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Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
PATIENT_ID	NHCS Patient ID	Char	ID	Patient Identifier assigned by NCHS. Researchers requesting linked NHCS-CMS data should use PATIENT_ID.
PUBLICID	NHIS Public Use ID	Char	ID	Public-use survey participant identifier assigned by NCHS. Researchers requesting linked NHIS/LSOA II-Medicare data should use PUBLICID.
SEQN	NHANES Respondent Sequence Number	Num	ID	Public-use survey participant identifier assigned by NCHS. Researchers requesting linked NHEFS/NHANES III/NHANES-Medicare data should use SEQN.
RESNUM	NNHS Resident Record (Case) Number	Num	ID	Public-use survey participant identifier assigned by NCHS. Researchers requesting linked 2004 NNHS-Medicare data should use RESNUM.
SURVEY	Survey Name and survey year/cycle	Char		
FILE_YEAR4	Beneficiary Enrollment Reference Year (YYYY)	Num	2014-2018	2016 NHCS has been linked to only 2016-2017 Medicare Data.
BENE_ENROLLMT_REF_YR	Reference Year	Num	2014-2018	2016 NHCS has been linked to only 2016-2017 Medicare Data.
AMI	Acute Myocardial Infarction End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
AMI_MID	Acute Myocardial Infarction Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
AMI_EVER	First Occurrence of Acute Myocardial Infarction	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.

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Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
ALZH	Alzheimer Disease End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
ALZH_MID	Alzheimer Disease Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
ALZH_EVER	First Occurrence of Alzheimer Disease	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
ALZH_DEMEN	Alzheimer Disease and Related Disorders or Senile Dementia End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
ALZH_DEMEN_MID	Alzheimer Disease and Related Disorders or Senile Dementia Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
ALZH_DEMEN_EVER	First Occurrence of Alzheimer Disease and Related Disorders or Senile Dementia	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
ATRIAL_FIB	Atrial Fibrillation End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met

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Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
ATRIAL_FIB_MID	Atrial Fibrillation Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
ATRIAL_FIB_EVER	First Occurrence of Atrial Fibrillation	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
CATARACT	Cataract End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CATARACT_MID	Cataract Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CATARACT_EVER	First Occurrence of Cataract	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
CHRONICKIDNEY	Chronic Kidney Disease End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met

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Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
CHRONICKIDNEY_MID	Chronic Kidney Disease Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CHRONICKIDNEY_EVER	First Occurrence of Chronic Kidney Disease	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
COPD	Chronic Obstructive Pulmonary Disease End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
COPD_MID	Chronic Obstructive Pulmonary Disease Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
COPD_EVER	First Occurrence of Chronic Obstructive Pulmonary Disease	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
CHF	Heart Failure End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CHF_MID	Heart Failure Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met

Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CHF_EVER	First Occurrence of Heart Failure	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
DIABETES	Diabetes End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
DIABETES_MID	Diabetes Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
DIABETES_EVER	First Occurrence of Diabetes	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
GLAUCOMA	Glaucoma End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
GLAUCOMA_MID	Glaucoma Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met

Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
GLAUCOMA_EVER	First Occurrence of Glaucoma	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
HIP_FRACTURE	Hip/Pelvic Fracture End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
HIP_FRACTURE_MID	Hip/Pelvic Fracture Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
HIP_FRACTURE_EVER	First Occurrence of Hip/Pelvic Fracture	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
ISCHEMICHEART	Ischemic Heart Disease End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
ISCHEMICHEART_MID	Ischemic Heart Disease Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
ISCHEMICHEART_EVER	First Occurrence of Ischemic Heart Disease	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.

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Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
DEPRESSION	Depression End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
DEPRESSION_MID	Depression Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
DEPRESSION_EVER	First Occurrence of Depression	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
OSTEOPOROSIS	Osteoporosis End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
OSTEOPOROSIS_MID	Osteoporosis Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
OSTEOPOROSIS_EVER	First Occurrence of Osteoporosis	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
RA_OA	Rheumatoid Arthritis / Osteoarthritis End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met

Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
RA_OA_MID	Rheumatoid Arthritis / Osteoarthritis Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
RA_OA_EVER	First Occurrence of Rheumatoid Arthritis / Osteoarthritis	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
STROKE_TIA	Stroke / Transient Ischemic Attack End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
STROKE_TIA_MID	Stroke / Transient Ischemic Attack Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
STROKE_TIA_EVER	First Occurrence of Stroke / Transient Ischemic Attack	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
CANCER_BREAST	Breast Cancer End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met

Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
			3	Claims and FFS coverage met
CANCER_BREAST_MID	Breast Cancer Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CANCER_BREAST_EVER	First Occurrence of Breast Cancer	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
CANCER_COLORECTAL	Colorectal Cancer End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CANCER_COLORECTAL_MID	Colorectal Cancer Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CANCER_COLORECTAL_EVER	First Occurrence of Colorectal Cancer	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
CANCER_PROSTATE	Prostate Cancer End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CANCER_PROSTATE_MID	Prostate Cancer Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met

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Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CANCER_PROSTATE_EVER	First Occurrence of Prostate Cancer	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
CANCER_LUNG	Lung Cancer End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CANCER_LUNG_MID	Lung Cancer Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CANCER_LUNG_EVER	First Occurrence of Lung Cancer	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
CANCER_ENDOMETRIAL	Endometrial Cancer End-of-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
CANCER_ENDOMETRIAL_MID	Endometrial Cancer Mid-Year Indicator	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met

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Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
CANCER_ENDOMETRIAL_EVER	First Occurrence of Endometrial Cancer	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
ANEMIA	Anemia End Year Flag	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
ANEMIA_MID	Anemia Mid Year Flag	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
ANEMIA_EVER	Anemia First Ever Occurrence Date	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
ASTHMA	Asthma End Year Flag	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
ASTHMA_MID	Asthma Mid Year Flag	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
ASTHMA_EVER	Asthma First Ever Occurrence Date	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.

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Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
HYPERL	Hyperlipidemia End Year Flag	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
HYPERL_MID	Hyperlipidemia Mid Year Flag	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
HYPERL_EVER	Hyperlipidemia First Ever Occurrence Date	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
HYPERP	Benign Prostatic Hyperplasia End Year Flag	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
HYPERP_MID	Benign Prostatic Hyperplasia Mid Year Flag	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
HYPERP_EVER	Benign Prostatic Hyperplasia First Ever Occurrence Date	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
HYPERT	Hypertension End Year Flag	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met

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Variable Name	Variable (VAR) Label	VAR Type	Range of Values	Value Description
			3	Claims and FFS coverage met
HYPERT_MID	Hypertension Mid Year Flag	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
HYPERT_EVER	Hypertension First Ever Occurrence Date	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.
HYPOTH	Acquired Hypothyroidism End Year Flag	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
HYPOTH_MID	Acquired Hypothyroidism Mid Year Flag	Num	0	Neither claims nor FFS coverage met
			1	Claims met, FFS coverage not met
			2	Claims not met, FFS coverage met
			3	Claims and FFS coverage met
HYPOTH_EVER	Acquired Hypothyroidism First Ever Occurrence Date	Num		Date of first occurence as early as Jan 01, 1999. Date provided in SAS date (numeric) format.