

# Lung Person (lung\_prsn) Data Dictionary

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## Document Summary

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# Lung Person (lung\_prsn): Data Dictionary

## Section 1: Identifiers

Variable	Label	Description	Format Text
<b>bq_build</b>	BQ Build	BQ build. Used to identify the version of the database.	Char, 30
<b>build</b>	Build	Masterfile build. Distributed to all datasets and used to identify the version of the database.	Char, 30
<b>dth_build</b>	Death Build	A variable tracking the run date of the death build. It uses the format d<YYYYMMDD>.	Char, 30
<b>plco_id</b>	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		6="Deaths through 2022"
<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_lung_trial</b>	Trial Personal History of Lung Cancer	Did the participant have a personal history of lung 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>lung_eligible_bq</b>	BQ Lung Analysis: Eligible?	Flagged participants must have completed a valid questionnaire, had no history of lung 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_lung_bq</b>	BQ Analysis Personal History of Lung Cancer	Did the participant have a personal history of lung 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>lung_eligible_dhq</b>	DHQ Lung 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"
<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"
<b>ph_lung_dhq</b>	DHQ Analysis Personal History of Lung Cancer	Did the participant have a personal history of lung 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>lung_eligible_dqx</b>	DQX Lung 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"
<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"
<b>ph_lung_dqx</b>	DQX Analysis Personal History of Lung Cancer	Did the participant have a personal history of lung 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

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Variable	Label	Description	Format Text
<b>lung_eligible_sqx</b>	SQX Lung Analysis: Eligible?	Flagged participants must have completed a valid questionnaire, had no history of lung 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_lung_sqx</b>	SQX Analysis Personal History of Lung Cancer	Did the participant have a personal history of lung 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_lung_muq</b>	MUQ Analysis Personal History of Lung Cancer	Did the participant have a personal history of lung 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

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Variable	Label	Description	Format Text
<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>lung_exitstat</b>	Lung Incidence Exit Status	Status of the participant at exit for lung 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_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>lung_exitdays</b>	Days Until Lung Incidence Exit	Days from trial entry (randomization) to cancer diagnosis for participants with lung cancer, or to 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>lung_exitage</b>	Lung Incidence Exit Age	Age of participant at exit for lung incidence. This is age at diagnosis for participants with lung cancer and age at trial exit otherwise.	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

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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: Screening

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Variable	Label	Description	Format Text
<b>xry_result0-3</b>	Result of T[X] Chest X-Ray	Chest X-ray screen (XRY) 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>xry_days0-3</b>	Days Until T[X] Chest X-Ray	Days from randomization until chest X-ray screen (XRY) for each screen year.	Numeric .C="Control" .F="No Form"
<b>xry_prot</b>	X-Ray Screening Protocol	Screening protocol used for XRY screens.	.C="Control arm" 1="Expected for or actually received T3 screen" 2="Not expected for and didn't receive T3 screen"

## Section 11: Diagnostic Workup

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Variable	Label	Description	Format Text
<b>bioplink0-3</b>	Was There A Biopsy Linked To The T[X] Lung Screen	Did the positive screen in a given screen year prompt a follow-up biopsy? Follow-up biopsies are assessed as prompted by a screen using the link or procedure chain method.	0="No" 1="Yes"
<b>lung_mra_stat0-3</b>	T[X] Lung Medical Record Abstracting Status	Completeness of screen follow-up in response to a positive screen.  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 12: Cancer Diagnosis

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Variable	Label	Description	Format Text
<b>lung_cancer</b>	Confirmed Lung Cancer?	Does the participant have confirmed primary invasive lung cancer diagnosed during the trial?	0="No Confirmed Cancer" 1="Confirmed Cancer"
<b>lung_cancer_diagdays</b>	Lung Confirmed Cancer Diagnosis Days		Numeric .N="Not Applicable"
<b>intstatl_cat</b>	Lung Cancer Screen Detected vs. Interval Status	Classifies lung 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>lung_cancer_first</b>	Was Lung Cancer the First Diagnosed Cancer?	Among all of a participant's cancers diagnosed during the trial, was lung cancer the earliest?	.N="Not Applicable" 0="No" 1="Yes"
<b>reasfoll</b>	Reason For Initial Clinical Assessment: Followup Of Positive Screen (Cancer Year)?	DEL2-A.5 DEL3-A.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" 0="No" 1="Yes"
<b>reasothl</b>	Reason For Initial Clinical Assessment: Other (Specify) (Cancer Year)?	DEL2-A.5 DEL3-A.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" 0="No" 1="Yes"
<b>reassurvl</b>	Reason For Initial Clinical Assessment: Surveillance (Cancer Year)?	DEL2-A.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>reasympl</b>	Reason For Initial Clinical Assessment: Symptomatic (Cancer Year)?	DEL2-A.5 DEL3-A.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" 0="No" 1="Yes"
<b>lung_annyr</b>	Lung Cancer Anniversary Year	Full years elapsed before lung cancer diagnosis (from randomization/trial entry).	Numeric .N="Not Applicable"

## Section 13: Cancer Characteristics

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Variable	Label	Description	Format Text
<b>lung_stage</b>	Lung Stage (AJCC 5th Edition)		.M="Missing data" .N="Not Applicable" 100="Stage I" 110="Stage IA" 120="Stage IB" 200="Stage II" 210="Stage IIA" 220="Stage IIB" 310="Stage IIIA" 320="Stage IIIB" 400="Stage IV" 993="Small cell"
<b>lung_stage_m</b>	Lung 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" 999="MX"
<b>lung_stage_n</b>	Lung 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" 999="NX"
<b>lung_stage_t</b>	Lung 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" 999="TX"
<b>lung_clinstage</b>	Lung Clinical Stage (AJCC 5th Edition)		.M="Missing data" .N="Not Applicable" 110="Stage IA" 120="Stage IB" 210="Stage IIA" 220="Stage IIB" 310="Stage IIIA" 320="Stage IIIB" 400="Stage IV" 900="Occult Carcinoma"
<b>lung_clinstage_m</b>	Lung Clinical Stage M Component	DEL1-C.17a DEL2-C.19a DEL3-C.15a	.M="Missing data" .N="Not Applicable" 0="M0" 100="M1" 999="MX"

Variable	Label	Description	Format Text
<b>lung_clinstage_n</b>	Lung Clinical Stage N Component	DEL1-C.17a DEL2-C.19a DEL3-C.15a	.M="Missing data" .N="Not Applicable" 0="N0" 100="N1" 200="N2" 300="N3" 999="NX"
<b>lung_clinstage_t</b>	Lung Clinical Stage T Component	DEL1-C.17a DEL2-C.19a DEL3-C.15a	.M="Missing data" .N="Not Applicable" 100="T1" 200="T2" 300="T3" 400="T4" 999="TX"
<b>lung_pathstage</b>	Lung Pathologic Stage (AJCC 5th Edition)		.M="Missing data" .N="Not Applicable" 110="Stage IA" 120="Stage IB" 210="Stage IIA" 220="Stage IIB" 310="Stage IIIA" 320="Stage IIIB" 400="Stage IV" 900="Occult Carcinoma"
<b>lung_pathstage_m</b>	Lung Pathologic Stage M Component	DEL2-C.19b DEL3-C.15b	.M="Missing data" .N="Not Applicable" 0="M0" 100="M1" 999="MX"
<b>lung_pathstage_n</b>	Lung Pathologic Stage N Component	DEL2-C.19b DEL3-C.15b	.M="Missing data" .N="Not Applicable" 0="N0" 100="N1" 200="N2" 300="N3" 999="NX"
<b>lung_pathstage_t</b>	Lung Pathologic Stage T Component	DEL2-C.19b DEL3-C.15b	.M="Missing data" .N="Not Applicable" 100="T1" 200="T2" 300="T3" 400="T4" 999="TX"
<b>lung_stage_7e</b>	Lung Stage (AJCC 7th Edition)	Stage for lung cancer calculated using the AJCC 7th edition staging manual.  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.	.M="Missing data" .N="Not Applicable" 100="Stage I" 110="Stage IA" 120="Stage IB" 200="Stage II" 210="Stage IIA" 220="Stage IIB" 300="Stage III" 310="Stage IIIA" 320="Stage IIIB" 400="Stage IV" 993="Small cell"

Variable	Label	Description	Format Text
<b>lung_clinstage_7e</b>	Lung Clinical Stage (AJCC 7th Edition)	Clinical stage for lung cancer calculated using the AJCC 7th edition staging manual.  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.	.M="Missing data" .N="Not Applicable" 110="Stage IA" 120="Stage IB" 200="Stage II" 210="Stage IIA" 220="Stage IIB" 300="Stage III" 310="Stage IIIA" 320="Stage IIIB" 400="Stage IV" 900="Occult Carcinoma"
<b>lung_pathstage_7e</b>	Lung Pathologic Stage (AJCC 7th Edition)	Pathologic stage for lung cancer calculated using the AJCC 7th edition staging manual.  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.	.M="Missing data" .N="Not Applicable" 110="Stage IA" 120="Stage IB" 200="Stage II" 210="Stage IIA" 220="Stage IIB" 300="Stage III" 310="Stage IIIA" 320="Stage IIIB" 400="Stage IV" 900="Occult Carcinoma"
<b>lung_cancer_type</b>	Lung Cancer Type	Small cell or non-small cell lung cancer?	.N="Not Applicable" 1="Non-Small Cell Lung Cancer" 2="Small Cell Lung Cancer"
<b>lung_histtype</b>	Lung Cancer Histopathologic Type	Histopathologic type derived from ICD-O-2 morphology.	.N="Not Applicable" 2="Squamous Cell Carcinoma" 3="Spindle Cell Carcinoma" 4="Small Cell Carcinoma" 5="Intermediate Cell Carcinoma" 7="Adenocarcinoma" 8="Acinar Adenocarcinoma" 9="Papillary Adenocarcinoma" 10="Bronchioalveolar Adenocarcinoma" 11="Adenocarcinoma w/Mucus Formation" 12="Large Cell Carcinoma" 13="Giant Cell Carcinoma" 14="Clear Cell Carcinoma" 15="Adenosquamous Carcinoma" 18="Adenoid Cystic Carcinoma" 31="Carcinoma NOS (recoded)" 32="Mixed small and non-small cell (recoded)" 33="Neuroendocrine NOS (recoded)"
<b>lung_carcinoid</b>	Is This A Carcinoid Tumor?	Carcinoid tumors are not considered confirmed lung cancers in lung_cancer.	0="No" 1="Yes"
<b>lung_carcinoid_summary</b>	Lung Carcinoid Summary Stage		.M="Missing" .N="Not Applicable" 2="Localized" 3="Regional" 4="Distant" 9="Not available"

Variable	Label	Description	Format Text
<b>lung_behavior</b>	Lung Cancer Behavior (ICD-O-2)	DEL1-C.12 DEL2-C.14 DEL3-C.10  ICD-O-2 behavior code.	.N="Not Applicable" 3="Malignant"
<b>lung_grade</b>	Lung Cancer Grade (ICD-O-2)	DEL1-C.12 DEL2-C.14 DEL3-C.10  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" 5="T cell; T precursor" 9="Unknown"
<b>lung_histtype_cat</b>	Lung Cancer Histopathologic Type	Info from lung_histtype grouped into useful categories.	.N="Not Applicable" 1="Small cell carcinoma" 2="Adenocarcinoma" 3="Bronchiolo-alveolar carcinoma" 4="Squamous cell carcinoma" 5="Large cell carcinoma" 6="Other NSC carcinoma" 8="Carcinoma, NOS" 9="Other/Missing"
<b>lung_morphology</b>	Lung Cancer Morphology (ICD-O-2)	DEL1-C.12 DEL2-C.14 DEL3-C.10  ICD-O-2 morphology. Valid range is 8000-9989.	Numeric .N="Not Applicable"
<b>lung_topography</b>	Lung Cancer Topography (ICD-O-2)	DEL1-C.12 DEL2-C.14 DEL3-C.10  ICD-O-2 topography. Valid range is C000 - C809.	"C340"="Main bronchus" "C341"="Upper lobe of lung" "C342"="Middle lobe of lung" "C343"="Lower lobe of lung" "C348"="Overlapping lesion of lung" "C349"="Lung, NOS"

## Section 14: Treatments

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Variable	Label	Description	Format Text
<b>primary_trtl_nsc</b>	Known Primary Treatment for Non-Small Cell Lung Cancer	What is the initial primary treatment intended to cure the participant of non-small cell lung cancer.	0="No cancer" 1="Resection of one lobe or less without chemotherapy" 2="Resection of two lobes or more without chemotherapy" 3="Resection and chemotherapy" 4="Radiation only" 5="Chemotherapy without resection" 6="Has treatment form, no known treatment with curative intent" 10="Treatment data could not be collected" 12="Small cell lung cancer"
<b>primary_trtl_nsc_days</b>	Days Until Primary Treatment for Non-Small Cell Lung Cancer	Days from randomization until the first primary treatment for non-small cell lung cancer.	Numeric .N="Not Applicable"
<b>primary_trtl_small</b>	Known Primary Treatment for Small Cell Lung Cancer	What is the initial primary treatment intended to cure the participant of small cell lung cancer.	0="No cancer" 1="Chemotherapy, resection, and radiation" 2="Chemotherapy and resection without radiation" 3="Chemotherapy and radiation without resection" 4="Chemotherapy only" 5="Has treatment form, no known treatment with curative intent" 10="Treatment data could not be collected" 12="Non-small cell lung cancer"
<b>primary_trtl_small_days</b>	Days Until Primary Treatment for Small Cell Lung Cancer	Days from randomization until the first primary treatment for small cell lung cancer.	Numeric .N="Not Applicable"
<b>curative_chemol</b>	Had Chemotherapy for Lung Cancer	Did the participant have chemotherapy as part of the initial treatment for lung cancer?	.F="No treatment form" .N="Not Applicable" 0="No" 1="Yes"
<b>curative_pneuml</b>	Had Pneumonectomy or Bilobectomy for Lung Cancer	Did the participant have a lung resection involving two or more lobes as part of the initial treatment for lung cancer?	.F="No treatment form" .N="Not Applicable" 0="No" 1="Yes"
<b>curative_radl</b>	Had Radiation Treatment for Lung Cancer	Did the participant have radiation treatment as part of the initial treatment for lung cancer?	.F="No treatment form" .N="Not Applicable" 0="No" 1="Yes"

Variable	Label	Description	Format Text
<b>curative_surg_cat1</b>	Type of Surgery for Lung Cancer	What type of surgery did the participant have as part of the initial treatment for lung cancer?	.F="No treatment form" .N="Not Applicable" 0="No Surgery" 1="Wedge Resection" 2="Segmental Resection" 3="Lobectomy or Less Than One Lobe" 5="Bilobectomy" 6="Pneumonectomy"
<b>curative_wsll</b>	Had Wedge Resection, Segmental Resection, or Lobectomy for Lung Cancer	Did the participant have a lung resection involving one lobe or less as part of the initial treatment for lung cancer?	.F="No treatment form" .N="Not Applicable" 0="No" 1="Yes"
<b>neoadjuvantl</b>	Had Neoadjuvant Treatment for Lung Cancer	Indicates whether the participant received neoadjuvant treatment before receiving a lung resection.	.N="Not Applicable" 0="No" 1="Yes"

## Section 15: X-ray Images

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Variable	Label	Description	Format Text
<b>case_study</b>	Image Status For Selection Into 25K And Case/Control Subset	<p>Image status for selection into the standard 25k and case/control subset. Identifies cancers within 1 year of screen, within T0-T5 and non-target cancers as well as screening results.</p> <p>The Case/Control Subset is a selection of X-ray images designed for the analysis of lung cancer that is available on CDAS as a manageable download. The subset was constructed with screen-detected and interval cancers matched to cancer-free controls.</p> <p>The Standard 25k Selection is a selection of 25,000 PLCO participants with X-ray images that is available for download from CDAS. It includes all participants with T0-T5 lung cancer or non-target cancer, all participants with any abnormal/suspicious screens, a random selection of participants with any abnormal/not suspicious screens, and a random selection of participants with all negative screens.</p>	.C="Control" 1="SD/INT Cancers Within 1 Year" 2="Other T0-T5 Cancers" 3="T0-T5 Non-target Cancers" 4="Ever Positive Screens" 5="Ever AN Screens" 6="Only Negative Screens" 7="Only Inadequate Screens" 99="No Screens"
<b>ccsub_caseset0-3</b>	Case/Control Group For Case/Control Subset Selection	<p>Identifies case/control groups for each screen. Each case has a total of 15 matched controls.</p> <p>The Case/Control Subset is a selection of X-ray images designed for the analysis of lung cancer that is available on CDAS as a manageable download. The subset was constructed with screen-detected and interval cancers matched to cancer-free controls.</p>	Numeric .C="Control" .N="Not Applicable"
<b>ccsub_summary</b>	Selection Status For The Case/Control Subset	<p>Selection status for the case/control subset. Shows whether the participant was ever a case or control. If participant was a control, the variable shows how many of their screens were selected as controls (1-4 times)</p> <p>The Case/Control Subset is a selection of X-ray images designed for the analysis of lung cancer that is available on CDAS as a manageable download. The subset was constructed with screen-detected and interval cancers matched to cancer-free controls.</p>	.C="Control" 0="Not Selected" 1="Case" 2="Control - 1x" 3="Control - 2x" 4="Control - 3x" 5="Control - 4x"

Variable	Label	Description	Format Text
<b>eligible_population</b>	Eligible For Selection Into The 2020 25K Population	<p>Identifies if the participant was eligible to be selected for the standard 25k after exclusion criteria.</p> <p>The Standard 25k Selection is a selection of 25,000 PLCO participants with X-ray images that is available for download from CDAS. It includes all participants with T0-T5 lung cancer or non-target cancer, all participants with any abnormal/suspicious screens, a random selection of participants with any abnormal/not suspicious screens, and a random selection of participants with all negative screens.</p>	.C="Control" 0="Not Eligible" 1="Eligible"
<b>has_xry_image0-3</b>	Has Image From Study Year [X]?	Indicates if the participant has at least one usable image in the given study year.	.C="Control" 0="No" 1="Yes"
<b>in25k_ccsub_eligible0-3</b>	Eligible To Be Selected As A Case Or Control In The Case/Control Subset	<p>Eligible To Be Selected As A Case Or Control In The Case/Control Subset</p> <p>The Case/Control Subset is a selection of X-ray images designed for the analysis of lung cancer that is available on CDAS as a manageable download. The subset was constructed with screen-detected and interval cancers matched to cancer-free controls.</p>	.C="Control" 0="Not Eligible" 1="Eligible"
<b>num_xry_images</b>	Number of Images Across All Study Years		Numeric .C="Control"
<b>num_xry_study_yrs</b>	Number of Study Years Across All Images		Numeric .C="Control"
<b>selected_25k_2020</b>	Selected For 2020 25K Population	<p>Participant is part of the standard 25k selection.</p> <p>The Standard 25k Selection is a selection of 25,000 PLCO participants with X-ray images that is available for download from CDAS. It includes all participants with T0-T5 lung cancer or non-target cancer, all participants with any abnormal/suspicious screens, a random selection of participants with any abnormal/not suspicious screens, and a random selection of participants with all negative screens.</p>	.C="Control" 0="Not Selected" 1="Selected"

Variable	Label	Description	Format Text
<b>selected_25k_2020_batch_prsn</b>	Download Batch For Standard 25k Selection Images	<p>Image download batch associated with images in Standard 25k Selection.</p> <p>Individuals selected in the Case/Control Subset have selected images placed in Batch A, with remaining images placed in Batch B. All other individuals appear only in one of the remaining batches.</p> <p>The Standard 25k Selection is a selection of 25,000 PLCO participants with X-ray images that is available for download from CDAS. It includes all participants with T0-T5 lung cancer or non-target cancer, all participants with any abnormal/suspicious screens, a random selection of participants with any abnormal/not suspicious screens, and a random selection of participants with all negative screens.</p>	.C="Control" .N="Not Applicable" 1="Batch A/B" 3="Batch C" 4="Batch D" 5="Batch E" 6="Batch F"
<b>selected_25k_2020_set</b>	Set For Standard 25k Selection Images	<p>Image download set associated with images in Standard 25k Selection.</p> <p>The Standard 25k Selection was divided into two equally-distributed sets that were intended to be used as training and test sets.</p> <p>The Standard 25k Selection is a selection of 25,000 PLCO participants with X-ray images that is available for download from CDAS. It includes all participants with T0-T5 lung cancer or non-target cancer, all participants with any abnormal/suspicious screens, a random selection of participants with any abnormal/not suspicious screens, and a random selection of participants with all negative screens.</p>	.C="Control" .N="Not Applicable" 1="Set 1" 2="Set 2"
<b>selected_ccsub0-3</b>	Study Year Selected For The 2020 Case/Control Subset	<p>Participant's X-ray image from study year was selected in the case/control subset.</p> <p>The Case/Control Subset is a selection of X-ray images designed for the analysis of lung cancer that is available on CDAS as a manageable download. The subset was constructed with screen-detected and interval cancers matched to cancer-free controls.</p>	.C="Control" 0="Not Selected" 1="Selected"
<b>selected_ccsub_2020</b>	Selected For The 2020 Case/Control Subset Population	<p>Participant was ever selected as a case or control in the case/control subset of the 25k selection.</p> <p>The Case/Control Subset is a selection of X-ray images designed for the analysis of lung cancer that is available on CDAS as a manageable download. The subset was constructed with screen-detected and interval cancers matched to cancer-free controls.</p>	.C="Control" 0="Not Selected" 1="Selected"

Variable	Label	Description	Format Text
<b>weight_25k_to_elig</b>	Weight For Participant Selected For 25K Population	<p>Variable to weight the 25k population to the eligible population.</p> <p>The Standard 25k Selection is a selection of 25,000 PLCO participants with X-ray images that is available for download from CDAS. It includes all participants with T0-T5 lung cancer or non-target cancer, all participants with any abnormal/suspicious screens, a random selection of participants with any abnormal/not suspicious screens, and a random selection of participants with all negative screens.</p>	Numeric .C="Control" .N="Not Applicable"
<b>weight_ccsub_to_elig0-3</b>	Weight For Study Year Selected In The 2020 Case/Control Subset	<p>This is the sampling weight for a study year selected in the case/control subset. Variable is used to weight the population to the total eligible population to be selected in the standard 25k selection.</p> <p>The Case/Control Subset is a selection of X-ray images designed for the analysis of lung cancer that is available on CDAS as a manageable download. The subset was constructed with screen-detected and interval cancers matched to cancer-free controls.</p> <p>The Standard 25k Selection is a selection of 25,000 PLCO participants with X-ray images that is available for download from CDAS. It includes all participants with T0-T5 lung cancer or non-target cancer, all participants with any abnormal/suspicious screens, a random selection of participants with any abnormal/not suspicious screens, and a random selection of participants with all negative screens.</p>	Numeric .C="Control" .M="Missing data" .N="Not Applicable"

## Section 16: LSS Eligibility

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Variable	Label	Description	Format Text
<b>nslt_flag</b>	PLCO Participants Who Qualify for the National Lung Screening Trial	Met National Lung Screening Trial (NSLT) entry criteria of 30+ pack years and current smoker or quit within past 15 years. In order to be considered as meeting the criteria in this variable, the participant must have met the criteria both at the time of randomization and at the time of completion of the Baseline Questionnaire.	.F="No Form" .M="Not Answered" 0="No" 1="Yes"

## Section 17: Pathology Images

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Variable	Label	Description	Format Text
<b>lung_has_deliv_heslide_i mg</b>	Has a Deliverable Lung H&E Slide Image	Has a deliverable Lung H&E Slide image? Not all were deliverable due to duplicates or no consent.	.N="Not Applicable" 1="Yes"
<b>lung_num_heslide_imgs</b>	Number of Lung H&E Slide Images	Number of deliverable lung H&E Slide images participant has.	Numeric .N="Not Applicable"

## Section 18: 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 19: Death Certificate Cause of Death

Variable	Label	Description	Format Text
d_cause_of_death	Cause of Death from Death Certificate	<p>Categorized underlying cause of death.</p> <p>This is a grouping of ICD-9 codes for underlying causes of death from the death certificate. If the cause of death is from cancer, the grouping is based on the PLCO trial cancers of interest.</p>	.F="No Form" .N="Not applicable" 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" 26="Other Neoplasm" 100="Ischemic Heart Disease" 101="Cerebrovascular Accident" 102="Other Circulatory Disease" 103="Respiratory Illness" 104="Digestive Disease" 105="Infectious Disease" 106="Endocrine, Nutritional and Metabolic Diseases, and Immunity Disorders" 107="Diseases of the Nervous System" 108="Accident"  [continued...]

Variable	Label	Description	Format Text
[...continued]			[...continued] 109="Other" 200="Covid death"
d_seer_death	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>	.F="No Form" .N="Not Applicable" 1="Prostate" 2="Lung" 3="Colorectal" 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 Mesentery" 21130="Other Digestive Organs" 22050="Pleura" 22060="Trachea, Mediastinum and Other Resp Organs" 23000="Bones and Joints" 24000="Soft Tissue including Heart" 25020="Other Non-Epithelial Skin" 27010="Cervix Uteri" 27050="Vagina" [continued...]

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

Variable	Label	Description	Format Text
<b>[...continued]</b>			[...continued]
<b>d_seer_death</b>			<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="Parkinson's 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>60009="All other diseases of respiratory system"</p> <p>60010="All other noninfective gastroenteritis and colitis"</p> <p>60011="All other diseases of digestive system"</p> <p>60012="All other diseases of urinary system"</p> <p>70000="Covid death"</p>

Variable	Label	Description	Format Text
d_seercat_death	SEER Cause of Death	A translation of ICD9 codes for underlying cause of death into our seercat format, which uses categories determined by SEER.	.F="No Form" .N="Not Dead" 1="Prostate" 2="Lung" 3="Colorectal" 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" 112="Digestive System" 113="Respiratory System" 114="Bones and Joints" 115="Soft Tissue including Heart" 116="Skin excluding Basal and Squamous" 118="Female Genital System" 119="Male Genital System" 120="Urinary System" 121="Eye and Orbit" 123="Endocrine System" 129="Miscellaneous" 131="In situ, benign or unknown behavior neoplasm" 135="Septicemia" 136="Other Infectious and Parasitic Diseases" 137="Diabetes Mellitus"  [continued...]

Variable	Label	Description	Format Text
[...continued]  d_seercat_death			[...continued]  138="Alzheimers" 139="Diseases of Heart" 140="Hypertension without Heart Disease" 141="Cerebrovascular Diseases" 142="Atherosclerosis" 143="Aortic Aneurysm and Dissection" 144="Other Diseases of Arteries, Arterioles, Capillaries" 145="Pneumonia and Influenza" 146="Chronic Obstructive Pulmonary Disease and Allied Cond." 147="Stomach and Duodenal Ulcers" 148="Chronic Liver Disease and Cirrhosis" 149="Nephritis, Nephrotic Syndrome and Nephrosis" 151="Congenital Anomalies" 153="Symptoms, Signs and Ill-Defined Conditions" 180="Covid death" 199="Other death" 200="Unnatural death"
d_cancersite	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"
d_dthl	Is Lung Cancer The Underlying Cause Of Death?	Is lung cancer the underlying cause of death? This conclusion is based on the information from the death certificate.	0="No" 1="Yes"

## Section 20: Final Cause of Death

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Variable	Label	Description	Format Text
f_cause_of_death	Cause of Death	<p>Categorized 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. If the cause of death is from cancer, the grouping is based on the PLCO trial cancers of interest.</p>	.F="No Form" .M="Missing" .N="Not applicable" 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" 26="Other Neoplasm" 100="Ischemic Heart Disease" 101="Cerebrovascular Accident" 102="Other Circulatory Disease" 103="Respiratory Illness" 104="Digestive Disease" 105="Infectious Disease" 106="Endocrine, Nutritional and Metabolic Diseases, and Immunity Disorders" 107="Diseases of the Nervous System"  [continued...]

Variable	Label	Description	Format Text
[...continued]			[...continued]
f_cause_of_death			108="Accident" 109="Other" 200="Covid death"
f_seer_death	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>	.F="No Form" .M="Missing" .N="Not Applicable" 1="Prostate" 2="Lung" 3="Colorectal" 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 Mesentery" 21130="Other Digestive Organs" 22050="Pleura" 22060="Trachea, Mediastinum and Other Resp Organs" 23000="Bones and Joints" 24000="Soft Tissue including Heart" 25020="Other Non-Epithelial Skin" 27010="Cervix Uteri"  [continued...]

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

Variable	Label	Description	Format Text
<b>[...continued]</b>			[...continued] Syndrome and Nephrosis" 50180="Congenital Anomalies" 50200="Symptoms, Signs and III-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="Parkinson's 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" 60010="All other noninfective gastroenteritis and colitis" 60011="All other diseases of digestive system" 60012="All other diseases of urinary system" 70000="Covid death"
<b>f_seer_death</b>			

Variable	Label	Description	Format Text
f_seercat_death	SEER Cause of Death	A translation of ICD9 codes for underlying cause of death into our seercat format, which uses categories determined by SEER.	.F="No Form" .M="Missing" .N="Not Dead" 1="Prostate" 2="Lung" 3="Colorectal" 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" 112="Digestive System" 113="Respiratory System" 114="Bones and Joints" 115="Soft Tissue including Heart" 116="Skin excluding Basal and Squamous" 118="Female Genital System" 119="Male Genital System" 120="Urinary System" 121="Eye and Orbit" 123="Endocrine System" 129="Miscellaneous" 131="In situ, benign or unknown behavior neoplasm" 135="Septicemia" 136="Other Infectious and Parasitic Diseases"  [continued...]

Variable	Label	Description	Format Text
[...continued]  f_seercat_death			[...continued]  137="Diabetes Mellitus" 138="Alzheimers" 139="Diseases of Heart" 140="Hypertension without Heart Disease" 141="Cerebrovascular Diseases" 142="Atherosclerosis" 143="Aortic Aneurysm and Dissection" 144="Other Diseases of Arteries, Arterioles, Capillaries" 145="Pneumonia and Influenza" 146="Chronic Obstructive Pulmonary Disease and Allied Cond." 147="Stomach and Duodenal Ulcers" 148="Chronic Liver Disease and Cirrhosis" 149="Nephritis, Nephrotic Syndrome and Nephrosis" 151="Congenital Anomalies" 153="Symptoms, Signs and Ill-Defined Conditions" 180="Covid death" 199="Other death" 200="Unnatural death"
f_cancersite	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"
f_dthl	Is Lung Cancer The Underlying Cause Of Death?	Is lung 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 21: 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 22: BQ Demographics

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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	Question 3 - "What is the highest grade or level of schooling you completed?"	.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	Question 4 - "What is your current marital status?"	.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	Question 5 - "Which of these categories best describes your current working situation?"	.F="No Form" .M="Not Answered" 1="Homemaker" 2="Working" 3="Unemployed" 4="Retired" 5="Extended Sick Leave" 6="Disabled" 7="Other"

## Section 23: BQ Smoking

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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 24: BQ Family History

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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>lung_fh</b>	Family History of Lung Cancer	Lung 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>lung_fh_age</b>	Age of Youngest Relative with Lung Cancer	Diagnosis age of the youngest first-degree relative diagnosed with lung cancer.	Numeric .A="Ambiguous" .F="No Form" .M="Missing" .N="Not Applicable"
<b>lung_fh_cnt</b>	# of Relatives with Lung Cancer	The number of first-degree relatives with lung 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 25: BQ Body Type

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Variable	Label	Description	Format Text
<b>bmi_circ</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: - 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>bmi_curr</b>	BMI at Baseline	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>height_f</b>	Height (inches)	Question 23 - "How tall are you?"  Height is considered out of range if any of the following occur: - 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="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: - 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"

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 26: 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 27: BQ Diseases

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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 28: BQ Female Specific

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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>bcontrt</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
livec	# 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"
miscar	# 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+"
preg_f	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"
prega	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+"
pregc	# 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+"
stillb	# 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+"
trypreg	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
tubal	# 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+"
fmenstr	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+"
lmenstr	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+"
menstrs	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"
menstrs_stat_type	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"
post_menopausal	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"
bbd	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"
benign_ovcyst	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 29: BQ Male Specific

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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
urinatea	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 30: BQ Prostate Surgery

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Variable	Label	Description	Format Text
<b>surg_age</b>	Age at First Prostate Surgery	Question M39 - "How old were you when you had a surgical procedure of the prostate the first time?"  Participants who were "<30" or "30-39" when they had their first prostate surgery were collapsed into a "<40" category.	.F="No Form" .G="Wrong Gender" .M="Not Answered" .N="Not Applicable" 1=<40" 2="40-49" 3="50-59" 4="60-69" 5="70+"
<b>surg_any</b>	Ever Have Any Prostate Surgeries?	Question M38 - "Have you ever had any of the following surgical procedures of the prostate?"  Has the participant had at least one of the following prostate surgeries: 1. Prostatectomy for benign disease. 2. Transurethral resection of the prostate or TURP. 3. Biopsy of the prostate. 4. Prostate surgery, but the type is unknown. 5. The participant provided the age of the first prostate surgery and did not answer they don't know if they had any surgery.	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes" 2="Don't Know"
<b>surg_biopsy</b>	Ever Have Biopsy of Prostate?	Question M38 - "Have you ever had any of the following surgical procedures of the prostate?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"
<b>surg_prostatectomy</b>	Ever Had Prostatectomy for Benign Disease?	Question M38 - "Have you ever had any of the following surgical procedures of the prostate?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"
<b>surg_resection</b>	Ever Had Transurethral Resection of Prostate?	Question M38 - "Have you ever had any of the following surgical procedures of the prostate?"	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"
<b>vasect_f</b>	Had a Vasectomy?	Question M40 - "Have you had a vasectomy, that is, a sterilization procedure for men?"  Participants who didn't answer or said "no" are modified to "yes" when they list an age when they had a vasectomy.	.F="No Form" .G="Wrong Gender" .M="Not Answered" 0="No" 1="Yes"

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 31: BQ Screening History

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Variable	Label	Description	Format Text
xray_history	Had a Chest X-Ray in Past 3 Years?	Question M43, F55 - " During the past three years, have you had a chest x-ray?"	.F="No Form" .M="Not Answered" 0="No" 1="Yes, Once" 2="Yes, More Than Once" 3="Don't Know"