

# Breast Data Dictionary

## TABLE OF CONTENTS

Document Summary.....	3
Breast: Data Dictionary .....	4
Section 1: Identifiers .....	4
Section 2: Study .....	5
Section 3: BQ Eligibility.....	6
Section 4: DHQ Eligibility .....	7
Section 5: DQX Eligibility .....	8
Section 6: SQX Eligibility .....	9
Section 7: MUQ Eligibility .....	10
Section 8: Exit.....	11
Section 9: Demographics at Trial Entry.....	13
Section 10: Cancer Diagnosis .....	14
Section 11: Cancer Characteristics .....	15
Section 12: Path HE Images.....	18
Section 13: Mortality Status .....	19
Section 14: Death Certificate Cause of Death .....	20
Section 15: Final Cause of Death .....	26
Section 16: BQ Compliance .....	32
Section 17: BQ Demographics .....	33
Section 18: BQ Smoking.....	34
Section 19: BQ Family History .....	36
Section 20: BQ Body Type .....	37
Section 21: BQ NSAIDS.....	39
Section 22: BQ Diseases.....	40
Section 23: BQ Female Specific.....	42



---

## Document Summary

Property	Value
Document Title	Breast: Data Dictionary
Date Created	10/15/2024
Sections	23
Entries	176
Document Filename	dictionary_breast-t20241011.rtf

---

# Breast: 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, 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
<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

---

Variable	Label	Description	Format Text
<b>ph_breast_trial</b>	Trial Personal History of Breast Cancer	Did the participant have a personal history of breast cancer prior to trial entry?	0="No" 1="Yes" 9="Unknown"
<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

Variable	Label	Description	Format Text
<b>breast_eligible_bq</b>	BQ Breast Analysis: Eligible?	Flagged participants must have completed a valid questionnaire, had no history of breast 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_breast_bq</b>	BQ Analysis Personal History of Breast Cancer	Did the participant have a personal history of breast cancer prior to BQ analysis entry?	.F="No Form" 0="No" 1="Yes" 9="Unknown"
<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

Variable	Label	Description	Format Text
<b>breast_eligible_dhq</b>	DHQ Breast 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_breast_dhq</b>	DHQ Analysis Personal History of Breast Cancer	Did the participant have a personal history of breast cancer prior to DHQ analysis entry?	.F="No Form" 0="No" 1="Yes" 9="Unknown"
<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

---

Variable	Label	Description	Format Text
<b>breast_eligible_dqx</b>	DQX Breast 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_breast_dqx</b>	DQX Analysis Personal History of Breast Cancer	Did the participant have a personal history of breast cancer prior to DQX analysis entry?	.F="No Form" 0="No" 1="Yes" 9="Unknown"
<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>breast_eligible_sqx</b>	SQX Breast Analysis: Eligible?	Flagged participants must have completed a valid questionnaire, had no history of breast 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_breast_sqx</b>	SQX Analysis Personal History of Breast Cancer	Did the participant have a personal history of breast cancer prior to SQX analysis entry?	.F="No Form" 0="No" 1="Yes" 9="Unknown"
<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

---

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_breast_muq</b>	MUQ Analysis Personal History of Breast Cancer	Did the participant have a personal history of breast cancer prior to MUQ analysis entry?	.F="No Form" 0="No" 1="Yes" 9="Unknown"
<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>breast_exitstat</b>	Breast Incidence Exit Status	Status of the participant at exit for breast cancer incidence.	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>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>breast_exitdays</b>	Days Until Breast Incidence Exit	Days from trial entry (randomization) to cancer diagnosis for participants with breast 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>breast_exitage</b>	Breast Incidence Exit Age	Age of participant at exit for breast cancer incidence. This is age at diagnosis for participants with breast 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.	2="Female"

## Section 10: Cancer Diagnosis

Variable	Label	Description	Format Text
<b>breast_cancer</b>	Confirmed Breast Cancer?	Does the participant have confirmed breast cancer diagnosed during the trial?	0="No Confirmed Cancer" 1="Confirmed Cancer"
<b>breast_cancer_diagdays</b>	Breast Confirmed Cancer Diagnosis Days		Numeric .N="Not Applicable"
<b>breast_cancer_first</b>	Was Breast Cancer the First Diagnosed Cancer?	Among all of a participant's cancers diagnosed during the trial, was breast cancer the earliest?	.N="Not Applicable" 0="No" 1="Yes"
<b>breast_num_cancers</b>	Number of Breast Cancers		Numeric
<b>has_bcs</b>	Has A BCS Form	This breast cancer has an additional level of confirmation from the 'Breast Cancer Supplemental' form. Cancers with a BCS form have additional cancer characteristics available.	0="False" 1="True"
<b>breast_dxproc</b>	Procedure That Diagnosed Breast Cancer	BCS-1.a	.F="No BCS Form" 1="FNA" 2="Excisional Biopsy" 3="Incisional Biopsy" 4="Core Biopsy" 11="Other Breast Biopsy, Yielding Tissue" 12="Other Breast Biopsy Yielding Cytology" 13="Other Organ (Non Breast) Biopsy Yielding Tissue" 14="Other Organ (Non Breast) Biopsy Yielding Cytology" 15="Lymph Node Biopsy Yielding Tissue" 16="Lymph Node Biopsy Yielding Cytology" 17="Other Biopsy, Yielding Tissue (Specify)" 18="Other Biopsy, Yielding Cytology (Specify)" 19="No Biopsy Performed, Radiologic/Clinical Diagnosis" 99="Unknown, Not Recorded, Or Cannot Be Assessed"
<b>breast_resect_proc</b>	Surgical Resection Procedure	BCS-3	.F="No BCS Form" 1="Lumpectomy" 2="Mastectomy" 3="Biopsy Only" 4="Other, Specify"
<b>breast_annyr</b>	Anniversary year of diagnosis	The breast cancer anniversary year. If the participant has no cancer, this is set to .N.	Numeric .N="Not applicable"
<b>breast_reason</b>	Reason For Biopsy	BCS-1.b	.F="No BCS Form" 1="Screen Derived (Occult)" 2="Symptomatic" 9="Other"

## Section 11: Cancer Characteristics

Variable	Label	Description	Format Text
<b>breast_er_status</b>	Estrogen Receptor Status	Summary of BCS-12.a	.F="No BCS Form" 1="Negative" 2="Equivocal - Positive Cells Within Range of 1-9%" 3="Positive" 4="Indeterminant" 5="Not Available" 6="Ordered, No Results" 7="Not Ordered"
<b>breast_pr_status</b>	Progesterone Receptor Status	Summary of BCS-12.b	.F="No BCS Form" 1="Negative" 2="Equivocal - Positive Cells Within Range of 1-9%" 3="Positive" 4="Indeterminant" 5="Not Available" 6="Ordered, No Results" 7="Not Ordered"
<b>breast_estrogen_quant</b>	Quantitative ER: % Positive Cells	BCS-12.a.2	Numeric .F="No BCS Form" .M="Missing"
<b>breast_progest_quant</b>	Quantitative PR: % Positive Cells	BCS-12.b.2	Numeric .F="No BCS Form" .M="Missing" 999="Not Available"
<b>breast_her2_stat</b>	HER2 Status - IHC	BCS-12.c.1	.F="No BCS Form" 0="0" 1="1+" 2="2+" 3="3+" 8="Not Ordered" 9="Ordered, No Results"
<b>breast_her2fish_ratio</b>	HER2/CEP17 Ratio	BCS-12.c.2.b	Numeric .F="No BCS Form" .M="Missing"
<b>breast_her2summ</b>	HER2 Summary	A summary of HER2 FISH and HER2 IHC.	.F="No BCS Form" 1="Positive" 2="Equivocal" 3="Negative" 4="Indeterminant" 5="Ordered, No Results"
<b>breast_stage</b>	Breast Stage (AJCC 5th Edition)		.F="No Form" .M="Missing Data" 0="Stage 0" 100="Stage I" 210="Stage IIA" 220="Stage IIB" 310="Stage IIIA" 320="Stage IIIB" 400="Stage IV"

Variable	Label	Description	Format Text
<b>breast_stage_m</b>	Breast Stage M Component		.F="No Form" .M="Missing Data" 0="M0" 100="M1" 999="MX"
<b>breast_stage_n</b>	Breast Stage N Component		.F="No Form" .M="Missing Data" 0="N0" 110="N1a" 120="N1b" 200="N2" 300="N3" 999="NX"
<b>breast_stage_t</b>	Breast Stage T Component		.F="No Form" .M="Missing Data" 20="Tis" 100="T1" 110="T1a" 120="T1b" 130="T1c" 180="T1mi" 200="T2" 300="T3" 400="T4" 410="T4a" 420="T4b" 430="T4c" 440="T4d" 999="TX"
<b>breast_stage_7e</b>	Breast Stage (AJCC 7th Edition)		.F="No Form" .M="Missing Data" 0="Stage 0" 100="Stage I" 110="Stage IA" 210="Stage IIA" 220="Stage IIB" 300="Stage III" 310="Stage IIIA" 320="Stage IIIB" 330="Stage IIIC" 400="Stage IV"
<b>breast_behavior</b>	Breast Cancer Behavior		.F="No Form" .N="Not Applicable" 2="In Situ" 3="Malignant, Primary Site"
<b>breast_grade</b>	Breast Cancer Grade		.N="Not Applicable" 1="Well Differentiated; Grade I" 2="Moderately Differentiated; Grade II" 3="Poorly Differentiated; Grade III" 4="Undifferentiated; Grade IV" 9="Not Determined/Stated/or Applicable"
<b>breast_hist_type</b>	Breast Cancer Type		.F="No BCS Form" 1="Lobular" 2="Tubular" 3="Ductal, NOS" 4="Other"



Variable	Label	Description	Format Text
<b>breast_morphology</b>	Breast Cancer Morphology		Numeric .F="No Form" .N="Not Applicable"
<b>breast_topography</b>	Breast Cancer Topography		" " = "Not Applicable, No Form, or Missing" "C500" = "Nipple" "C501" = "Central Portion of Breast" "C502" = "Upper Inner Quadrant of Breast" "C503" = "Lower Inner Quadrant of Breast" "C504" = "Upper Outer Quadrant of Breast" "C505" = "Lower Outer Quadrant of Breast" "C506" = "Axillary Tail of Breast" "C508" = "Overlapping Lesion of Breast" "C509" = "Breast NOS"
<b>breast_tmrsiz</b>	Breast Cancer Tumor Size		.F="No BCS Form" .M="Missing" 1="0 cm to Less Than 2 cm" 2="2 cm to Less Than 5 cm" 3="5 cm or More"

## Section 12: Path HE Images

---

Variable	Label	Description	Format Text
<b>breast_has_deliv_heslide_img</b>	Has a Deliverable Breast H&E Slide Image	Has a deliverable breast H&E Slide image? Not all were deliverable due to duplicates or no consent.	.N="Not Applicable" 1="Yes"
<b>breast_has_deliv_ihcmarker_img</b>	Has a Deliverable Breast IHC Marker Image	Has a deliverable breast H&E Slide image? Not all were deliverable due to duplicates or no consent.	.N="Not Applicable" 1="Yes"
<b>breast_num_heslide_images</b>	Number of Breast H&E Slide Images	Number of deliverable breast H&E Slide images participant has.	Numeric .N="Not Applicable"
<b>breast_num_ihcmarker_imgs</b>	Number of Breast IHC Marker Images	Number of deliverable breast H&E Slide images participant has.	Numeric .N="Not Applicable"

## Section 13: Mortality Status

---

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 14: Death Certificate Cause of Death

Variable	Label	Description	Format Text
<b>d_cause_of_death</b>	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>	<p>.F="No Form"  .N="Not applicable"  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"  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"  109="Other"  200="Covid death"</p>

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"  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"  21030="Small Intestine"  21042="Colon: Appendix"  21049="Colon: Large Intestine, NOS"  21060="Anus, Anal Canal, and Anorectum"  21110="Retroperitoneum"  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"  27060="Vulva"  27070="Other Female Genital Organs"  29030="Ureter"</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">d_seer_death</p>			<p data-bbox="1161 321 1300 348">[...continued]</p> <p data-bbox="1161 375 1528 1472">           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"            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"         </p> <p data-bbox="1161 1499 1300 1526">[continued...]</p>

Variable	Label	Description	Format Text
<p>[...continued]</p> <p><b>d_seer_death</b></p>			<p>[...continued]  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"</p>

Variable	Label	Description	Format Text
<b>d_seercat_death</b>	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" 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" 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" 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" 138="Alzheimers" 139="Diseases of Heart" 140="Hypertension without Heart Disease"  [continued...]



Variable	Label	Description	Format Text
<b>[...continued]</b> <b>d_seercat_death</b>			[...continued] 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"
<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" 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" 99="Other Cancer" 999="Not Cancer"
<b>d_dth_breast</b>	Is Breast Cancer The Underlying Cause Of Death?	Is breast cancer the underlying cause of death? This conclusion is based on the information from the death certificate.	0="No" 1="Yes"

## Section 15: Final Cause of Death

Variable	Label	Description	Format Text
<b>f_cause_of_death</b>	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>	<p>.F="No Form"  .N="Not applicable"  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"  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"  109="Other"  200="Covid death"</p>

Variable	Label	Description	Format Text
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>	<p>.F="No Form"  .N="Not Applicable"  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"  21030="Small Intestine"  21042="Colon: Appendix"  21049="Colon: Large Intestine, NOS"  21060="Anus, Anal Canal, and Anorectum"  21110="Retroperitoneum"  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"  27060="Vulva"  27070="Other Female Genital Organs"  29030="Ureter"</p> <p>[continued...]</p>

Variable	Label	Description	Format Text
<p data-bbox="94 321 245 348">[...continued]</p> <p data-bbox="94 375 245 403">f_seer_death</p>			<p data-bbox="1161 321 1300 348">[...continued]</p> <p data-bbox="1161 375 1528 1472"> 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"  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" </p> <p data-bbox="1161 1499 1300 1526">[continued...]</p>

Variable	Label	Description	Format Text
<p>[...continued]</p> <p>f_seer_death</p>			<p>[...continued]</p> <p>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
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" .N="Not Dead" 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" 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" 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" 138="Alzheimers" 139="Diseases of Heart" 140="Hypertension without Heart Disease"  [continued...]

Variable	Label	Description	Format Text
<p>[...continued]</p> <p><b>f_seercat_death</b></p>			<p>[...continued]</p> <p>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"</p>
<b>f_cancersite</b>	Cause of Death (From Cancer)	<p>Underlying cause of death from cancer.</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 PLCO trial cancers of interest.</p>	<p>.F="No Form"  .N="Not Dead"  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"  99="Other Cancer"  999="Not Cancer"</p>
<b>f_dth_breast</b>	Is Breast Cancer The Underlying Cause Of Death?	Is breast cancer the underlying cause of death? This conclusion is based on the information from the death certificate and death review.	<p>0="No"  1="Yes"</p>

## Section 16: BQ Compliance

---

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 17: 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>	<p>1="White, Non-Hispanic"</p> <p>2="Black, Non-Hispanic"</p> <p>3="Hispanic"</p> <p>4="Asian"</p> <p>5="Pacific Islander"</p> <p>6="American Indian"</p> <p>7="Missing"</p>
<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>	<p>.F="No Form"</p> <p>.M="Not Answered"</p> <p>0="Not Hispanic"</p> <p>1="Hispanic"</p>
<b>educat</b>	Education	<p>Question 3 - "What is the highest grade or level of schooling you completed?"</p>	<p>.F="No Form"</p> <p>.M="Not Answered"</p> <p>1="Less Than 8 Years"</p> <p>2="8-11 Years"</p> <p>3="12 Years Or Completed High School"</p> <p>4="Post High School Training Other Than College"</p> <p>5="Some College"</p> <p>6="College Graduate"</p> <p>7="Postgraduate"</p>
<b>marital</b>	Marital Status	<p>Question 4 - "What is your current marital status?"</p>	<p>.F="No Form"</p> <p>.M="Not Answered"</p> <p>1="Married Or Living As Married"</p> <p>2="Widowed"</p> <p>3="Divorced"</p> <p>4="Separated"</p> <p>5="Never Married"</p>
<b>occupat</b>	Occupation	<p>Question 5 - "Which of these categories best describes your current working situation?"</p>	<p>.F="No Form"</p> <p>.M="Not Answered"</p> <p>1="Homemaker"</p> <p>2="Working"</p> <p>3="Unemployed"</p> <p>4="Retired"</p> <p>5="Extended Sick Leave"</p> <p>6="Disabled"</p> <p>7="Other"</p>

## Section 18: 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 19: 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>breast_fh</b>	Family History of Female Breast Cancer	Breast cancer family history in first-degree relatives. Includes parents, full-siblings, and children.	.F="No Form" .M="Missing" 0="No" 1="Yes, Immediate Female Family Member" 2="Male Relative Only" 9="Possibly - Relative Or Cancer Type Not Clear"
<b>breast_fh_age</b>	Age of Youngest Relative with Breast Cancer	Diagnosis age of the youngest first-degree relative diagnosed with breast cancer.	Numeric .A="Ambiguous" .F="No Form" .M="Missing" .N="Not Applicable"
<b>breast_fh_cnt</b>	# of Relatives with Breast Cancer	The number of first-degree relatives with breast 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 20: 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 21: BQ NSAIDS

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 22: 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 23: 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" .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" .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" .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" .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" .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" .M="Not Answered" .N="Not Applicable" 1="<30" 2="30-39" 3="40-49" 4="50+"
<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" .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"

Variable	Label	Description	Format Text
<b>curhorm</b>	Currently Using Female Hormones?	Question F52 - "Are you currently using female hormones?"	.F="No Form" .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" .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" .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" .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" .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+"
<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" .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" .M="Not Answered" 0="0" 1="1" 2="2+"

Variable	Label	Description	Format Text
<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" .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" .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" .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" .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" .M="Not Answered" 0="No" 1="Yes"
<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" .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" .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" .M="Not Answered" 1="<40" 2="40-44" 3="45-49" 4="50-54" 5="55+"

Variable	Label	Description	Format Text
<b>menstrs</b>	Type of Menopause	Question F33 - "Did your periods stop because of natural menopause, surgery, radiation, or drug therapy?"	.F="No Form" .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" 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" 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" .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" .M="Not Answered" 0="No" 1="Yes"
<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" .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" .M="Not Answered" 0="No" 1="Yes"