy, NOS" 8="Had Sigmoidoscopy" 9="No Endoscopy"
<b>colsw_left_days0/3/5/35</b>	Days Until Worst Finding on Left Side Following Positive T[X] Screen	Days from randomization until the worst finding on the left side of the colon in each screening year.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>colsw_rght0/3/5/35</b>	Worst Finding on Right Side Following Positive T[X] Screen	What was the worst finding on the right side of the colon in each screening year? Lower numbers in the format correspond to worse findings than higher numbers (i.e. cancer is the worst finding, advanced adenoma is second worst, etc.).	.F="No Form" 1="Cancer" 2="Advanced Adenoma" 3="Adenoma" 4="Hyperplastic Polyp" 5="Benign Polyp, NOS" 6="Had Colonoscopy" 7="Had Endoscopy, NOS" 9="No Endoscopy or Only Sigmoidoscopy"
<b>colsw_rght_days0/3/5/35</b>	Days Until Worst Finding on Right Side Following Positive T[X] Screen	Days from randomization until the worst finding on the right side of the colon in each screening year.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>aden_count_eith0/3/5/35</b>	Count of Adenomas Found Following Positive T[X] Screen	Number of adenomas found on either side of the colon in each screening year.	Numeric .F="No Form"
<b>aden_count_left0/3/5/35</b>	Count of Adenomas Found on Left Side Following Positive T[X] Screen	Number of adenomas found on the left side of the colon in each screening year.	Numeric .F="No Form"

Variable	Label	Description	Format Text
<b>aden_count_rght0/3/5/35</b>	Count of Adenomas Found on Right Side Following Positive T[X] Screen	Number of adenomas found on the right side of the colon in each screening year.	Numeric .F="No Form"
<b>adeneith0/3/5/35</b>	Adenoma Found Following Positive T[X] Screen	Was an adenoma found on either side of the colon in each screening year?	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No Known Endoscopy"
<b>adeneith_days0/3/5/35</b>	Days Until Adenoma Found Following Positive T[X] Screen	Days from randomization until an adenoma was first found on either side of the colon in each screening year. If it is uncertain whether there was an adenoma, this is the days until a possible adenoma was found.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>adenleft0/3/5/35</b>	Adenoma Found on Left Side Following Positive T[X] Screen	Was an adenoma found on the left side of the colon in each screening year?	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No Known Endoscopy"
<b>adenleft_days0/3/5/35</b>	Days Until Adenoma Found on Left Side Following Positive T[X] Screen	Days from randomization until an adenoma was first found on the left side of the colon in each screening year. If it is uncertain whether there was an adenoma, this is the days until a possible adenoma was found.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>adenrght0/3/5/35</b>	Adenoma Found on Right Side Following Positive T[X] Screen	Was an adenoma found on the right side of the colon in each screening year?	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No Known Endoscopy"
<b>adenrght_days0/3/5/35</b>	Days Until Adenoma Found on Right Side Following Positive T[X] Screen	Days from randomization until an adenoma was first found on the right side of the colon in each screening year. If it is uncertain whether there was an adenoma, this is the days until a possible adenoma was found.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>adveith0/3/5/35</b>	Advanced Adenoma Found Following Positive T[X] Screen	Was an advanced adenoma found on either side of the colon in each screening year? Advanced adenomas include in situ carcinomas, villous adenomas, large adenomas, and adenomas with dysplasia.	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No Known Endoscopy"
<b>adveith_days0/3/5/35</b>	Days Until Advanced Adenoma Found Following Positive T[X] Screen	Days from randomization until an advanced adenoma was first found on either side of the colon in each screening year. If it is uncertain whether there was an advanced adenoma, this is the days until a possible advanced adenoma was found.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>advleft0/3/5/35</b>	Advanced Adenoma Found on Left Side Following Positive T[X] Screen	Was an advanced adenoma found on the left side of the colon in each screening year? Advanced adenomas include in situ carcinomas, villous adenomas, large ( $\geq 1$ cm) adenomas, and adenomas with dysplasia.	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No Known Endoscopy"

Variable	Label	Description	Format Text
<b>advleft_days0/3/5/35</b>	Days Until Advanced Adenoma Found on Left Side Following Positive T[X] Screen	Days from randomization until an advanced adenoma was first found on the left side of the colon in each screening year. If it is uncertain whether there was an advanced adenoma, this is the days until a possible advanced adenoma was found.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>advrght0/3/5/35</b>	Advanced Adenoma Found on Right Side Following Positive T[X] Screen	Was an advanced adenoma found on the right side of the colon in each screening year? Advanced adenomas include in situ carcinomas, villous adenomas, large (>= 1 cm) adenomas, and adenomas with dysplasia.	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No Known Endoscopy"
<b>advrght_days0/3/5/35</b>	Days Until Advanced Adenoma Found on Right Side Following Positive T[X] Screen	Days from randomization until an advanced adenoma was first found on the right side of the colon in each screening year. If it is uncertain whether there was an advanced adenoma, this is the days until a possible advanced adenoma was found.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>villeith0/3/5/35</b>	Villous Adenoma Found Following Positive T[X] Screen	Was a villous adenoma found on either side of the colon in each screening year. Both completely villous and tubulovillous adenomas are considered villous for this variable.	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No Known Endoscopy"
<b>villeith_days0/3/5/35</b>	Days Until Villous Adenoma Found Following Positive T[X] Screen	Days until a villous adenoma was found on either side of the colon in each screening year. If it is uncertain whether there was a villous adenoma, this is the days until a possible villous adenoma was found.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>villleft0/3/5/35</b>	Villous Adenoma Found on Left Side Following Positive T[X] Screen	Was a villous adenoma found on the left side of the colon in each screening year. Both completely villous and tubulovillous adenomas are considered villous for this variable.	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No Known Endoscopy"
<b>villleft_days0/3/5/35</b>	Days Until Villous Adenoma Found on Left Side Following Positive T[X] Screen	Days until a villous adenoma was found on the left side of the colon in each screening year. If it is uncertain whether there was a villous adenoma, this is the days until a possible villous adenoma was found.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>villrght0/3/5/35</b>	Villous Adenoma Found on Right Side Following Positive T[X] Screen	Was a villous adenoma found on the right side of the colon in each screening year. Both completely villous and tubulovillous adenomas are considered villous for this variable.	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No Known Endoscopy"
<b>villrght_days0/3/5/35</b>	Days Until Villous Adenoma Found on Right Side Following Positive T[X] Screen	Days until a villous adenoma was found on the right side of the colon in each screening year. If it is uncertain whether there was a villous adenoma, this is the days until a possible villous adenoma was found.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"

Variable	Label	Description	Format Text
<b>dyspeith0/3/5/35</b>	Polyp with Dysplasia Found Following Positive T[X] Screen	Was a polyp with severe dysplasia found on either side of the colon in each screening year. This variable only reflects whether there was a polyp with severe dysplasia, not mild or moderate dysplasia.	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No known Endoscopy"
<b>dyspeith_days0/3/5/35</b>	Days Until Polyp with Dysplasia Found Following Positive T[X] Screen	Days until a polyp with severe dysplasia was found on either side of the colon in each screening year. If it is uncertain whether a polyp had severe dysplasia, this is the days until a polyp where dysplasia information is uncertain.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>dyspleft0/3/5/35</b>	Polyp with Dysplasia Found on Left Side Following Positive T[X] Screen	Was a polyp with severe dysplasia found on the left side of the colon in each screening year. This variable only reflects whether there was a polyp with severe dysplasia, not mild or moderate dysplasia.	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No known Endoscopy"
<b>dyspleft_days0/3/5/35</b>	Days Until Polyp with Dysplasia Found on Left Side Following Positive T[X] Screen	Days until a polyp with severe dysplasia was found on the left side of the colon in each screening year. If it is uncertain whether a polyp had severe dysplasia, this is the days until a polyp where dysplasia information is uncertain.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>dysprght0/3/5/35</b>	Polyp with Dysplasia Found on Right Side Following Positive T[X] Screen	Was a polyp with severe dysplasia found on the right side of the colon in each screening year. This variable only reflects whether there was a polyp with severe dysplasia, not mild or moderate dysplasia.	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No known Endoscopy"
<b>dysprght_days0/3/5/35</b>	Days Until Polyp with Dysplasia Found on Right Side Following Positive T[X] Screen	Days until a polyp with severe dysplasia was found on the right side of the colon in each screening year. If it is uncertain whether a polyp had severe dysplasia, this is the days until a polyp where dysplasia information is uncertain.	Numeric .F="No Form" .N="Not Applicable"
<b>dyspw_eith0/3/5/35</b>	Worst Level of Dysplasia Found Following Positive T[X] Screen	The worst dysplasia found on either side of the colon in each screening year. If dysplasia information was not available, the level for no dysplasia is used. The levels 1, "mild," and 3, "severe," are reversed from the order of the levels on the Diagnostic Evaluation form.	.F="No Form" 0="No Dysplasia" 1="Severe Dysplasia" 2="Moderate Dysplasia" 3="Mild Dysplasia" 10="No Known Endoscopy"
<b>dyspw_left0/3/5/35</b>	Worst Level of Dysplasia Found on Left Side Following Positive T[X] Screen	The worst dysplasia found on the left side of the colon in each screening year. If dysplasia information was not available, the level for no dysplasia is used. The levels 1, "mild," and 3, "severe," are reversed from the order of the levels on the Diagnostic Evaluation form.	.F="No Form" 0="No Dysplasia" 1="Severe Dysplasia" 2="Moderate Dysplasia" 3="Mild Dysplasia" 9="Unknown" 10="No Known Endoscopy"
<b>dyspw_rght0/3/5/35</b>	Worst Level of Dysplasia Found on Right Side Following Positive T[X] Screen	The worst dysplasia found on the right side of the colon in each screening year. If dysplasia information was not available, the level for no dysplasia is used. The levels 1, "mild," and 3, "severe," are reversed from the order of the levels on the Diagnostic Evaluation form.	.F="No Form" 0="No Dysplasia" 1="Severe Dysplasia" 2="Moderate Dysplasia" 3="Mild Dysplasia" 9="Unknown" 10="No Known Endoscopy"

Variable	Label	Description	Format Text
<b>insieith0/3/5/35</b>	In Situ Carcinoma Found Following Positive T[X] Screen	Did the participant have an in situ carcinoma on either side of the colon in each screening year?	.F="No Form" 0="No" 1="Yes"
<b>insileft0/3/5/35</b>	In Situ Carcinoma Found on Left Side Following Positive T[X] Screen	Did the participant have an in situ carcinoma on either side of the colon in each screening year?	.F="No Form" 0="No" 1="Yes"
<b>insirght0/3/5/35</b>	In Situ Carcinoma Found on Right Side Following Positive T[X] Screen	Did the participant have an in situ carcinoma on either side of the colon in each screening year?	.F="No Form" 0="No" 1="Yes"
<b>largeith0/3/5/35</b>	Large Adenoma Found Following Positive T[X] Screen	Was a large (>= 1 cm) adenoma found on either side of the colon in each screening year? The level for "probably large" is used when a polyp record indicated multiple polyps were recorded together in a single record, with at least one of those polyps being an adenoma and at least one of those polyps being large.	.F="No Form" 0="No" 1="Yes" 2="Probable Large" 9="Unknown" 10="No Known Endoscopy"
<b>largeith_days0/3/5/35</b>	Days Until Large Adenoma Found Following Positive T[X] Screen	Days from randomization until a large (>= 1cm) adenoma was found on either side of the colon in each screening year. If it is uncertain whether there was a large adenoma, this is the days until a possible large adenoma was found.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>largeth0/3/5/35</b>	Large Adenoma Found on Left Side Following Positive T[X] Screen	Was a large (>= 1 cm) adenoma found on the left side of the colon in each screening year? The level for "probably large" is used when a polyp record indicated multiple polyps were recorded together in a single record, with at least one of those polyps being an adenoma and at least one of those polyps being large.	.F="No Form" 0="No" 1="Yes" 2="Probable Large" 9="Unknown" 10="No Known Endoscopy"
<b>largeth_days0/3/5/35</b>	Days Until Large Adenoma Found on Left Side Following Positive T[X] Screen	Days from randomization until a large (>= 1 cm) adenoma was found on the left side of the colon in each screening year. If it is uncertain whether there was a large adenoma, this is the days until a possible large adenoma was found.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>largrht0/3/5/35</b>	Large Adenoma Found on Right Side Following Positive T[X] Screen	Was a large (>= 1 cm) adenoma found on the right side of the colon in each screening year? The level for "probably large" is used when a polyp record indicated multiple polyps were recorded together in a single record, with at least one of those polyps being an adenoma and at least one of those polyps being large.	.F="No Form" 0="No" 1="Yes" 2="Probable Large" 9="Unknown" 10="No Known Endoscopy"
<b>largrht_days0/3/5/35</b>	Days Until Large Adenoma Found on Right Side Following Positive T[X] Screen	Days from randomization until a large (>= 1cm) adenoma was found on the right side of the colon in each screening year. If it is uncertain whether there was a large adenoma, this is the days until a possible large adenoma was found.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>rsizeith0/3/5/35</b>	Size (mm) of Largest Adenoma Found Following Positive T[X] Screen	Size in millimeters of the largest adenoma on either side of the colon in each screening year.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"

Variable	Label	Description	Format Text
<b>rsizleft0/3/5/35</b>	Size (mm) of Largest Adenoma Found on Left Side Following Positive T[X] Screen	Size in millimeters of the largest adenoma on the left side of the colon in each screening year.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>rsizrgh0/3/5/35</b>	Size (mm) of Largest Adenoma Found on Right Side Following Positive T[X] Screen	Size in millimeters of the largest adenoma on the right side of the colon in each screening year.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>sizeeith0/3/5/35</b>	Size of Largest Adenoma Found Following Positive T[X] Screen	Size of the largest adenoma on either side of the colon in each screening year.	.F="No Form" 0="No Known Adenoma" 1="Diminutive" 2="Small" 3="Large" 9="No Known Size"
<b>sizeeith_days0/3/5/35</b>	Days Until Largest Adenoma Found Following Positive T[X] Screen	Days from randomization until the largest adenoma on either side of the colon was found in each screening year. If the largest adenoma is unclear, this is the days until the first adenoma that could be the largest.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>sizeleft0/3/5/35</b>	Size of Largest Adenoma Found on Left Side Following Positive T[X] Screen	Size of the largest adenoma on the left side of the colon in each screening year.	.F="No Form" 0="No Known Adenoma" 1="Diminutive" 2="Small" 3="Large" 9="No Known Size"
<b>sizeleft_days0/3/5/35</b>	Days Until Largest Adenoma Found on Left Side Following Positive T[X] Screen	Days from randomization until the largest adenoma on the left side of the colon was found in each screening year. If the largest adenoma is unclear, this is the days until the first adenoma that could be the largest.	Numeric .F="No Form" .N="Not Applicable"
<b>sizerght0/3/5/35</b>	Size of Largest Adenoma Found on Right Side Following Positive T[X] Screen	Size of the largest adenoma on the right side of the colon in each screening year.	.F="No Form" 0="No Known Adenoma" 1="Diminutive" 2="Small" 3="Large" 9="No Known Size"
<b>sizerght_days0/3/5/35</b>	Days Until Largest Adenoma Found on Right Side Following Positive T[X] Screen	Days from randomization until the largest adenoma on the right side of the colon was found in each screening year. If the largest adenoma is unclear, this is the days until the first adenoma that could be the largest.	Numeric .F="No Form" .M="Missing" .N="Not Applicable"
<b>multeith0/3/5/35</b>	Multiple Adenomas Found Following Positive T[X] Screen	Were multiple adenomas found on either side of the colon in each screening year?	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No known endoscopy"
<b>multleft0/3/5/35</b>	Multiple Adenomas Found on Left Side Following Positive T[X] Screen	Were multiple adenomas found on the left side of the colon in each screening year?	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No Known Endoscopy"

Variable	Label	Description	Format Text
<b>multrght0/3/5/35</b>	Multiple Adenomas Found on Right Side Following Positive T[X] Screen	Were multiple adenomas found on the right side of the colon in each screening year?	.F="No Form" 0="No" 1="Yes" 9="Unknown" 10="No Known Endoscopy"
<b>numadv0/3/5/35</b>	Number of Advanced Adenomas in Study Years [X]		Numeric .F="No Form" .M="Missing data" .V="Missing"
<b>numnoadv0/3/5/35</b>	Number of Non-Advanced Adenomas in Study Years [X]		Numeric .F="No Form" .M="Missing data" .V="Missing"

## Section 14: Cancer Diagnosis

Variable	Label	Description	Format Text
<b>colo_cancer</b>	Confirmed Colorectal Cancer	Does the participant have confirmed primary invasive colorectal cancer diagnosed during the trial?	0="No Confirmed Cancer" 1="Confirmed Cancer"
<b>colo_cancer_diagdays</b>	Colorectal Confirmed Cancer Diagnosis Days		Numeric .N="Not Applicable"
<b>colo_cancer_first</b>	Was Colorectal Cancer the First Diagnosed Cancer?	Among all of a participant's cancers diagnosed during the trial, was colorectal cancer the earliest?	.N="Not Applicable" 0="No" 1="Yes"
<b>intstatc_cat</b>	Colorectal Cancer Screen Detected vs. Interval Status	Classifies colorectal cancers based on their screen detected or interval status.	0="No Cancer" 1="Control With Cancer" 2="Never Screened" 3="Post-Screening" 4="Interval" 5="Screen Dx"
<b>reasfolc</b>	Reason For Initial Clinical Assessment: Followup Of Positive Screen (Cancer Year)?	DEC2-5 DEC3-2 Was follow-up to a positive screen listed as a reason for the initial visit for clinical assessment in the cancer year? This question was not asked on version 1 forms.	.F="No Form" .V="Not Asked - Version 1 Form" 0="No" 1="Yes"
<b>reasothc</b>	Reason For Initial Clinical Assessment: Other (Specify) (Cancer Year)?	DEC2-5 DEC3-2 Was an other reason listed as a reason for the initial visit for clinical assessment in the cancer year? This question was not asked on version 1 forms.	.F="No Form" .V="Not Asked - Version 1 Form" 0="No" 1="Yes"
<b>reassurvc</b>	Reason For Initial Clinical Assessment: Surveillance (Cancer Year)?	DEC2-5 Was surveillance listed as a reason for the initial visit for clinical assessment in the cancer year? This question was not asked on version 1 forms, and this answer was not a choice on version 3 forms.	.F="No Form" .V="Not Asked - Version 1 or 3 Form" 0="No" 1="Yes"
<b>reassympc</b>	Reason For Initial Clinical Assessment: Symptomatic (Cancer Year)?	DEC2-5 DEC3-2 Was being symptomatic listed as a reason for the initial visit for clinical assessment in the cancer year? This question was not asked on version 1 forms.	.F="No Form" .V="Not Asked - Version 1 Form" 0="No" 1="Yes"
<b>colo_annyr</b>	Colorectal Cancer Anniversary Year	Full years elapsed before colorectal cancer diagnosis (from randomization/trial entry).	Numeric .N="Not Applicable"
<b>num_canc</b>	Number of Confirmed, DE-only Reported, or In Situ Cancers		Numeric



## Section 15: Cancer Characteristics

Variable	Label	Description	Format Text
<b>colo_stage</b>	Colorectal Stage (AJCC 5th Edition)		.M="Missing data" .N="Not Applicable" 100="Stage I" 200="Stage II" 300="Stage III" 400="Stage IV" 994="Carcinoid, cannot be assessed"
<b>colo_stage_m</b>	Colorectal Stage M Component	Pathologic M is preferred over clinical M, unless there is neoadjuvant treatment.	.M="Missing data" .N="Not Applicable" 0="M0" 100="M1" 994="Carcinoid, cannot be assessed" 999="MX"
<b>colo_stage_n</b>	Colorectal Stage N Component	Pathologic N is preferred over clinical N, unless there is neoadjuvant treatment.	.M="Missing data" .N="Not Applicable" 0="N0" 100="N1" 200="N2" 300="N3" 994="Carcinoid, cannot be assessed" 999="NX"
<b>colo_stage_t</b>	Colorectal Stage T Component	Pathologic T is preferred over clinical T, unless there is neoadjuvant treatment.	.M="Missing data" .N="Not Applicable" 100="T1" 200="T2" 300="T3" 400="T4" 994="Carcinoid, cannot be assessed" 999="TX"
<b>colo_clinstage</b>	Colorectal Clinical Stage (AJCC 5th Edition)		.M="Missing data" .N="Not Applicable" 100="Stage I" 200="Stage II" 300="Stage III" 400="Stage IV" 994="Carcinoid, cannot be assessed"
<b>colo_clinstage_m</b>	Colorectal Clinical Stage M Component		.M="Missing data" .N="Not Applicable" 0="M0" 100="M1" 994="Carcinoid, cannot be assessed" 999="MX"

Variable	Label	Description	Format Text
<b>colo_clinstage_n</b>	Colorectal Clinical Stage N Component		.M="Missing data" .N="Not Applicable" 0="N0" 100="N1" 200="N2" 994="Carcinoid, cannot be assessed" 999="NX"
<b>colo_clinstage_t</b>	Colorectal Clinical Stage T Component		.M="Missing data" .N="Not Applicable" 0="T0" 20="Tis" 100="T1" 200="T2" 300="T3" 400="T4" 994="Carcinoid, cannot be assessed" 999="TX"
<b>colo_pathstage</b>	Colorectal Pathologic Stage (AJCC 5th Edition)		.M="Missing data" .N="Not Applicable" 100="Stage I" 200="Stage II" 300="Stage III" 400="Stage IV" 994="Carcinoid, cannot be assessed"
<b>colo_pathstage_m</b>	Colorectal Pathologic Stage M Component		.M="Missing data" .N="Not Applicable" 0="M0" 100="M1" 994="Carcinoid, cannot be assessed" 999="MX"
<b>colo_pathstage_n</b>	Colorectal Pathologic Stage N Component		.M="Missing data" .N="Not Applicable" 0="N0" 100="N1" 200="N2" 300="N3" 994="Carcinoid, cannot be assessed" 999="NX"
<b>colo_pathstage_t</b>	Colorectal Pathologic Stage T Component		.M="Missing data" .N="Not Applicable" 0="T0" 100="T1" 200="T2" 300="T3" 400="T4" 994="Carcinoid, cannot be assessed" 999="TX"

Variable	Label	Description	Format Text
<b>colo_stage_7e</b>	Colorectal Stage (AJCC 7th Edition)	<p>Stage for colorectal cancer calculated using the AJCC 7th edition staging manual.</p> <p>The trial collected stage using the AJCC 5th edition staging manual. The 7th edition stage has been calculated by using the TNM components recorded for the 5th edition stage, but applying the staging algorithm from the 7th edition staging manual.</p>	.M="Missing data" .N="Not Applicable" 100="Stage I" 200="Stage II" 210="Stage IIA" 300="Stage III" 310="Stage IIIA" 320="Stage IIIB" 330="Stage IIIC" 400="Stage IV" 994="Carcinoid, cannot be assessed"
<b>colo_clinstage_7e</b>	Colorectal Clinical Stage (AJCC 7th Edition)	<p>Clinical stage for colorectal cancer calculated using the AJCC 7th edition staging manual.</p> <p>The trial collected stage using the AJCC 5th edition staging manual. The 7th edition stage has been calculated by using the TNM components recorded for the 5th edition stage, but applying the staging algorithm from the 7th edition staging manual.</p>	.M="Missing data" .N="Not Applicable" 100="Stage I" 200="Stage II" 210="Stage IIA" 300="Stage III" 310="Stage IIIA" 320="Stage IIIB" 330="Stage IIIC" 400="Stage IV" 994="Carcinoid, cannot be assessed"
<b>colo_pathstage_7e</b>	Colorectal Pathologic Stage (AJCC 7th Edition)	<p>Pathologic stage for colorectal cancer calculated using the AJCC 7th edition staging manual.</p> <p>The trial collected stage using the AJCC 5th edition staging manual. The 7th edition stage has been calculated by using the TNM components recorded for the 5th edition stage, but applying the staging algorithm from the 7th edition staging manual.</p>	.M="Missing data" .N="Not Applicable" 100="Stage I" 200="Stage II" 210="Stage IIA" 300="Stage III" 310="Stage IIIA" 320="Stage IIIB" 330="Stage IIIC" 400="Stage IV" 994="Carcinoid, cannot be assessed"
<b>colo_appendix_cancer</b>	Is This a Cancer of the Appendix?	Is this a cancer of the appendix?	0="No" 1="Yes"
<b>colo_cancer_type</b>	Colorectal Cancer Type		.N="Not Applicable" 1="Colorectal Cancer" 2="Colorectal Carcinoid"
<b>colo_icdo2_tmrlc</b>	Colorectal Tumor Location (from ICD-O-2 topography)	Tumor location based on ICD topography.	0="Not Applicable" 1="Rectum, NOS or Cloacogenic Zone or Overlapping Lesion of Rectum, Anus and Anal Cavity" 2="Rectosigmoid Junction" 3="Sigmoid Colon" 4="Descending Colon" 5="Splenic Flexure of Colon" 6="Transverse Colon" 7="Hepatic Flexure of Colon" 8="Ascending Colon" 10="Cecum" 11="Overlapping Lesion of Colon" 12="Colon, NOS"

Variable	Label	Description	Format Text
<b>colo_location</b>	Colorectal Cancer Location	Where was the colon tumor located using both the ICD topography and the bubbled carcinoma records.	.N="Not Applicable" 1="Rectum, NOS or Cloacogenic Zone or Overlapping Lesion of Rectum, Anus and Anal Cavity" 2="Rectosigmoid Junction" 3="Sigmoid Colon" 4="Descending Colon" 5="Splenic Flexure of Colon" 6="Transverse Colon" 7="Hepatic Flexure of Colon" 8="Ascending Colon" 10="Cecum" 12="Colon, NOS"
<b>colo_location_rectum</b>	Colorectal Cancer Location - Rectum or Colon	Colorectal tumor location classified into rectum, colon, or unclear.	.N="Not Applicable" 1="Rectum" 2="Colon" 3="Unclear"
<b>colo_location_side</b>	Colorectal Cancer Side/Location	Colorectal tumor location classified into distal/proximal or unclear.	.N="Not Applicable" 1="Distal" 2="Proximal" 3="Unclear"
<b>colo_location_summary</b>	Colorectal Cancer Location Summary	Colorectal tumor location classification, breaking out splenic flexure.	.N="Not Applicable" 1="Rectosigmoid" 2="Splenic Flexure or Descending" 3="Proximal (Except for Splenic Flexure)" 4="Unclear"
<b>colo_behavior</b>	Colon Cancer Behavior (ICD-O-2)	DEC1-C.15 DEC2-C.17 DEC3-C.12  ICD-O-2 behavior code.	.N="Not Applicable" 3="Malignant"
<b>colo_grade</b>	Colon Cancer Grade (ICD-O-2)	DEC1-C.15 DEC2-C.17 DEC3-C.12  ICD-O-2 grade.	.N="Not Applicable" 1="Well Differentiated (Grade I)" 2="Moderately Differentiated (Grade II)" 3="Poorly Differentiated (Grade III)" 4="Undifferentiated (Grade IV)" 9="Unknown"
<b>colo_morphology</b>	Colon Cancer Morphology (ICD-O-2)	DEC1-C.15 DEC2-C.17 DEC3-C.12  ICD-O-2 morphology. Valid range is 8000-9989.	Reference ICD-O-2 Documentation .N="Not Applicable"

Variable	Label	Description	Format Text
<b>colo_seer</b>	SEER Site Recode	SEER Program cancer classification for ICD-O-2. This is only available for confirmed cancers.	.N="Not Applicable" 21041="Colon: Cecum" 21043="Colon: Ascending Colon" 21044="Colon: Hepatic Flexure" 21045="Colon: Transverse Colon" 21046="Colon: Splenic Flexure" 21047="Colon: Descending Colon" 21048="Colon: Sigmoid Colon" 21049="Colon: Large Intestine, NOS" 21051="Rectosigmoid Junction" 21052="Rectum" 21060="Anus, Anal Canal, and Anorectum"
<b>colo_topography</b>	Colon Cancer Topography (ICD-O-2)	DEC1-C.15 DEC2-C.17 DEC3-C.12  ICD-O-2 topography. Valid range is C000 - C809.	"C180"="Cecum" "C182"="Ascending colon" "C183"="Hepatic flexure of colon" "C184"="Transverse colon" "C185"="Splenic flexure of colon" "C186"="Descending colon" "C187"="Sigmoid colon" "C188"="Overlapping lesion of colon" "C189"="Colon, NOS" "C199"="Rectosigmoid junction" "C209"="Rectum, NOS" "C212"="Cloacogenic zone" "C218"="Overlapping lesion of rectum, anus and anal canal"

## Section 16: Treatments

Variable	Label	Description	Format Text
<b>primary_trtc</b>	Known Primary Treatment for Colorectal Cancer	What is the initial primary treatment intended to cure the participant of colorectal cancer.	0="No Cancer" 1="Resection Without Chemotherapy" 2="Resection With Chemotherapy" 3="Chemotherapy Without Resection" 4="Has Treatment Form, No Known Treatment With Curative Intent" 10="Treatment Data Could Not Be Collected"
<b>primary_trtc_days</b>	Days Until Primary Treatment for Colorectal Cancer	Days from randomization until the first known primary treatment for colorectal cancer.	Numeric .N="Not Applicable"
<b>curative_chemoc</b>	Had Chemotherapy for Colorectal Cancer	Did the participant have chemotherapy as part of the initial treatment for colorectal cancer?	.F="No Treatment Form" .N="Not Applicable" 0="No" 1="Yes"
<b>curative_radc</b>	Had Radiation Treatment for Colorectal Cancer	Did the participant have radiation treatment as part of the initial treatment for colorectal cancer?	.F="No Treatment Form" .N="Not Applicable" 0="No" 1="Yes"
<b>curative_resectc</b>	Had Resection for Colorectal Cancer	Did the participant have a resection with curative intent as part of the initial treatment for colorectal cancer?	.F="No Treatment Form" .N="Not Applicable" 0="No" 1="Yes"
<b>neoadjuvantc</b>	Had Neoadjuvant Treatment for Colorectal Cancer?	Indicates whether the participant received neoadjuvant treatment before receiving a resection with curative intent.	.N="Not Applicable" 0="No" 1="Yes"

## Section 17: Incident Adenoma

Variable	Label	Description	Format Text
<b>iaden_cohort</b>	In incident adenoma cohort	Indicates if a participant is in the incident adenoma cohort.  A participant is in the incident adenoma cohort if they had a negative screen at baseline and had either a negative screen at T3/T5 or a positive screen at T3/T5 with a left-sided adenoma found on follow-up to the screen.	.C="Control Arm" 0="Not in Incident Adenoma Cohort" 1="In Incident Adenoma Cohort"
<b>iaden_aden</b>	Has an incident adenoma	Indicates if participants in the incident adenoma cohort had an incident adenoma.  A participant is considered to have an incident adenoma if they are in the incident adenoma cohort and had an adenoma found on the left side following a positive T3/T5 screen. Only the first T3/T5 endoscopy and any other endoscopies within 6 months of that one are considered when determining if the participant had an incident adenoma.	.C="Control Arm" .N="Not in Incident Adenoma Cohort" 0="No Adenoma" 1="Has Adenoma"
<b>iaden_aden_days</b>	Days until first incident adenoma was found	Days from randomization until the first incident adenoma was found.	Numeric .C="Control arm" .N="Not in Incident Adenoma Cohort, or Not an Incident Adenoma Case"
<b>iaden_adv</b>	Has an advanced incident adenoma	Did the participant have an advanced incident adenoma?  Advanced adenomas include in situ carcinomas, villous adenomas, large ( $\geq$ 1 cm) adenomas, and adenomas with dysplasia.	.C="Control Arm" .N="Not in Incident Adenoma Cohort" 0="No Adenoma" 1="Yes, Has an Advanced Incident Adenoma" 2="Has an Adenoma But It Is Not an Advanced Incident Adenoma" 9="Has an Adenoma, But It Is Unknown If It Is an Advanced Incident Adenoma"
<b>iaden_protocol</b>	Study year of second FSG screen (T3 or T5)	The study year in which the participant received their second flexible sigmoidoscopy screen.	.C="Control Arm" .N="Not in Incident Adenoma Cohort" 3="T3" 5="T5"
<b>iaden_dyspw</b>	Worst level of dysplasia among all incident adenomas		.C="Control Arm" .N=" Not in Incident Adenoma Cohort, or Not an Incident Adenoma Case" 0="No Dysplasia" 1="Severe Dysplasia" 2="Moderate Dysplasia" 3="Mild Dysplasia"

Variable	Label	Description	Format Text
<b>iaden_exclusion</b>	Reason for exclusion from the incident adenoma cohort	<p>The reason why a participant was excluded from the incident adenoma cohort.</p> <p>A participant is in the incident adenoma cohort if they had a negative screen at baseline and had either a negative screen at T3/T5 or a positive screen at T3/T5 with a left-sided adenoma found on follow-up to the screen.</p>	0="Not Excluded" 1="Control Arm" 2="No T0 Screen" 3="Positive T0 Screen" 4="Inadequate T0 Screen" 5="No T3/T5 Screen" 6="Inadequate T3/T5 Screen" 7="Positive T3/T5 Screen with No Follow-up" 8="Positive T3/T5 Screen with No Adenoma"



## Section 18: Pathology Images

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Variable	Label	Description	Format Text
<b>adenoma_has_deliv_heslide_img</b>	Has a Deliverable Adenoma H&E Slide Image	Has a deliverable Adenoma H&E Slide image? Not all were deliverable due to duplicates or no consent.	.N="Not Applicable" 1="Yes"
<b>colo_has_deliv_heslide_img</b>	Has a Deliverable Colorectal H&E Slide Image	Has a deliverable Colorectal H&E Slide image? Not all were deliverable due to duplicates or no consent.	.N="Not Applicable" 1="Yes"
<b>adenoma_num_heslide_imgs</b>	Number of Adenoma H&E Slide Images	Number of deliverable adenoma H&E Slide images participant has.	Numeric .N="Not Applicable"
<b>colo_num_heslide_imgs</b>	Number of Colorectal H&E Slide Images	Number of deliverable Colorectal H&E Slide images participant has.	Numeric .N="Not Applicable"

## Section 19: Mortality Status

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Variable	Label	Description	Format Text
<b>is_dead</b>	Dead?	Is the participant confirmed dead?	0="Not Confirmed Dead" 1="Dead"
<b>is_dead_with_cod</b>	Dead With Known Cause?	Is the participant confirmed dead with known cause of death?	0="Not Confirmed Dead" 1="Dead"
<b>dth_days</b>	Days Until Death	Days from randomization until date of death.	Numeric .N="Not applicable"

## Section 20: Death Certificate Cause of Death

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Variable	Label	Description	Format Text
<b>d_seer_death</b>	Underlying Cause of Death	<p>Underlying cause of death.</p> <p>This is a grouping of ICD-9 codes for underlying causes of death from the death certificate. This grouping is based on the SEER cause of death recode format, with some modifications.</p>	<p>.F="No Form"  .N="Not Applicable"  1="Prostate"  2="Lung"  3="Colon"  4="Ovarian"  5="Peritoneal"  6="Fallopian Tube"  11="Pancreas"  12="Melanoma of the Skin"  13="Bladder"  14="Breast"  15="Hematopoietic"  16="Endometrial"  17="Glioma"  18="Renal"  19="Thyroid"  20="Head and Neck"  21="Liver"  23="Upper-Gastrointestinal"  24="Biliary"  25="Male Breast"  21030="Small Intestine"  21042="Colon: Appendix"  21049="Colon: Large Intestine, NOS"  21060="Anus, Anal Canal, and Anorectum"  21110="Retroperitoneum"  21120="Peritoneum, Omentum and Mesentary"  21130="Other Digestive Organs"  22030="Lung and Bronchus"  22050="Pleura"  22060="Trachea, Mediastinum and Other Resp Organs"</p> <p>[continued...]</p>

Variable	Label	Description	Format Text
<p>[...continued]</p> <p><b>d_seer_death</b></p>			<p>[...continued]</p> <p>23000="Bones and Joints"</p> <p>24000="Soft Tissue including Heart"</p> <p>25020="Other Non-Epithelial Skin"</p> <p>27010="Cervix Uteri"</p> <p>27050="Vagina"</p> <p>27060="Vulva"</p> <p>27070="Other Female Genital Organs"</p> <p>28020="Testis"</p> <p>28030="Penis"</p> <p>28040="Other Male Genital Organs"</p> <p>29030="Ureter"</p> <p>29040="Other Urinary Organs"</p> <p>30000="Eye and Orbit"</p> <p>32020="Other Endocrine including Thymus"</p> <p>37000="Miscellaneous"</p> <p>38000="In situ, benign or unknown behavior neoplasm"</p> <p>50030="Septicemia"</p> <p>50040="Other Infectious and Parasitic Diseases"</p> <p>50050="Diabetes Mellitus"</p> <p>50051="Alzheimers"</p> <p>50060="Diseases of Heart"</p> <p>50070="Hypertension without Heart Disease"</p> <p>50080="Cerebrovascular Diseases"</p> <p>50090="Atherosclerosis"</p> <p>50100="Aortic Aneurysm and Dissection"</p> <p>50110="Other Diseases of Arteries, Arterioles, Capillaries"</p> <p>[continued...]</p>

Variable	Label	Description	Format Text
<p data-bbox="94 321 245 348">[...continued]</p> <p data-bbox="94 375 250 403"><b>d_seer_death</b></p>			<p data-bbox="1161 321 1300 348">[...continued]</p> <p data-bbox="1161 375 1516 1335"> 50120="Pneumonia and Influenza"  50130="Chronic Obstructive Pulmonary Disease and Allied Cond."  50140="Stomach and Duodenal Ulcers"  50150="Chronic Liver Disease and Cirrhosis"  50160="Nephritis, Nephrotic Syndrome and Nephrosis"  50180="Congenital Anomalies"  50200="Symptoms, Signs and Ill-Defined Conditions"  50300="Other death"  60000="Unnatural Death"  60001="All other endocrine and metabolic diseases and immunity disorders"  60002="All other diseases of blood and blood-forming organs"  60003="Senile and presenile organic psychotic conditions"  60004="All other psychoses"  60005="Parkinsons disease"  60006="Other hereditary and degenerative diseases of the central nervous system"  60007="Other diseases of the nervous system"  60008="Pneumoconioses and other lung diseases due to external agents"  60009="All other diseases of respiratory system" </p> <p data-bbox="1161 1362 1300 1390">[continued...]</p>

Variable	Label	Description	Format Text
<b>[...continued]</b> <b>d_seer_death</b>			[...continued]  60010="All other noninfective gastroenteritis and colitis" 60011="All other diseases of digestive system" 60012="All other diseases of urinary system"
<b>d_cancersite</b>	Death Certificate Cause of Death (From Cancer)	Underlying cause of death from cancer.  This is a grouping of ICD-9 codes from the death certificate underlying cause of death. This grouping is based on the PLCO trial cancers of interest.	.F="No Form" .N="Not Dead" 1="Prostate" 2="Lung" 3="Colorectal" 4="Ovarian, Peritoneal, and Fallopian Tube" 11="Pancreas" 12="Melanoma of the Skin" 13="Bladder" 14="Breast" 15="Hematopoietic" 16="Endometrial" 17="Glioma" 18="Renal" 19="Thyroid" 20="Head and Neck" 21="Liver" 23="Upper-Gastrointestinal" 24="Biliary" 25="Male Breast" 99="Other Cancer" 999="Not Cancer"
<b>d_codeath_cat</b>	Cause of Death from Death Certificate	Categorized underlying cause of death.  This is a grouping of ICD-9 codes from the death certificate underlying cause of death. This grouping is based on official trial definitions for PLCO cancers and standard ICD-9 groupings for other causes of death. The PLCO trial assesses the ICD-9 code of 185XX as prostate cancer, 162XX as lung cancer, 153XX-154XX (except 1535X) as colorectal cancer, and 183XX as ovarian cancer.	.F="No Form" .N="Not applicable" 1="Prostate" 2="Lung" 3="Colorectal" 4="Ovarian" 5="Peritoneal" 6="Fallopian Tube" 100="Non-PLCO Neoplasms" 200="Ischemic Heart Disease" 300="Cerebrovascular Accident" 400="Other Circulatory Disease" 500="Respiratory Illness" 600="Digestive Disease" 700="Infectious Disease" 800="Endocrine, Nutritional and Metabolic Diseases, and Immunity Disorders" 900="Diseases of the Nervous System" 1000="Accident" 1100="Other"
<b>d_dthc</b>	Is Colorectal Cancer The Underlying Cause Of Death?	Is colorectal cancer the underlying cause of death? This conclusion is based on the information from the death certificate.	0="No" 1="Yes"

## Section 21: Final Cause of Death

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Variable	Label	Description	Format Text
<b>f_seer_death</b>	Final Underlying Cause of Death	<p>Underlying cause of death.</p> <p>This is a grouping of ICD-9 codes for underlying causes of death from the death certificate and death review. This grouping is based on the SEER cause of death recode format, with some modifications.</p>	<p>.F="No Form"  .M="Missing"  .N="Not Applicable"  1="Prostate"  2="Lung"  3="Colon"  4="Ovarian"  5="Peritoneal"  6="Fallopian Tube"  11="Pancreas"  12="Melanoma of the Skin"  13="Bladder"  14="Breast"  15="Hematopoietic"  16="Endometrial"  17="Glioma"  18="Renal"  19="Thyroid"  20="Head and Neck"  21="Liver"  23="Upper-Gastrointestinal"  24="Biliary"  25="Male Breast"  21030="Small Intestine"  21042="Colon: Appendix"  21049="Colon: Large Intestine, NOS"  21060="Anus, Anal Canal, and Anorectum"  21110="Retroperitoneum"  21120="Peritoneum, Omentum and Mesentary"  21130="Other Digestive Organs"  22030="Lung and Bronchus"  22050="Pleura"  22060="Trachea, Mediastinum"</p> <p>[continued...]</p>

Variable	Label	Description	Format Text
<p>[...continued]</p> <p><b>f_seer_death</b></p>			<p>[...continued]</p> <p>and Other Resp Organs"</p> <p>23000="Bones and Joints"</p> <p>24000="Soft Tissue including Heart"</p> <p>25020="Other Non-Epithelial Skin"</p> <p>27010="Cervix Uteri"</p> <p>27050="Vagina"</p> <p>27060="Vulva"</p> <p>27070="Other Female Genital Organs"</p> <p>28020="Testis"</p> <p>28030="Penis"</p> <p>28040="Other Male Genital Organs"</p> <p>29030="Ureter"</p> <p>29040="Other Urinary Organs"</p> <p>30000="Eye and Orbit"</p> <p>32020="Other Endocrine including Thymus"</p> <p>37000="Miscellaneous"</p> <p>38000="In situ, benign or unknown behavior neoplasm"</p> <p>50030="Septicemia"</p> <p>50040="Other Infectious and Parasitic Diseases"</p> <p>50050="Diabetes Mellitus"</p> <p>50051="Alzheimers"</p> <p>50060="Diseases of Heart"</p> <p>50070="Hypertension without Heart Disease"</p> <p>50080="Cerebrovascular Diseases"</p> <p>50090="Atherosclerosis"</p> <p>50100="Aortic Aneurysm and Dissection"</p> <p>50110="Other Diseases of</p> <p>[continued...]</p>



Variable	Label	Description	Format Text
<p>[...continued]</p> <p><b>f_seer_death</b></p>			<p>[...continued]</p> <p>Arteries, Arterioles, Capillaries"</p> <p>50120="Pneumonia and Influenza"</p> <p>50130="Chronic Obstructive Pulmonary Disease and Allied Cond."</p> <p>50140="Stomach and Duodenal Ulcers"</p> <p>50150="Chronic Liver Disease and Cirrhosis"</p> <p>50160="Nephritis, Nephrotic Syndrome and Nephrosis"</p> <p>50180="Congenital Anomalies"</p> <p>50200="Symptoms, Signs and Ill-Defined Conditions"</p> <p>50300="Other death"</p> <p>60000="Unnatural Death"</p> <p>60001="All other endocrine and metabolic diseases and immunity disorders"</p> <p>60002="All other diseases of blood and blood-forming organs"</p> <p>60003="Senile and presenile organic psychotic conditions"</p> <p>60004="All other psychoses"</p> <p>60005="Parkinsons disease"</p> <p>60006="Other hereditary and degenerative diseases of the central nervous system"</p> <p>60007="Other diseases of the nervous system"</p> <p>60008="Pneumoconioses and other lung diseases due to external agents"</p> <p>[continued...]</p>

Variable	Label	Description	Format Text
<b>[...continued]</b> <b>f_seer_death</b>			[...continued]  60009="All other diseases of respiratory system" 60010="All other noninfective gastroenteritis and colitis" 60011="All other diseases of digestive system" 60012="All other diseases of urinary system"
<b>f_cancersite</b>	Cause of Death (From Cancer)	Underlying cause of death from cancer.  This is a grouping of ICD-9 codes for underlying causes of death from the death certificate and death review. This grouping is based on the PLCO trial cancers of interest.	.F="No Form" .M="Missing" .N="Not Dead" 1="Prostate" 2="Lung" 3="Colorectal" 4="Ovarian, Peritoneal, and Fallopian Tube" 11="Pancreas" 12="Melanoma of the Skin" 13="Bladder" 14="Breast" 15="Hematopoietic" 16="Endometrial" 17="Glioma" 18="Renal" 19="Thyroid" 20="Head and Neck" 21="Liver" 23="Upper-Gastrointestinal" 24="Biliary" 25="Male Breast" 99="Other Cancer" 999="Not Cancer"
<b>f_codeath_cat</b>	Cause of Death	Categorized underlying cause of death.  This is a grouping of ICD-9 codes for underlying causes of death from the death certificate and death review. This grouping is based on official trial definitions for PLCO cancers and standard ICD-9 groupings for other causes of death. The PLCO trial assesses the ICD-9 code of 185XX as prostate cancer, 162XX as lung cancer, 153XX-154XX (except 1535X) as colorectal cancer, and 183XX as ovarian cancer.	.F="No Form" .M="Missing" .N="Not applicable" 1="Prostate" 2="Lung" 3="Colorectal" 4="Ovarian" 5="Peritoneal" 6="Fallopian Tube" 100="Non-PLCO Neoplasms" 200="Ischemic Heart Disease" 300="Cerebrovascular Accident" 400="Other Circulatory Disease" 500="Respiratory Illness" 600="Digestive Disease" 700="Infectious Disease" 800="Endocrine, Nutritional and Metabolic Diseases, and Immunity Disorders" 900="Diseases of the Nervous System" 1000="Accident" 1100="Other"

Variable	Label	Description	Format Text
<b>f_dthc</b>	Is Colorectal Cancer The Underlying Cause Of Death?	Is colorectal cancer the underlying cause of death? This conclusion is based on the information from the death certificate and death review.	0="No" 1="Yes"

## Section 22: BQ Compliance

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Variable	Label	Description	Format Text
<b>bq_returned</b>	Did the Participant Return the BQ?		0="No" 1="Yes"
<b>bq_age</b>	Age at BQ	Calculated from date of baseline questionnaire completion and date of birth.	Numeric .F="No Form"
<b>bq_compdays</b>	Days Until BQ Completion	Question M48, F63 - "What is the date you completed this questionnaire?"  The number of days between BQ completion and randomization.	Numeric .F="No Form"
<b>bq_adminm</b>	Method of Questionnaire Administration	Part of the section, For Office Use Only, headed "Method of Administration".	.F="No Form" .M="Not Answered" 1="Self" 2="Self With Assistance" 3="In-Person Interview By SC Staff" 4="In-Person Interview By Other" 5="Telephone"

## Section 23: BQ Demographics

Variable	Label	Description	Format Text
<b>race7</b>	Race	<p>BQ Form Versions 1 and 2: Question 2 - "Which of these best describes your race or ethnic background?"</p> <p>BQ Form Version 3: Question 2 - "Which of these groups best describes you?"</p> <p>Question 2a - "Are you of Hispanic origin?"</p> <p>Participants can only be considered white or black when they are not Hispanic. If the participant is white or black and Hispanic, then they are considered Hispanic. If the participant is Asian, Pacific Islander, or American Indian then they are considered that race.</p>	1="White, Non-Hispanic" 2="Black, Non-Hispanic" 3="Hispanic" 4="Asian" 5="Pacific Islander" 6="American Indian" 7="Missing"
<b>hispanic_f</b>	Are You Of Hispanic Origin?	<p>BQ Form Versions 1 and 2: Question 2.</p> <p>BQ Form Version 3: Question 2a.</p> <p>What is your race or ethnicity?</p>	.F="No Form" .M="Not Answered" 0="Not Hispanic" 1="Hispanic"
<b>educat</b>	Education	<p>Question 3 - "What is the highest grade or level of schooling you completed?"</p>	.F="No Form" .M="Not Answered" 1="Less Than 8 Years" 2="8-11 Years" 3="12 Years Or Completed High School" 4="Post High School Training Other Than College" 5="Some College" 6="College Graduate" 7="Postgraduate"
<b>marital</b>	Marital Status	<p>Question 4 - "What is your current marital status?"</p>	.F="No Form" .M="Not Answered" 1="Married Or Living As Married" 2="Widowed" 3="Divorced" 4="Separated" 5="Never Married"
<b>occupat</b>	Occupation	<p>Question 5 - "Which of these categories best describes your current working situation?"</p>	.F="No Form" .M="Not Answered" 1="Homemaker" 2="Working" 3="Unemployed" 4="Retired" 5="Extended Sick Leave" 6="Disabled" 7="Other"

## Section 24: BQ Smoking

Variable	Label	Description	Format Text
<b>cig_stat</b>	Cigarette Smoking Status	Participant's current cigarette smoking status.	.A="Ambiguous" .F="No Form" .M="Not Answered" 0="Never Smoked Cigarettes" 1="Current Cigarette Smoker" 2="Former Cigarette Smoker"
<b>cig_stop</b>	# of Years Since Stopped Smoking Cigarettes	The number of years passed since the participant has stopped smoking.	Numeric .F="No Form" .M="Not Answered" .N="Not Applicable" 0.5="Six Months"
<b>cig_years</b>	Duration Smoked Cigarettes	The total number of years the participant smoked.	Numeric .F="No Form" .M="Not Answered" 0.5="Six Months"
<b>cigpd_f</b>	# of Cigarettes Smoked Per Day	Question 14 - "During periods when you smoked, how many cigarettes did or do you usually smoke per day?"	.F="No Form" .M="Not Answered" 0="0" 1="1-10" 2="11-20" 3="21-30" 4="31-40" 5="41-60" 6="61-80" 7="81+"
<b>pack_years</b>	Pack Years	Number of packs smoked per day * years smoked.	Numeric .F="No Form" .M="Missing"
<b>cigar</b>	Ever Smoked Cigars?	Question 17 - "Do you now or did you ever smoke cigars regularly for a year or longer?"	.F="No Form" .M="Not Answered" 0="Never" 1="Current Cigar Smoker" 2="Former Cigar Smoker"
<b>filtered_f</b>	Usually Filtered or Non-Filtered?	Question 15 - "During periods when you smoked, did or do you more often smoke filter or non-filter cigarettes?"	.F="No Form" .M="Not Answered" .N="Not Applicable" 1="Filter" 2="Non-Filter" 3="About Equal"
<b>pipe</b>	Ever Smoked a Pipe?	Question 16 - "Do you now or did you ever smoke a pipe regularly for a year or longer?"	.F="No Form" .M="Not Answered" 0="Never" 1="Current Pipe Smoker" 2="Former Pipe Smoker"
<b>rsmoker_f</b>	Smoke Regularly Now?	Question 12 - "Do you smoke cigarettes regularly now?"	.F="No Form" .M="Not Answered" .N="Not Applicable" 0="No" 1="Yes"

Variable	Label	Description	Format Text
<b>smokea_f</b>	Age Started Smoking	Question 11 - "At what age did you start smoking cigarettes regularly?"	Numeric .F="No Form" .M="Not Answered Or Inconsistent Data" .N="Not Applicable" .R="Age not in reasonable range."
<b>smoked_f</b>	Ever Smoke Regularly >= 6 Months?	Question 10 - "Have you ever smoked cigarettes regularly for six months or longer?"	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>ssmokea_f</b>	Age Stopped Smoking	Question 13 - "At what age did you last stop smoking cigarettes regularly?"	Numeric .F="No Form" .M="Not Answered Or Inconsistent Data" .N="Not Applicable" .R="Age not in reasonable range."

## Section 25: BQ Family History

Variable	Label	Description	Format Text
<b>fh_cancer</b>	Has Family History of Any Cancer?	Any first-degree relative with cancer. Basal cell skin cancers are not included. First-degree relatives include parents, full-siblings, and children. Half-siblings are not included.	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>colo_fh</b>	Family History of Colorectal Cancer	Colorectal cancer family history in first-degree relatives. Includes parents, full-siblings, and children.	.F="No Form" .M="Missing" 0="No" 1="Yes, Immediate Family Member" 9="Possibly - Relative Or Cancer Type Not Clear"
<b>colo_fh_age</b>	Age of Youngest Relative with Colorectal Cancer	Diagnosis age of the youngest first-degree relative diagnosed with colorectal cancer.	Numeric .A="Ambiguous" .F="No Form" .M="Missing" .N="Not Applicable"
<b>colo_fh_cnt</b>	# of Relatives with Colorectal Cancer	The number of first-degree relatives with colorectal cancer.	Numeric .F="No Form" .M="Missing"
<b>brothers</b>	# of Brothers	Question 19 - "How many full and half-brothers do you have, both living and deceased?"  Participants who have more than seven brothers are collapsed into "7 or more."	.F="No Form" .M="Not Answered" 0="None" 1="One" 2="Two" 3="Three" 4="Four" 5="Five" 6="Six" 7="Seven Or More"
<b>sisters</b>	# of Sisters	Question 18 - "How many full and half-sisters do you have, both living and deceased?"  Participants with more than seven sisters are collapsed into "7 or more".	.F="No Form" .M="Not Answered" 0="None" 1="One" 2="Two" 3="Three" 4="Four" 5="Five" 6="Six" 7="Seven Or More"



## Section 26: BQ Body Type

Variable	Label	Description	Format Text
<b>bmi_curc</b>	BMI at Baseline	This is the World Health Organization (WHO) standard categorization of BMI. BMI is considered out of range if any of the following occur: <ul style="list-style-type: none"> <li>- Weight is less than 60 pounds</li> <li>- Height is less than 48 inches</li> <li>- Height is greater than 78 inches for females</li> <li>- Height is greater than 84 inches for males</li> <li>- After BMI is calculated, BMI is less than 15</li> </ul>	.F="No Form" .M="Not Answered" .R="Height Or Weight Not In Reasonable Range" 1="0-18.5" 2="18.5-25" 3="25-30" 4="30+"
<b>bmi_curr</b>	BMI at Baseline	BMI is considered out of range if any of the following occur: <ul style="list-style-type: none"> <li>- Weight is less than 60 pounds</li> <li>- Height is less than 48 inches</li> <li>- Height is greater than 78 inches for females</li> <li>- Height is greater than 84 inches for males</li> <li>- After BMI is calculated, BMI is less than 15</li> </ul>	Numeric .F="No Form" .M="Not Answered" .R="Height Or Weight Not In Reasonable Range"
<b>height_f</b>	Height (inches)	Question 23 - "How tall are you?"  Height is considered out of range if any of the following occur: <ul style="list-style-type: none"> <li>- Height is less than 48 inches</li> <li>- Height is greater than 78 inches for females</li> <li>- Height is greater than 84 inches for males</li> <li>- After BMI is calculated, BMI is less than 15</li> </ul>	Numeric .F="No Form" .M="Missing" .R="Height Out Of Range"
<b>weight_f</b>	Weight (lbs) at Baseline	Question 22 - "What is or was your weight at these ages?"  Weights less than 60 pounds are out of range.	Numeric .F="No Form" .M="Missing" .R="Weight Out Of Range"
<b>bmi_20</b>	BMI at Age 20	BMI is considered out of range if any of the following occur: <ul style="list-style-type: none"> <li>- Weight is less than 60 pounds</li> <li>- Height is less than 48 inches</li> <li>- Height is greater than 78 inches for females</li> <li>- Height is greater than 84 inches for males</li> <li>- After BMI is calculated, BMI is less than 15</li> </ul>	Numeric .F="No Form" .M="Not Answered" .R="Height Or Weight Not In Reasonable Range"

Variable	Label	Description	Format Text
<b>bmi_20c</b>	BMI at Age 20	This is the World Health Organization (WHO) standard categorization of BMI. BMI is considered out of range if any of the following occur: - Weight is less than 60 pounds - Height is less than 48 inches - Height is greater than 78 inches for females - Height is greater than 84 inches for males - After BMI is calculated, BMI is less than 15	.F="No Form" .M="Not Answered" .R="Height Or Weight Not In Reasonable Range" 1="0-18.5" 2="18.5-25" 3="25-30" 4="30+"
<b>weight20_f</b>	Weight at Age 20 (lbs)	Question 22 - "What is or was your weight at these ages?"  Weights less than 60 pounds are out of range.	Numeric .F="No Form" .M="Missing" .R="Weight Out Of Range"
<b>bmi_50</b>	BMI at Age 50	BMI is considered out of range if any of the following occur: - Weight is less than 60 pounds - Height is less than 48 inches - Height is greater than 78 inches for females - Height is greater than 84 inches for males - After BMI is calculated, BMI is less than 15	Numeric .F="No Form" .M="Not Answered" .R="Height Or Weight Not In Reasonable Range"
<b>bmi_50c</b>	BMI at Age 50	This is the World Health Organization (WHO) standard categorization of BMI. BMI is considered out of range if any of the following occur: - Weight is less than 60 pounds - Height is less than 48 inches - Height is greater than 78 inches for females - Height is greater than 84 inches for males - After BMI is calculated, BMI is less than 15	.F="No Form" .M="Not Answered" .R="Height Or Weight Not In Reasonable Range" 1="0-18.5" 2="18.5-25" 3="25-30" 4="30+"
<b>weight50_f</b>	Weight at Age 50 (lbs)	Question 22 - "What is or was your weight at these ages?"  Weights less than 60 pounds are out of range.	Numeric .F="No Form" .M="Missing" .R="Weight Out Of Range"

## Section 27: BQ NSAIDS

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Variable	Label	Description	Format Text
<b>asp</b>	Use Aspirin Regularly?	Question 24 - "During the last 12 months, have you regularly used aspirin or aspirin-containing products, such as Bayer, Bufferin or Anacin? (Please do not include aspirin-free products such as Tylenol and Panadol.)"	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>asppd</b>	# of Aspirin	Question 25 - "During the last 12 months, how many pills of aspirin or aspirin containing products did you usually take per day, per week or per month?"	.F="No Form" .M="Not Answered" 0="None" 1="1/Day" 2="2+/Day" 3="1/Week" 4="2/Week" 5="3-4/Week" 6="<2/Month" 7="2-3/Month"
<b>ibup</b>	Use Ibuprofen Regularly?	Question 26 - "During the last 12 months, have you regularly used ibuprofen-containing products, such as Advil, Nuprin, or Motrin?"	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>ibuppd</b>	# of Ibuprofen	Question 27 - "During the last 12 months, how many pills of ibuprofen-containing products did you usually take per day, per week, or per month?"	.F="No Form" .M="Not Answered" 0="None" 1="1/Day" 2="2+/Day" 3="1/Week" 4="2/Week" 5="3-4/Week" 6="<2/Month" 7="2-3/Month"

## Section 28: BQ Diseases

Variable	Label	Description	Format Text
<b>arthrit_f</b>	Arthritis	Did the participant ever have arthritis?	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>bronchit_f</b>	Bronchitis	Did the participant ever have chronic bronchitis?	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>colon_comorbidity</b>	Colon Comorbidities	Did the participant ever have a colon related co-morbidity (ulcerative colitis, Crohn's disease, Gardner's syndrome, or familial polyposis)?	.F="No Form" .M="Missing" 0="No" 1="Yes"
<b>diabetes_f</b>	Diabetes	Did the participant ever have diabetes?	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>divertic_f</b>	Diverticulitis/Diverticulosis	Did the participant ever have diverticulitis or diverticulosis?	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>emphys_f</b>	Emphysema	Did the participant ever have emphysema?	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>gallblad_f</b>	Gallbladder Stones or Inflammation	Did the participant ever have gall bladder stones or inflammation?	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>hearta_f</b>	Heart Attack	Did the participant ever have coronary heart disease or a heart attack?	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>hyperten_f</b>	Hypertension	Did the participant ever have high blood pressure?	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>liver_comorbidity</b>	Liver Comorbidities	Did the participant ever have a liver related co-morbidity (hepatitis or cirrhosis)?	.F="No Form" .M="Missing" 0="No" 1="Yes"
<b>osteopor_f</b>	Osteoporosis	Did the participant ever have osteoporosis?	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>polyps_f</b>	Colorectal Polyps	Did the participant ever have colorectal polyps?	.F="No Form" .M="Not Answered" 0="No" 1="Yes"

Variable	Label	Description	Format Text
<b>stroke_f</b>	Stroke	Did the participant have a stroke?	.F="No Form" .M="Not Answered" 0="No" 1="Yes"

## Section 29: BQ Female Specific

Variable	Label	Description	Format Text
<b>hyster_f</b>	Ever Have a Hysterectomy?	Question F47 - "Have you had a hysterectomy, that is, have you had your uterus or womb removed?"  Participants modified to "yes" if an age of hysterectomy is given in question F48	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes" 2="Don't Know"
<b>hystera</b>	Age at Hysterectomy	Question F48 - "What was your age when you had your uterus or womb removed?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" .N="Not Applicable" 1="<40" 2="40-44" 3="45-49" 4="50-54" 5="55+"
<b>ovariesr_f</b>	Removed Ovaries	Question F49 - "Have you ever had one or both of your ovaries removed?"  Question F50 - "What exactly was removed?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="Ovaries Not Removed" 1="One Ovary - Partial" 2="One Ovary - Total" 3="Both Ovaries - Partial" 4="Both Ovaries - Total" 5="Don't Know" 8="Ambiguous"
<b>tuballig</b>	Ever Tubes Tied?	Question F46 - "Have you had a tubal ligation, that is have you had your tubes tied?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes" 2="Don't Know"
<b>bcontr_f</b>	Ever Take Birth Control Pills?	Question F43 - "Did you ever take birth control pills for birth control or to regulate menstrual periods?".  Participant's answer modified to "yes" if they specified both an age they started taking birth control pills and a total number of years they took them.	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"
<b>bcontra</b>	Age Started Birth Control Pills?	Question F44 - "How old were you when you first started taking birth control pills?"  Participants who were "50-59" or "60+" when they started birth control pills were collapsed into a "50+" category.	.F="No Form" .G="Wrong Gender" .M="Not Answered" .N="Not Applicable" 1="<30" 2="30-39" 3="40-49" 4="50+"

Variable	Label	Description	Format Text
<b>bcontr</b>	Total Years Took Birth Control Pills?	Question F45 - "For how many total years did you take birth control pills?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="Not Applicable" 1="10+ Years" 2="6-9 Years" 3="4-5 Years" 4="2-3 Years" 5="1 Year or Less"
<b>curhorm</b>	Currently Using Female Hormones?	Question F52 - "Are you currently using female hormones?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"
<b>horm_f</b>	Ever Take Female Hormones?	Question F51 - "Sometimes women take female hormones such as estrogen or progesterone around the time of menopause. Have you ever used female hormones (tablets, pills, or creams) for menopause?"  Participant's answers modified to "yes" if they had said "no" but gave an answer for whether they are currently using female hormones and said they used them for greater than 1 year.	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes" 2="Don't Know"
<b>horm_stat</b>	Female Hormone Status	Female hormone status uses ever taken female hormones and currently on hormones to determine the participant's hormone status.	.F="No Form" .G="Wrong Gender" .M="Missing" 0="Never" 1="Current" 2="Former" 3="Unknown Whether Current Or Former" 4="Doesn't Know If She Ever Took HRT"
<b>thorm</b>	# of Years Taking Female Hormones	Question F53 - "For how many total years did you take female hormones?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="Not Applicable" 1="10+ Years" 2="6-9 Years" 3="4-5 Years" 4="2-3 Years" 5="<= 1 Year"
<b>fchilda</b>	Age at Birth of First Child?	Question F42 - "What was your age at the birth of your first child?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" .N="Not Applicable" 1="<16" 2="16-19" 3="20-24" 4="25-29" 5="30-34" 6="35-39" 7="40+"

Variable	Label	Description	Format Text
<b>livec</b>	# of Live Births	Question F41 - "How many of your pregnancies resulted in a live birth?"  Allowed values are 0-29. Participants with more than five pregnancies are collapsed to "five or more".	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="Zero" 1="One" 2="Two" 3="Three" 4="Four" 5="Five Or More"
<b>miscar</b>	# of Miscarriages/Abortions	Question F39 - "How many of your pregnancies resulted in miscarriage or an abortion?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="0" 1="1" 2="2+"
<b>preg_f</b>	Ever Been Pregnant?	Question F35 - "Have you ever been pregnant?"  Participant's answer is modified to be "yes" if the participant answers on age of first pregnancy, number of pregnancies, number of still birth pregnancies, number of miscarriages, number of tubal pregnancies, age at birth of first child, or the number of live births implied pregnancy.	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes" 2="Don't Know"
<b>prega</b>	Age When First Became Pregnant?	Question F36 - "How old were you when you first became pregnant?"  Participants who were "40-44" or "45+" when they first became pregnant were collapsed into "40+".	.F="No Form" .G="Wrong Gender" .M="Not Answered" .N="Not Applicable" 1="<15" 2="15-19" 3="20-24" 4="25-29" 5="30-34" 6="35-39" 7="40+"
<b>pregc</b>	# of Pregnancies	Question F37 - "How many times have you been pregnant? Please include stillbirths, miscarriages, abortions, tubal or ectopic pregnancies, and live births."	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="None" 1="1" 2="2" 3="3-4" 4="5-9" 5="10+"
<b>stillb</b>	# of Still Birth Pregnancies	Question F38 - "How many of your pregnancies resulted in a stillbirth?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="0" 1="1" 2="2+"
<b>trypreg</b>	Ever Tried to Become Pregnant for a Year or More Without Success?	Question F34 - "Have you ever tried to become pregnant for a year or more without success?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"



Variable	Label	Description	Format Text
<b>tubal</b>	# of Tubal/Ectopic Pregnancies?	Question F40 - "How many of your pregnancies resulted in a pregnancy in one of your tubes, that is, a tubal or ectopic pregnancy?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="0" 1="1" 2="2+"
<b>fmenstr</b>	Age When Had First Menstrual Period?	Question F31 - "How old were you when you had your first menstrual period?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 1="<10" 2="10-11" 3="12-13" 4="14-15" 5="16+"
<b>lmenstr</b>	Age at Menopause	Question F32 - "How old were you when you had your last period?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 1="<40" 2="40-44" 3="45-49" 4="50-54" 5="55+"
<b>menstrs</b>	Type of Menopause	Question F33 - "Did your periods stop because of natural menopause, surgery, radiation, or drug therapy?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 1="Natural Menopause" 2="Surgery" 3="Radiation" 4="Drug Therapy"
<b>menstrs_stat_type</b>	Reason menstrual periods stopped.	Reason the participant's menstrual periods stopped. Because minimal information was gathered about menopause, the menopause information is supplemented with hysterectomy and oophorectomy information.	.F="No Form" .G="Wrong Gender" 1="Natural postmenopausal" 2="Bilateral oophorectomy" 3="Hysterectomy, no bilateral oophorectomy" 4="Surgical, details unclear" 5="Drug therapy" 6="Radiation" 7="Postmenopausal, reason unknown" 8="Menopausal status unknown"
<b>post_menopausal</b>	Post-Menopausal Status	Was the participant post-menopausal at trial entry. This question was not asked directly on the BQ, therefore information on menopause has been supplemented with hysterectomy and oophorectomy information.	.F="No form" .G="Wrong gender" 1="Definitely post-menopausal" 2="Possibly post-menopausal"
<b>bbd</b>	Ever Have Benign or Fibrocystic Breast Disease?	Question F54 - "Have you ever been told by a doctor that you had any of the following conditions?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"
<b>benign_ovcyst</b>	Ever Have Benign Ovarian Tumor/Cyst?	Question F54 - "Have you ever been told by a doctor that you had any of the following conditions?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"

Variable	Label	Description	Format Text
<b>endometriosis</b>	Ever Have Endometriosis?	Question F54 - "Have you ever been told by a doctor that you had any of the following conditions?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"
<b>uterine_fib</b>	Ever Have Uterine Fibroid Tumors?	Question F54 - "Have you ever been told by a doctor that you had any of the following conditions?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"

## Section 30: BQ Male Specific

Variable	Label	Description	Format Text
<b>enlpros_f</b>	Ever Have Enlarged Prostate or BPH?	Question M34 - "Has a doctor ever told you that you had an enlarged prostate or benign prostatic hypertrophy (BPH)?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"
<b>enlprosa</b>	How Old When Told Had Enlarged Prostate or BPH?	Question M35 - "How old were you when a doctor first told you that you had this problem?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" .N="Not Applicable" 1="<30" 2="30-39" 3="40-49" 4="50-59" 5="60-69" 6="70+"
<b>infpros_f</b>	Ever Have Inflamed Prostate?	Question M36 - "Has a doctor ever told you that you had an inflamed prostate or prostatitis?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"
<b>infprosa</b>	How Old When Told Had Inflamed Prostate?	Question M37 - "How old were you when a doctor first told you that you had this problem?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" .N="Not Applicable" 1="<30" 2="30-39" 3="40-49" 4="50-59" 5="60-69" 6="70+"
<b>prosprob_f</b>	Have Problem with Prostate?	Did the participant ever have a problem with their prostate?	.F="No Form" .G="Wrong Gender" .M="Missing" 0="No" 1="Yes"
<b>urinate_f</b>	During The Past Year, How Many Times Did You Wake Up At Night To Urinate?	Participants who indicate they "never" wake up more than once or failed to answer the question and provided an age when urinating more than once a night started regularly are placed into "not never."	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="Never" 1="Once" 2="Twice" 3="Three Times" 4="More Than 3 Times" 5="Not Never"

Variable	Label	Description	Format Text
<b>urinatea</b>	Age At Which Began Waking Up To Urinate More Than Once At Night	Question M32 - "How old were you when you first began waking up to urinate more than once a night on a regular basis?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" .N="Not Applicable" 1="<30" 2="30-39" 3="40-49" 4="50-59" 5="60-69" 6="70+"

## Section 31: BQ Prostate Surgery

Variable	Label	Description	Format Text
<b>surg_age</b>	Age at First Prostate Surgery	<p>Question M39 - "How old were you when you had a surgical procedure of the prostate the first time?"</p> <p>Participants who were "&lt;30" or "30-39" when they had their first prostate surgery were collapsed into a "&lt;40" category.</p>	<p>.F="No Form"  .G="Wrong Gender"  .M="Not Answered"  .N="Not Applicable"  1="&lt;40"  2="40-49"  3="50-59"  4="60-69"  5="70+"</p>
<b>surg_any</b>	Ever Have Any Prostate Surgeries?	<p>Question M38 - "Have you ever had any of the following surgical procedures of the prostate?"</p> <p>Has the participant had at least one of the following prostate surgeries:</p> <ol style="list-style-type: none"> <li>1. Prostatectomy for benign disease.</li> <li>2. Transurethral resection of the prostate or TURP.</li> <li>3. Biopsy of the prostate.</li> <li>4. Prostate surgery, but the type is unknown.</li> <li>5. The participant provided the age of the first prostate surgery and did not answer they don't know if they had any surgery.</li> </ol>	<p>.F="No Form"  .G="Wrong Gender"  .M="Not Answered"  0="No"  1="Yes"  2="Don't Know"</p>
<b>surg_biopsy</b>	Ever Have Biopsy of Prostate?	<p>Question M38 - "Have you ever had any of the following surgical procedures of the prostate?"</p>	<p>.F="No Form"  .G="Wrong Gender"  .M="Not Answered"  0="No"  1="Yes"</p>
<b>surg_prostatectomy</b>	Ever Had Prostatectomy for Benign Disease?	<p>Question M38 - "Have you ever had any of the following surgical procedures of the prostate?"</p>	<p>.F="No Form"  .G="Wrong Gender"  .M="Not Answered"  0="No"  1="Yes"</p>
<b>surg_resection</b>	Ever Had Transurethral Resection of Prostate?	<p>Question M38 - "Have you ever had any of the following surgical procedures of the prostate?"</p>	<p>.F="No Form"  .G="Wrong Gender"  .M="Not Answered"  0="No"  1="Yes"</p>
<b>vasect_f</b>	Had a Vasectomy?	<p>Question M40 - "Have you had a vasectomy, that is, a sterilization procedure for men?"</p> <p>Participants who didn't answer or said "no" are modified to "yes" when they list an age when they had a vasectomy.</p>	<p>.F="No Form"  .G="Wrong Gender"  .M="Not Answered"  0="No"  1="Yes"</p>

Variable	Label	Description	Format Text
<b>vasecta</b>	Age at Vasectomy	Question M41 - "How old were you when you had a vasectomy?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" .N="Not Applicable" 1="<25" 2="25-34" 3="35-44" 4="45+"

## Section 32: BQ Screening History

Variable	Label	Description	Format Text
<b>colorect_history</b>	Had Procedure to Examine Colon/Rectum in Past 3 Years?	Question M47, F62 - "During the past three years, have you had a colonoscopy, sigmoidoscopy, or barium enema to examine the colon and rectum?"	.F="No Form" .M="Not Answered" 0="No" 1="Yes, Once" 2="Yes, More Than Once" 3="Don't Know"
<b>colscrn_history</b>	Had Colonoscopy or Test for Blood in Stool In Past 3 Years?	This is a summary of any colon screening contamination. Participants who had at least one test for blood in their stool or a colonoscopy, sigmoidoscopy or barium enema examining the colon and rectum in the past three years are considered to have had a colon screen.	.F="No Form" .M="Not Answered" 0="No" 1="Yes"
<b>stool_history</b>	Had a Test for Blood in Stool in Past 3 Years?	Question M46, F61 - "During the past three years, have you had a test for blood in the stool?"	.F="No Form" .M="Not Answered" 0="No" 1="Yes, Once" 2="Yes, More Than Once" 3="Don't Know"