

## jul20\_hf\_gwtg Data Dictionary

### The CONTENTS Procedure

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
652	ACDTherdisc	Num	8	DISCMED.		Discharge Meds: ICD Therapy prescribed/contraindicated [D]
590	ACEDISCONTRASPEC_Missing	Num	8	YESNO.		Contraindications or Other Documented Reason(s) For Not Providing ACEI is Missing? [D]
641	ACEIdisc	Num	8	DISCMED.		Discharge Meds: ACEI prescribed/contraindicated [D]
83	ACTIVEINFECOPT_1	Num	8	YESNO.		Active Emerging infectious disease - SARS-COV-1
84	ACTIVEINFECOPT_2	Num	8	YESNO.		Active Emerging infectious disease - SARS-COV-2 (COVID-19)
85	ACTIVEINFECOPT_3	Num	8	YESNO.		Active Emerging infectious disease - MERS
86	ACTIVEINFECOPT_4	Num	8	YESNO.		Active Emerging infectious disease - Other infectious respiratory pathogen
567	ACTIVEINFECOPT_Missing	Num	8	YESNO.		Active Emerging infectious disease Missing [D]
87	ACTIVEINFEC_1	Num	8	YESNO.		Active bacterial or viral infection - Seasonal cold or flu
88	ACTIVEINFEC_2	Num	8	YESNO.		Active bacterial or viral infection - Emerging Infectious Disease
89	ACTIVEINFEC_3	Num	8	YESNO.		Active bacterial or viral infection - Bacterial infection
90	ACTIVEINFEC_4	Num	8	YESNO.		Active bacterial or viral infection - None/ND
568	ACTIVEINFEC_Missing	Num	8	YESNO.		Active bacterial or viral infection Missing [D]
530	AC_ADVDIR	Num	8	YESNO.		Advance Directive Executed
636	ADMITSOURCEi	Num	8	ADMITSOURCE.		Arrival/Admission: Point of Origin for Admission or Visit [D]
575	ADMSYMPTOMS_Missing	Num	8	YESNO.		HF Admission Symptoms are Missing? [D]
557	AGEi	Num	8	8.		Demographics: Age (18-110) [D]
325	AHA_ACEDISCONTRASPEC_1	Num	8	YESNO.		Discharge Meds: ACEI Contraindications: Hypotensive patient who was at immediate risk of cardiogenic shock
326	AHA_ACEDISCONTRASPEC_2	Num	8	YESNO.		Discharge Meds: ACEI Contraindications: Hospitalized patient who experienced marked azotemia
327	AHA_ACEDISCONTRASPEC_3	Num	8	YESNO.		Discharge Meds: ACEI Contraindications: Other
328	AHA_ACEDISCONTRASPEC_4	Num	8	YESNO.		Discharge Meds: ACEI Contraindications: Patient Reason
329	AHA_ACEDISCONTRASPEC_5	Num	8	YESNO.		Discharge Meds: ACEI Contraindications: System Reason
517	AHA_ACTIVITY	Num	8	YESNO.		Risk Interventions: Activity Level/Recommendation
628	AHA_AGEgroup	Num	8	AGEGROUPI.		Demographics: AHA Age Groups [D]
359	AHA_ANTICOAGTYPE	Num	8	AHA_ANTICOAGTYPE.		Discharge Meds: Anticoagulation therapy type
370	AHA_ANTIPLATELETS1	Num	8	ANTIPLATELETS.		Discharge Meds: Other Antiplatelets (First List)

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
371	AHA_ANTIPLATELETS2	Num	8	ANTIPLATELETS.		Discharge Meds: Other Antiplatelets (Second List)
369	AHA_ANTIPLATELETSYESNO	Num	8	YESNO.		Discharge Meds: Other Antiplatelets Prescribed?
331	AHA_ARB	Num	8	ARB.		Discharge Meds: ARB Medication
333	AHA_ARBDISCONTRASPEC_1	Num	8	YESNO.		Discharge Meds: ARB Contraindications: Hypotensive patient who was at immediate risk of cardiogenic shock
334	AHA_ARBDISCONTRASPEC_2	Num	8	YESNO.		Discharge Meds: ARB Contraindications: Hospitalized patient who experienced marked azotemia
335	AHA_ARBDISCONTRASPEC_3	Num	8	YESNO.		Discharge Meds: ARB Contraindications: Other
336	AHA_ARBDISCONTRASPEC_4	Num	8	YESNO.		Discharge Meds: ARB Contraindications: Patient Reason
337	AHA_ARBDISCONTRASPEC_5	Num	8	YESNO.		Discharge Meds: ARB Contraindications: System Reason
136	AHA_BBPRIOR	Num	8	YESNO.		Meds Prior to Admission: Beta-Blocker
377	AHA_BETADISCONTRATYPE_1	Num	8	YESNO.		Contraindications or Other Documented Reason(s) For Not Providing Beta Blockers: Low blood pressure
378	AHA_BETADISCONTRATYPE_2	Num	8	YESNO.		Contraindications or Other Documented Reason(s) For Not Providing Beta Blockers: Fluid overload
379	AHA_BETADISCONTRATYPE_3	Num	8	YESNO.		Contraindications or Other Documented Reason(s) For Not Providing Beta Blockers: Asthma
380	AHA_BETADISCONTRATYPE_4	Num	8	YESNO.		Contraindications or Other Documented Reason(s) For Not Providing Beta Blockers: Patient recently treated with an intravenous positive inotropic agent
381	AHA_BETADISCONTRATYPE_5	Num	8	YESNO.		Contraindications or Other Documented Reason(s) For Not Providing Beta Blockers: Other
382	AHA_BETADISCONTRATYPE_6	Num	8	YESNO.		Contraindications or Other Documented Reason(s) For Not Providing Beta Blockers: Patient Reason
383	AHA_BETADISCONTRATYPE_7	Num	8	YESNO.		Contraindications or Other Documented Reason(s) For Not Providing Beta Blockers: System Reason
175	AHA_BP_ND	Num	8	YESNO.		Admission Vital Signs: BP ND
518	AHA_CARDIACREHAB	Num	8	YESNO.		Risk Interventions: Referred to Outpatient Cardiac Rehab Program
515	AHA_CHOLDIET	Num	8	YESNO.		Risk Interventions: Low Cholesterol/Fat Diet
417	AHA_CHOLRED1	Num	8	CHOLRED.		Discharge Meds: Lipid Lowering Med(s) (first list)
419	AHA_CHOLRED2	Num	8	CHOLRED.		Discharge Meds: Lipid Lowering Med(s) (second list)
421	AHA_CHOLRED3	Num	8	CHOLRED.		Discharge Meds: Lipid Lowering Med(s) (third list)
416	AHA_CHOLRED1CLASS	Num	8	CHOLRED1CLASS.		Discharge Meds: Lipid Lowering Med Class (associated w/ first list)
418	AHA_CHOLRED2CLASS	Num	8	CHOLRED2CLASS.		Discharge Meds: Lipid Lowering Med Class (associated w/ second list)

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
420	AHA_CHOLRED3CLASS	Num	8	CHOLRED3CLASS.		Discharge Meds: Lipid Lowering Med Class (associated w/ third list)
423	AHA_CHOLREDPRIOR	Num	8	YESNO.		Discharge Meds: Lipid Lowering Meds - Taking Prior to Admission?
415	AHA_CHOLREDYESNO	Num	8	YESNO.		Discharge Meds: Lipid Lowering Med(s) Prescribed?
114	AHA_DIAGDM	Num	8	YESNO.		Diagnosis: New Diagnosis of Diabetes
115	AHA_DIAGDMBASIS_1	Num	8	YESNO.		Diagnosis: New Diagnosis of Diabetes Basis - HbA1c
116	AHA_DIAGDMBASIS_2	Num	8	YESNO.		Diagnosis: New Diagnosis of Diabetes Basis - Fasting Blood Sugar
117	AHA_DIAGDMBASIS_3	Num	8	YESNO.		Diagnosis: New Diagnosis of Diabetes Basis - Oral Glucose Tolerance
118	AHA_DIAGDMBASIS_4	Num	8	YESNO.		Diagnosis: New Diagnosis of Diabetes Basis - Test Other
109	AHA_DIAGNOSIS	Num	8	DIAGNOSIS.		Diagnosis: Cardiac Diagnosis
174	AHA_DIASTOLIC	Num	8	8.		Admission Vital Signs: Diastolic Blood Pressure (20-200), mmHg
520	AHA_DMTEACHING	Num	8	YESNO.		Risk Interventions: Was Diabetes Teaching Provided?
404	AHA_DMTXPRIOR	Num	8	YESNO.		Discharge Meds: Taking any diabetic medication prior to admission?
399	AHA_DMTX_1	Num	8	YESNO.		Discharge Meds: Diabetic Tx - None prescribed/ND
400	AHA_DMTX_2	Num	8	YESNO.		Discharge Meds: Diabetic Tx - None - contraindicated
401	AHA_DMTX_3	Num	8	YESNO.		Discharge Meds: Diabetic Tx - Insulin
402	AHA_DMTX_4	Num	8	YESNO.		Discharge Meds: Diabetic Tx - Oral agents
403	AHA_DMTX_5	Num	8	YESNO.		Discharge Meds: Diabetic Tx - Other subcutaneous/injectable agents
282	AHA_DVTPE	Num	8	YESNO.		In-Hospital: Was DVT or PE (pulmonary embolus) documented?
273	AHA_DVTPROPHYLAXIS	Num	8	YESNO.		In-Hospital: Was DVT prophylaxis initiated by the end of hospital day 2?
222	AHA_EKG	Num	8	8.		{HF} Admission Labs: EKG QRS Duration (10-300), ms
224	AHA_EKG_MOR	Num	8	AHA_EKG_MOR.		EKG QRS Morphology
220	AHA_FASTINGBLOOD	Num	8	8.		Admission Labs: Fasting Blood Glucose (20-800), mg/dL
505	AHA_FULOCATION	Num	8	AHA_FULOCATION.		Risk Interventions: Location of first follow-up visit:
459	AHA_ICDCOUNSELING	Num	8	YESNO.		ICD Counseling
460	AHA_ICDREASON	Num	8	YESNO.		Reason for not counseling
451	AHA_IVABRADINE	Num	8	YESNO.		Discharge Meds: Ivabradine
185	AHA_LDL	Num	8	8.		Admission Lipids: LDL (30-500), mg/dL
317	AHA_NBNP_DISC	Num	8	8.		{HF} Discharge Labs: NT-BNP (50-30000), pg/mL
318	AHA_NBNP_DISC_NA	Num	8	YESNO.		{HF} Discharge Labs: NBNP Not Available
461	AHA_NOICDCOUNSELING_1	Num	8	YESNO.		Documented Medical Reason(s) for Not Counseling: ICD or CRT-D device in patient

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
462	AHA_NOICDCOUNSELING_2	Num	8	YESNO.		Documented Medical Reason(s) for Not Counseling; Multiple or significant comorbidities
463	AHA_NOICDCOUNSELING_3	Num	8	YESNO.		Documented Medical Reason(s) for Not Counseling; Limited life expectancy
464	AHA_NOICDCOUNSELING_4	Num	8	YESNO.		Documented Medical Reason(s) for Not Counseling; Other reasons not eligible for ICD (e.g. EF>35%, new onset HF)
465	AHA_NOICDCOUNSELING_5	Num	8	YESNO.		Documented Medical Reason(s) for Not Counseling; Other reasons for not counseling
128	AHA_NOPRIORMEDS	Num	8	YESNO.		Patient on No Meds Prior to Admission
457	AHA_OTHANTIHYPERTENSIVE	Num	8	YESNO.		Discharge Meds: Other Anti-Hypertensive
454	AHA_OTHCALCIUM	Num	8	YESNO.		Discharge Meds: Ca Channel Blocker
455	AHA_OTHDIGOXIN	Num	8	YESNO.		Discharge Meds: Digoxin
448	AHA_OTHDIURETIC	Num	8	YESNO.		Discharge Meds: Diuretic
449	AHA_OTHLOOP	Num	8	YESNO.		Discharge Meds: Diuretic - Loop Diuretic
452	AHA_OTHNITRATE	Num	8	YESNO.		Discharge Meds: Nitrate
458	AHA_OTHOTHER	Num	8	YESNO.		Discharge Meds: Other
450	AHA_OTHTHIAZIDE	Num	8	YESNO.		Discharge Meds: Diuretic - Thiazide Diuretic
508	AHA_PHONE	Num	8	DATETIME20.	DATETIME20.	Risk Interventions: Date of first follow-up phone call:
507	AHA_PHONESCHED	Num	8	YESNO.		Risk Interventions: Follow up Phone Call Scheduled
214	AHA_POTASSIUM_ADM	Num	8	8.1		{HF} Admission Labs: Potassium
216	AHA_POTASSIUM_ADM_NA	Num	8	YESNO.		{HF} Admission Labs: Potassium Not Available
215	AHA_POTASSIUM_U_ADM	Num	8	POTASSIUM_U.		{HF} Admission Labs: Potassium units
225	AHA_PROCEDURES_1	Num	8	YESNO.		In-Hospital: Procedures - No Procedures
226	AHA_PROCEDURES_2	Num	8	YESNO.		In-Hospital: Procedures - Cardiac Cath/Coronary angiography
227	AHA_PROCEDURES_3	Num	8	YESNO.		In-Hospital: Procedures - PCI
228	AHA_PROCEDURES_4	Num	8	YESNO.		In-Hospital: Procedures - PCI with stent
229	AHA_PROCEDURES_10	Num	8	YESNO.		In-Hospital: Procedures - Coronary artery bypass graft
230	AHA_PROCEDURES_11	Num	8	YESNO.		In-Hospital: Procedures - Cardiac Valve Surgery
231	AHA_PROCEDURES_108	Num	8	YESNO.		In-Hospital: Procedures - Right Cardiac Catheterization
232	AHA_PROCEDURES_112	Num	8	YESNO.		In-Hospital: Procedures - Pacemaker
233	AHA_PROCEDURES_113	Num	8	YESNO.		In-Hospital: Procedures - CRT-D (cardiac resynchronization therapy with ICD)
234	AHA_PROCEDURES_114	Num	8	YESNO.		In-Hospital: Procedures - ICD only
235	AHA_PROCEDURES_115	Num	8	YESNO.		In-Hospital: Procedures - Cardioversion
236	AHA_PROCEDURES_116	Num	8	YESNO.		In-Hospital: Procedures - Dialysis or Ultrafiltration unspecified

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
237	AHA_PROCEDURES_117	Num	8	YESNO.		In-Hospital: Procedures - Intra-aortic balloon pump
238	AHA_PROCEDURES_118	Num	8	YESNO.		In-Hospital: Procedures - Left Ventricular assist device
239	AHA_PROCEDURES_119	Num	8	YESNO.		In-Hospital: Procedures - Mechanical ventilation
240	AHA_PROCEDURES_120	Num	8	YESNO.		In-Hospital: Procedures - Transplant (Heart)
241	AHA_PROCEDURES_122	Num	8	YESNO.		In-Hospital: Procedures - Stress Testing
242	AHA_PROCEDURES_123	Num	8	YESNO.		In-Hospital: Procedures - Dialysis
243	AHA_PROCEDURES_124	Num	8	YESNO.		In-Hospital: Procedures - Ultrafiltration
244	AHA_PROCEDURES_125	Num	8	YESNO.		In-Hospital: Procedures - CRT-P (cardiac resynchronization therapy-pacing only)
245	AHA_PROCEDURES_126	Num	8	YESNO.		In-Hospital: Procedures - Atrial Fibrillation Ablation or Surgery
246	AHA_PROCEDURES_127	Num	8	YESNO.		In-Hospital: Procedures - CardioMEMs (implantable hemodynamic monitor)
272	AHA_PTAMBULATDAY2	Num	8	YESNO.		In-Hospital: Was the patient ambulating at the end of hospital day 2?
456	AHA_RAN	Num	8	YESNO.		Discharge Meds: Ranolazine
506	AHA_REASNOFU	Num	8	YESNO.		Risk Interventions: Medical Reason for no documentation of follow-up appointment being scheduled?
494	AHA_SMOKCESMEDS_1	Num	8	YESNO.		Risk Interventions: Smoking Cessation Therapies Prescribed - Counseling Only
495	AHA_SMOKCESMEDS_2	Num	8	YESNO.		Risk Interventions: Smoking Cessation Therapies Prescribed - Over the Counter Nicotine Replacement Therapy
496	AHA_SMOKCESMEDS_3	Num	8	YESNO.		Risk Interventions: Smoking Cessation Therapies Prescribed - Prescription Medications
497	AHA_SMOKCESMEDS_4	Num	8	YESNO.		Risk Interventions: Smoking Cessation Therapies Prescribed - Other
288	AHA_SPECIAL	Num	8	AHA_SPECIAL.		Discharge Disposition: If Home, special discharge circumstances
173	AHA_SYSTOLIC	Num	8	8.		Admission Vital Signs: Systolic Blood Pressure (50-250), mmHg
498	AHA_TREATNOTSP	Num	8	YESNO.		Risk Interventions: Smoking Treatment Not Specified
516	AHA_WEIGHTINTERVENTION	Num	8	YESNO.		Risk Interventions: Obesity Weight Management
647	ALDOdisc	Num	8	DISCMED.		Discharge Meds: Aldosterone Antagonist prescribed/contraindicated [D]
644	ANTICOAGdisc	Num	8	DISCMED.		Discharge Meds: Anticoagulation Therapy prescribed/contraindicated [D]
591	ARBDISCONTRASPEC_Missing	Num	8	YESNO.		Contraindications or Other Documented Reason(s) For Not Providing ARB is Missing? [D]
642	ARBdisc	Num	8	DISCMED.		Discharge Meds: ARB prescribed/contraindicated [D]
643	ASAdisc	Num	8	DISCMED.		Discharge Meds: ASA prescribed/contraindicated [D]

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
559	ASIAN_Missing	Num	8	YESNO.		Asian Race Options are Missing? [D]
599	AdmitDt	Num	8	DATE9.		Arrival/Admission/Discharge: Admission Date [D]
602	AdmitYr	Num	8			Arrival/Admission/Discharge: Admission Year [D]
598	ArrDt	Num	8	DATE9.		Arrival/Admission/Discharge: Arrival Date [D]
601	ArrYr	Num	8			Arrival/Admission/Discharge: Arrival Year [D]
646	BBdisc	Num	8	DISCMED.		Discharge Meds: Beta Blocker prescribed/contraindicated [D]
548	BEDSIZE	Num	8	8.		SiteTrait: # of Beds in Hospital
592	BETADISCONTRATYPE_Missing	Num	8	YESNO.		Contraindications or Other Documented Reason(s) For Not Providing Beta Blockers is Missing? [D]
610	BMIi	Num	8	8.2		Vital Signs: BMI (13-100) [D]
609	BMIi_admit	Num	8	8.2		Vital Signs: Admission BMI (13-100) [D]
607	BMIi_disc	Num	8	8.2		Vital Signs: Discharge BMI (13-100) [D]
618	BNPi_admit	Num	8	8.1		BNP, Admission pg/mL [D]
623	BNPi_disc	Num	8	8.1		BNP, Discharge pg/mL [D]
617	BUNi_admit	Num	8	8.		BUN, Admission mg/dL [D]
624	BUNi_disc	Num	8	8.		BUN, Discharge mg/dL [D]
632	CHOL200i	Num	8	YESNO.		Admission Lipids: Cholesterol Total > 200 [D]
406	CLASSDMTX1	Num	8	CLASSDMTX1F.		Anti-hyperglycemic Medication Class 1
408	CLASSDMTX2	Num	8	CLASSDMTX2F.		Anti-hyperglycemic Medication Class 2
410	CLASSDMTX3	Num	8	CLASSDMTX3F.		Anti-hyperglycemic Medication Class 3
412	CLASSDMTX4	Num	8	CLASSDMTX4F.		Anti-hyperglycemic Medication Class 4
645	CLOPdisc	Num	8	DISCMED.		Discharge Meds: Clopidogrel prescribed/contraindicated [D]
579	CONTRA_ALDOSTERONE_Missing	Num	8	YESNO.		Discharge Meds - Aldosterone Contraindications are Missing? [D]
586	CONTRA_CRT_Missing	Num	8	YESNO.		Discharge Meds - CRT Therapy Contraindications are Missing? [D]
584	CONTRA_ICD_Missing	Num	8	YESNO.		Discharge Meds - ICD Therapy Contraindications are Missing? [D]
578	CONTRA_WARFARIN_Missing	Num	8	YESNO.		Discharge Meds - Warfarin Contraindications are Missing? [D]
614	CRCL_admit	Num	8	8.1		Estimated Creatinine Clearance, Admission [D]
626	CRCL_disc	Num	8	8.1		Estimated Creatinine Clearance, Discharge [D]
2	CREATED_DT	Num	8	DATETIME20.	DATETIME20.	Data Collection: Record Date Created
653	CRTTHERdisc	Num	8	DISCMED.		Discharge Meds: CRT-D or CRT-P prescribed/contraindicated [D]
571	DIAGDMBASIS_Missing	Num	8	YESNO.		New Diagnosis Diabetes Basis is Missing? [D]
630	DISPOSITIONi	Num	8	JC_DISPOSITION.		Discharge Desposition according to AHA definition [D]
76	DMDURATION	Num	8	DMDURATION.		Medical History: Diabetes Duration

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
139	DMMEDSPECADM_1	Num	8	YESNO.		Meds Prior to Admission: Diabetic Medications - DPP-4 Inhibitors
140	DMMEDSPECADM_2	Num	8	YESNO.		Meds Prior to Admission: Diabetic Medications - GLP-1 receptor agonist
141	DMMEDSPECADM_3	Num	8	YESNO.		Meds Prior to Admission: Diabetic Medications - Insulin
142	DMMEDSPECADM_4	Num	8	YESNO.		Meds Prior to Admission: Diabetic Medications - Metformin
143	DMMEDSPECADM_6	Num	8	YESNO.		Meds Prior to Admission: Diabetic Medications - Sulfonyurea
144	DMMEDSPECADM_7	Num	8	YESNO.		Meds Prior to Admission: Diabetic Medications - Thiazolidinedione
145	DMMEDSPECADM_8	Num	8	YESNO.		Meds Prior to Admission: Diabetic Medications - Other oral agents
146	DMMEDSPECADM_9	Num	8	YESNO.		Meds Prior to Admission: Diabetic Medications - Other injectable/subcutaneous agents
574	DMMEDSPECADM_Missing	Num	8	YESNO.		Meds Prior to Admission: Diabetic Medications are Missing? [D]
414	DMTXREASON	Num	8	DMTXREASON.		Was there a documented reason for not prescribing cardioprotective diabetic medication?
582	DMTX_Missing	Num	8	YESNO.		Diabetic Tx are Missing? [D]
648	DMTXdisc	Num	8	DISCMED.		Discharge Meds: Diabetic Tx prescribed/contraindicated [D]
75	DMTYPE	Num	8	DMTYPE.		Medical History: Diabetes Type
577	DVYES_Missing	Num	8	YESNO.		HF DVT Prophylaxis Factors are Missing? [D]
509	DXFUPSCHED	Num	8	DXFUPSCHED.		Risk Interventions: Follow-up appointment scheduled for diabetes management
510	DXFUPSCHEDDT	Num	8	DATETIME20.	DATETIME20.	Risk Interventions: Date of diabetes management follow-up visit
162	DYN_ADMSYMPTOMS_1	Num	8	YESNO.		{HF} Admission Symptoms - Chest pain
163	DYN_ADMSYMPTOMS_2	Num	8	YESNO.		{HF} Admission Symptoms - Decreased appetite/early satiety
164	DYN_ADMSYMPTOMS_3	Num	8	YESNO.		{HF} Admission Symptoms - Dizziness/lightheadedness/syncope
165	DYN_ADMSYMPTOMS_4	Num	8	YESNO.		{HF} Admission Symptoms - Dyspnea at rest
166	DYN_ADMSYMPTOMS_5	Num	8	YESNO.		{HF} Admission Symptoms - Dyspnea on exertion
167	DYN_ADMSYMPTOMS_6	Num	8	YESNO.		{HF} Admission Symptoms - Fatigue
168	DYN_ADMSYMPTOMS_7	Num	8	YESNO.		{HF} Admission Symptoms - Orthopnea
169	DYN_ADMSYMPTOMS_8	Num	8	YESNO.		{HF} Admission Symptoms - Palpitations
170	DYN_ADMSYMPTOMS_9	Num	8	YESNO.		{HF} Admission Symptoms - PND
110	DYN_ATRIALFIB	Num	8	YESNO.		Diagnosis: Atrial Fibrillation
111	DYN_ATRIALFIB_NEW	Num	8	YESNO.		Diagnosis: Documented as New Onset - Atrial Fibrillation
368	DYN_CONTRA_CLOPIDOGREL_DISC	Num	8	YESNO.		Discharge Meds: Clopidogrel Contraindicated?
250	DYN_EF_NA_OBTAINED	Num	8	EF_NA_OBTAINED.		In-Hospital: Ejection Fraction Qualitative: Obtained
39	DYN_MEDHISTNONE	Num	8	YESNO.		Medical History: None

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
40	DYN_MEDHIST_1	Num	8	YESNO.		Medical History: Atrial Fib (Chronic or Recurrent)
41	DYN_MEDHIST_2	Num	8	YESNO.		Medical History: Atrial Flutter (Chronic or Recurrent)
42	DYN_MEDHIST_3	Num	8	YESNO.		Medical History: COPD or Asthma
43	DYN_MEDHIST_6	Num	8	YESNO.		Medical History: Hyperlipidemia
44	DYN_MEDHIST_7	Num	8	YESNO.		Medical History: Hypertension
45	DYN_MEDHIST_8	Num	8	YESNO.		Medical History: Peripheral Vascular Disease
46	DYN_MEDHIST_9	Num	8	YESNO.		Medical History: CAD
47	DYN_MEDHIST_10	Num	8	YESNO.		Medical History: Prior MI
48	DYN_MEDHIST_11	Num	8	YESNO.		Medical History: CVA/TIA
49	DYN_MEDHIST_12	Num	8	YESNO.		Medical History: ICD only
50	DYN_MEDHIST_13	Num	8	YESNO.		Medical History: Heart failure
51	DYN_MEDHIST_14	Num	8	YESNO.		Medical History: Anemia
52	DYN_MEDHIST_15	Num	8	YESNO.		Medical History: Pacemaker
53	DYN_MEDHIST_16	Num	8	YESNO.		Medical History: Dialysis (chronic)
54	DYN_MEDHIST_17	Num	8	YESNO.		Medical History: Renal insufficiency - chronic (SCr>2.0)
55	DYN_MEDHIST_19	Num	8	YESNO.		Medical History: Depression
56	DYN_MEDHIST_22	Num	8	YESNO.		Medical History: Prior PCI
57	DYN_MEDHIST_23	Num	8	YESNO.		Medical History: Prior CABG
58	DYN_MEDHIST_24	Num	8	YESNO.		Medical History: Valvular Heart Disease
59	DYN_MEDHIST_25	Num	8	YESNO.		Medical History: Prior CABG/PCI Undetermined
60	DYN_MEDHIST_26	Num	8	YESNO.		Medical History: CRT-P (cardiac resynchronization therapy-pacing only)
61	DYN_MEDHIST_27	Num	8	YESNO.		Medical History: CRT-D (cardiac resynchronization therapy with ICD)
62	DYN_MEDHIST_28	Num	8	YESNO.		Medical History: Ventricular assist device
63	DYN_MEDHIST_29	Num	8	YESNO.		Medical History: CardioMEMs (implantable hemodynamic monitor)
64	DYN_MEDHIST_30	Num	8	YESNO.		Medical History: Sleep-Disordered Breathing
74	DYN_MEDHIST_31	Num	8	YESNO.		Medical History: Diabetes
77	DYN_MEDHIST_32	Num	8	YESNO.		Medical History: Familial hypercholesterolemia
78	DYN_MEDHIST_36	Num	8	YESNO.		Medical History: Emerging Infectious Disease
120	DYN_OTHERCONDITION_1	Num	8	YESNO.		{HF} Diagnosis: Other Conditions Contributing to HF Exacerbation - Ischemia/ACS
121	DYN_OTHERCONDITION_2	Num	8	YESNO.		{HF} Diagnosis: Other Conditions Contributing to HF Exacerbation - Uncontrolled HTN
122	DYN_OTHERCONDITION_3	Num	8	YESNO.		{HF} Diagnosis: Other Conditions Contributing to HF Exacerbation - Pneumonia/Respiratory Process
123	DYN_OTHERCONDITION_4	Num	8	YESNO.		{HF} Diagnosis: Other Conditions Contributing to HF Exacerbation - Worsening Renal Failure
124	DYN_OTHERCONDITION_5	Num	8	YESNO.		{HF} Diagnosis: Other Conditions Contributing to HF Exacerbation - Arrhythmia



Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
125	DYN_OTHERCONDITION_6	Num	8	YESNO.		{HF} Diagnosis: Other Conditions Contributing to HF Exacerbation - Noncompliance - Dietary
126	DYN_OTHERCONDITION_7	Num	8	YESNO.		{HF} Diagnosis: Other Conditions Contributing to HF Exacerbation - Noncompliance - Medication
127	DYN_OTHERCONDITION_8	Num	8	YESNO.		{HF} Diagnosis: Other Conditions Contributing to HF Exacerbation - Other
600	DischDt	Num	8	DATE9.		Arrival/Admission/Discharge: Discharge Date [D]
603	DischYr	Num	8			Arrival/Admission/Discharge: Discharge Year [D]
702	EF_source	Num	8	EF_SOURCE.		Source of LVEF (Quantitative or Qualitative)
640	Ejfrac40	Num	8	YESNO.		Ejection Fraction < 40 (LVSD derived) [D]
604	GENDERi	Num	8	GENDERI.		Demographics: Gender [D]
554	GH_ACADEMIC	Num	8	YESNO.		SiteTrait: Residents Involved in Care of Patients at Site (Academic)?
552	GH_HEART_TRANSPLANTS	Num	8	YESNO.		SiteTrait: Heart Transplants Performed at Site?
553	GH_INTERVENTIONAL	Num	8	YESNO.		SiteTrait: Interventional Hospitals (Primary PTCA Performed for AMI? =YES & Perform Cardiac Surgery On-Site?=YES)
556	GWTG_AHA_ID	Char	13	\$13.	\$13.	SiteTrait: GWTG AHA ID [D]
560	HAWPAC_Missing	Num	8	YESNO.		Native Hawaiian or Pacific Islander Options are Missing? [D]
633	HDL40i	Num	8	YESNO.		Admission Lipids: HDL < 40 [D]
605	HEIGHTi	Num	8			Vital Signs: Height (127-215) cm [D]
588	HFMGMNTYES_Missing	Num	8	YESNO.		Outpatient HF Management Programs are Missing? [D]
529	HFS_ADVANCEDCARE	Num	8	YESNO.		Advanced Care Plan/Surrogate Decision Maker Documented Or Discussed?
194	HFS_ALBUMIN	Num	8	8.1		Admission Labs: Albumin
196	HFS_ALBUMIN_NA	Num	8	YESNO.		Admission Labs: Albumin not available
195	HFS_ALBUMIN_U	Num	8	ALBUMIN_U.		Admission Labs: Albumin Units
443	HFS_AMIODARONEDC	Num	8	YESNO.		{HF} Discharge Meds: Antiarrhythmic at DC - Amiodarone at DC
442	HFS_ANTIARR	Num	8	YESNO.		{HF} Discharge Meds: Antiarrhythmic at DC
314	HFS_BUN_DC	Num	8	8.		{HF} Discharge Labs: BUN
316	HFS_BUN_DC_NA	Num	8	YESNO.		{HF} Discharge Labs: Bun Not Well Documented
315	HFS_BUN_DC_U	Num	8	BUN_DC_U.		{HF} Discharge Labs: Bun Units
444	HFS_DOFETILIDEDC	Num	8	YESNO.		{HF} Discharge Meds: Antiarrhythmic at DC - Dofetilide at DC
274	HFS_DVTYES_1	Num	8	YESNO.		DVT, if Yes:Low dose unfractionated heparin (LDUH)
275	HFS_DVTYES_2	Num	8	YESNO.		DVT, if Yes:Low molecular weight heparin (LMWH)
276	HFS_DVTYES_3	Num	8	YESNO.		DVT, if Yes:Warfarin
277	HFS_DVTYES_4	Num	8	YESNO.		DVT, if Yes:Intermittent pneumatic compression devices (IPC)

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
278	HFS_DVTYES_6	Num	8	YESNO.		DVT, if Yes:Factor Xa Inhibitor
279	HFS_DVTYES_7	Num	8	YESNO.		DVT, if Yes:Direct thrombin inhibitor
280	HFS_DVTYES_8	Num	8	YESNO.		DVT, if Yes:Venous foot pumps (VFP)
281	HFS_DVTYES_9	Num	8	YESNO.		DVT, if Yes:Other
223	HFS_EKG_NA	Num	8	YESNO.		EKG Not Available
221	HFS_FASTINGBLOOD_NA	Num	8	YESNO.		Fasting Blood Glucose Not Available
283	HFS_FLUVACC	Num	8	FLUVACC.		Influenza Vaccination
502	HFS_FUVISITDATE	Num	8	DATETIME20.	DATETIME20.	Risk Interventions: Date/Time of first follow-up visit
503	HFS_FUVISITDATE_PRECISION	Num	8	PRECISION.		Risk Interventions: Date/Time of first follow-up visit precision
504	HFS_FUVISITND	Num	8	YESNO.		Risk Interventions: Follow Up Visit Not Documented
524	HFS_HFMGMNTYES_1	Num	8	YESNO.		Outpatient HF management programs - Telemanagement
525	HFS_HFMGMNTYES_2	Num	8	YESNO.		Outpatient HF management programs - Home visit
526	HFS_HFMGMNTYES_3	Num	8	YESNO.		Outpatient HF management programs - Clinic-based
271	HFS_IRON	Num	8	YESNO.		Parenteral Therapy - Iron
155	HFS_IVABRADINE	Num	8	YESNO.		Meds Prior to Admission: Ivabradine
287	HFS_MORTALITYRISK	Num	8	8.1		GWTG HF Mortality Risk Score
159	HFS_OMEGA	Num	8	YESNO.		Meds Prior to Admission: Omega-3 fatty acid supplement
425	HFS_OMEGAONTA	Num	8	YESNO.		Discharge Meds: Omega-3 fatty acid supplement Contraindicated?
424	HFS_OMEGAPRES	Num	8	YESNO.		Discharge Meds: Omega-3 fatty acid supplement Prescribed?
253	HFS_ORALMEDS_1	Num	8	YESNO.		Oral Medications during hospitalization - Ace Inhibitor
254	HFS_ORALMEDS_2	Num	8	YESNO.		Oral Medications during hospitalization - ARB
255	HFS_ORALMEDS_3	Num	8	YESNO.		Oral Medications during hospitalization - Beta Blocker
256	HFS_ORALMEDS_4	Num	8	YESNO.		Oral Medications during hospitalization - Aldosterone antagonist
257	HFS_ORALMEDS_5	Num	8	YESNO.		Oral Medications during hospitalization - Hydralazine nitrate
258	HFS_ORALMEDS_6	Num	8	YESNO.		Oral Medications during hospitalization - None
259	HFS_ORALMEDS_7	Num	8	YESNO.		Oral Medications during hospitalization - ARNI
446	HFS_OTH	Num	8	YESNO.		{HF} Discharge Meds: Antiarrhythmic at DC - Other
270	HFS_OTHERIV	Num	8	YESNO.		Parenteral Therapy - Other IV vasodilator
284	HFS_PNEVACC	Num	8	PNEVACC.		Pneumococcal Vaccination
447	HFS_PROCAINAMIDE	Num	8	YESNO.		Historic: {HF} Discharge Meds: Antiarrhythmic at DC - Procainamide at DC
528	HFS_PROVISION	Num	8	YESNO.		Provision of at least 60 minutes of Heart Failure Education by a qualified educator
269	HFS_PTCONTINFUS	Num	8	YESNO.		Parenteral Therapy - Continuous infusion

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
266	HFS_PTDOBUTAMINE	Num	8	YESNO.		Parenteral Therapy - Dobutamine
261	HFS_PTDOPAMINE	Num	8	YESNO.		Parenteral Therapy - Dopamine
268	HFS_PTINTERBOLUS	Num	8	YESNO.		Parenteral Therapy - Intermittent bolus
267	HFS_PTLOOP	Num	8	YESNO.		Parenteral Therapy - Loop diuretics
262	HFS_PTMILRINONE	Num	8	YESNO.		Parenteral Therapy - Milrinone
263	HFS_PTNESIRITIDE	Num	8	YESNO.		Parenteral Therapy - Nesiritide
264	HFS_PTNITROGLYCERINE	Num	8	YESNO.		Parenteral Therapy - Nitroglycerine
260	HFS_PTNONE	Num	8	YESNO.		Parenteral Therapy - None
265	HFS_PTVASOANT	Num	8	YESNO.		Parenteral Therapy - Vasopressin antagonist
527	HFS_REFERALAHA	Num	8	YESNO.		Referral to AHA Heart Failure Interactive Workbook
160	HFS_RENIN	Num	8	YESNO.		Meds Prior to Admission: Renin Inhibitor
453	HFS_RENINDC	Num	8	YESNO.		{HF} Discharge Meds: Renin Inhibitor DC
445	HFS_SOTALOLDC	Num	8	YESNO.		{HF} Discharge Meds: Antiarrhythmic at DC - Sotalol at DC
687	HF_60MINED	Num	8	YESNO.		HF Reporting: 60 Minutes of Heart Failure Education
656	HF_ACEIARBforLVSD	Num	8	YESNO.		HF Achievement: ACEI/ARB or ARNI at Discharge
684	HF_ADCAREPLAN	Num	8	YESNO.		HF Reporting: Advanced Care Plan
664	HF_ALDOANTAGONIST	Num	8	YESNO.		HF Quality: Aldosterone Antagonist at discharge for Patients with HFpEF
673	HF_ALDOANTAGONISTatDISC	Num	8	YESNO.		HF Reporting: Aldosterone Receptor Antagonist at Discharge for Patients with HFpEF
385	HF_ALDOSTERONE	Num	8	ALDOSTERONE.		Aldosterone Antagonist Medications
665	HF_ANTICOAGforAFIB	Num	8	YESNO.		HF Quality: Anticoagulation for Atrial fibrillation or Atrial Flutter
112	HF_ATRIALFLUTTER	Num	8	YESNO.		Atrial Flutter (At presentation or during hospitalization)
113	HF_ATRIALFLUTTER_NEW	Num	8	YESNO.		Atrial Flutter - Documented New Onset
676	HF_BBforLVSD	Num	8	YESNO.		HF Reporting: Beta Blocker at Discharge
373	HF_CLASSBB	Num	8	CLASSBB.		Class of Beta Blocker
661	HF_COMPLIANCE	Num	8	YESNO.		HF Defect-Free Care: 100% Compliance
663	HF_COMPLIANCEold	Num	8	YESNO.		HF Defect-Free Care: 100% Compliance, Version 2005-2011
660	HF_COMPOSITE	Num	8	8.2		HF Composite Performance: Adherence Rate, %
662	HF_COMPOSITEold	Num	8	8.2		HF Composite Performance: Adherence Rate, %, Version 2005-2011
427	HF_CONTRAISOSORBIDE	Num	8	YESNO.		{HF} Discharge Meds: Hydralazine Nitrate - Contraindicated?
386	HF_CONTRA_ALDOSTERONE_DISC	Num	8	YESNO.		Discharge Meds: Aldosterone Antagonist Contraindicated?
387	HF_CONTRA_ALDOSTER_DISC_LIST_1	Num	8	YESNO.		Discharge Meds: Aldosterone Antagonist Contraindications - Allergy due to aldosterone receptor antagonist

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
388	HF_CONTRA_ALDOSTER_DISC_LIST_2	Num	8	YESNO.		Discharge Meds: Aldosterone Antagonist Contraindications - Hyperkalemia
389	HF_CONTRA_ALDOSTER_DISC_LIST_3	Num	8	YESNO.		Discharge Meds: Aldosterone Antagonist Contraindications - Renal dysfunction defined as creatinine >2.5 mg/dL in men or >2.0 mg/dL in women
390	HF_CONTRA_ALDOSTER_DISC_LIST_4	Num	8	YESNO.		Discharge Meds: Aldosterone Antagonist Contraindications - Other
391	HF_CONTRA_ALDOSTER_DISC_LIST_5	Num	8	YESNO.		Discharge Meds: Aldosterone Antagonist Contraindications - Patient Reason
392	HF_CONTRA_ALDOSTER_DISC_LIST_6	Num	8	YESNO.		Discharge Meds: Aldosterone Antagonist Contraindications - System Reason
393	HF_CONTRA_ALDOSTER_DISC_LIST_7	Num	8	YESNO.		Discharge Meds: Aldosterone Antagonist Contraindications - Other medical reasons
480	HF_CONTRA_CRT	Num	8	YESNO.		{HF} Discharge Meds: Reason for not Placing or Prescribing CRT Therapy
481	HF_CONTRA_CRT_LIST_1	Num	8	YESNO.		{HF} Discharge Meds: Documented medical reason(s) for not placing or prescribing CRT therapy - Contraindications
482	HF_CONTRA_CRT_LIST_2	Num	8	YESNO.		{HF} Discharge Meds: Documented medical reason(s) for not placing or prescribing CRT therapy - Any other physician documented reason including not an optimal medical therapy, AMI in prior 40 days, recent onset HF
483	HF_CONTRA_CRT_LIST_3	Num	8	YESNO.		{HF} Discharge Meds: Documented medical reason(s) for not placing or prescribing CRT therapy - Not receiving optimal medical therapy
484	HF_CONTRA_CRT_LIST_4	Num	8	YESNO.		{HF} Discharge Meds: Documented medical reason(s) for not placing or prescribing CRT therapy - Not NYHA functional Class III or ambulatory Class IV
485	HF_CONTRA_CRT_LIST_5	Num	8	YESNO.		{HF} Discharge Meds: Documented medical reason(s) for not placing or prescribing CRT therapy - QRS duration <120 ms
486	HF_CONTRA_CRT_LIST_6	Num	8	YESNO.		{HF} Discharge Meds: Documented medical reason(s) for not placing or prescribing CRT therapy - Patient Reason
487	HF_CONTRA_CRT_LIST_7	Num	8	YESNO.		{HF} Discharge Meds: Documented medical reason(s) for not placing or prescribing CRT therapy - System Reason
467	HF_CONTRA_ICD	Num	8	YESNO.		{HF} Discharge Meds: Reason for not Placing or Prescribing ICD Therapy
468	HF_CONTRA_ICD_LIST_1	Num	8	YESNO.		{HF} Discharge Meds: ICD Therapy Contraindication(s)
469	HF_CONTRA_ICD_LIST_2	Num	8	YESNO.		{HF} Discharge Meds: ICD Therapy Contraindication(s) - Any other physician documented reason including not an optimal medical therapy, AMI in prior 40 days, recent onset HF
470	HF_CONTRA_ICD_LIST_3	Num	8	YESNO.		{HF} Discharge Meds: Not receiving optimal medical therapy

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
471	HF_CONTRA_ICD_LIST_4	Num	8	YESNO.		{HF} Discharge Meds: Patient Reason
472	HF_CONTRA_ICD_LIST_5	Num	8	YESNO.		{HF} Discharge Meds: System Reason
422	HF_CONTRA_LIPID_LOWERING	Num	8	YESNO.		Discharge Meds: Lipid Lowering Meds Contraindicated?
361	HF_CONTRA_WARFARIN_DISC	Num	8	YESNO.		Discharge Meds: Warfarin Contraindicated?
362	HF_CONTRA_WARFARIN_DISC_LIST_1	Num	8	YESNO.		Discharge Meds: Warfarin Contraindications - Allergy to or complication r/t warfarin (hx or current)
363	HF_CONTRA_WARFARIN_DISC_LIST_3	Num	8	YESNO.		Discharge Meds: Warfarin Contraindications - Risk for bleeding or discontinued due to bleeding
364	HF_CONTRA_WARFARIN_DISC_LIST_7	Num	8	YESNO.		Discharge Meds: Warfarin Contraindications - Patient/Family refused
365	HF_CONTRA_WARFARIN_DISC_LIST_8	Num	8	YESNO.		Discharge Meds: Warfarin Contraindications - Serious side effect to medication
366	HF_CONTRA_WARFARIN_DISC_LIST_9	Num	8	YESNO.		Discharge Meds: Warfarin Contraindications - Terminal illness/Comfort Measures Only
668	HF_CRT	Num	8	YESNO.		HF Quality: CRT-D or CRT-P Placed or Prescribed at Discharge
479	HF_CRTP	Num	8	YESNO.		{HF} Discharge Meds: CRT-P Placed or Prescribed
478	HF_CRT_PRESCRIBED	Num	8	YESNO.		{HF} Discharge Meds: CRT-D Placed or Prescribed
679	HF_DIABETESTx	Num	8	YESNO.		HF Reporting: Diabetes Treatment
680	HF_DIABETESTeach	Num	8	YESNO.		HF Reporting: Diabetes Teaching
629	HF_DIAGNOSISi	Num	8	YESNO.		Diagnosis: Any Heart Failure [D]
667	HF_DVTPROPH	Num	8	YESNO.		HF Quality: DVT Prophylaxis
657	HF_EVIDENCEBBforLVSD	Num	8	YESNO.		HF Achievement: Evidence-Based Specific Beta Blockers
670	HF_FLUVACC	Num	8	YESNO.		HF Quality: Influenza Vaccination During Flu Season
659	HF_FUAPPO	Num	8	YESNO.		HF Achievement: Post Discharge Appointment for Heart Failure Patients
672	HF_FUVISIT	Num	8	YESNO.		HF Quality: Follow-up Visit Within 7 Days or Less
690	HF_FUVST48H	Num	8	YESNO.		HF Reporting: Follow-Up Visit or Contact withing 48 hours of Discharge Scheduled
691	HF_FUVST72H	Num	8	YESNO.		HF Reporting: Follow-Up Visit or Contact withing 72 hours of Discharge Scheduled
666	HF_HYDRALAZINEforLVSD	Num	8	YESNO.		HF Quality: Hydralazine Nitrate at Discharge
683	HF_ICD	Num	8	YESNO.		HF Reporting: ICD placed or prescribed at discharge
669	HF_ICDCON	Num	8	YESNO.		HF Quality: ICD counseling or ICD placed or prescribed at discharge
466	HF_ICD_PRESCRIBED	Num	8	YESNO.		{HF} Discharge Meds: ICD Therapy Placed or Prescribed?
682	HF_INSTRUCTIONS	Num	8	YESNO.		HF Reporting: Discharge Instructions
426	HF_ISOSORBIDE	Num	8	YESNO.		{HF} Discharge Meds: Hydralazine Nitrate - Prescribed?

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
674	HF_IVABRADINEatDISC	Num	8	YESNO.		HF Reporting: Ivabradine at Discharge
692	HF_InstrACTIVE	Num	8	YESNO.		HF Reporting: Activity Level Instruction
693	HF_InstrDIET	Num	8	YESNO.		HF Reporting: Diet Instruction
694	HF_InstrFOLLOWUP	Num	8	YESNO.		HF Reporting: Follow up Instruction
695	HF_InstrMEDS	Num	8	YESNO.		HF Reporting: Medication Instruction
697	HF_InstrSYMPWORSE	Num	8	YESNO.		HF Reporting: Symptoms Worsening Instruction
696	HF_InstrWEIGHT	Num	8	YESNO.		HF Reporting: Weight Instruction
677	HF_LIPIDLOW	Num	8	YESNO.		HF Reporting: Lipid lowering Medications at Discharge
658	HF_LVFUNCTION	Num	8	YESNO.		HF Achievement: Measure LV Function
689	HF_MGMTBOOK	Num	8	YESNO.		HF Reporting: Referral to HF Disease Mgmt, 60 Min Patient Education, or HF Interactive Workbook
686	HF_MGMTREF	Num	8	YESNO.		HF Reporting: Heart Failure Disease Management Program Referral
678	HF_OMEGADC	Num	8	YESNO.		HF Reporting: Omega-3 Fatty Acid Supplement Use at Discharge
428	HF_OTHCONTRAISOSORBIDE_1	Num	8	YESNO.		Hydralazine Nitrate - Contraindications or Other Documented Reason(s) For Not Providing Hydralazine Nitrate: Medical Reason
429	HF_OTHCONTRAISOSORBIDE_2	Num	8	YESNO.		Hydralazine Nitrate - Contraindications or Other Documented Reason(s) For Not Providing Hydralazine Nitrate: Patient Reason
430	HF_OTHCONTRAISOSORBIDE_3	Num	8	YESNO.		Hydralazine Nitrate - Contraindications or Other Documented Reason(s) For Not Providing Hydralazine Nitrate: System Reason
433	HF_OTHCONTRAIVA_1	Num	8	YESNO.		Ivabradine - Contraindications or Other Documented Reason(s) For Not Providing Ivabradine: Allergy to Ivabradine
434	HF_OTHCONTRAIVA_2	Num	8	YESNO.		Ivabradine - Contraindications or Other Documented Reason(s) For Not Providing Ivabradine: NYHA class I or IV
435	HF_OTHCONTRAIVA_3	Num	8	YESNO.		Ivabradine - Contraindications or Other Documented Reason(s) For Not Providing Ivabradine: Not treated with maximally tolerated dose beta blockers or beta blockers contraindicated
436	HF_OTHCONTRAIVA_4	Num	8	YESNO.		Ivabradine - Contraindications or Other Documented Reason(s) For Not Providing Ivabradine: New Onset HF
437	HF_OTHCONTRAIVA_5	Num	8	YESNO.		Ivabradine - Contraindications or Other Documented Reason(s) For Not Providing Ivabradine: Not in sinus rhythm
438	HF_OTHCONTRAIVA_6	Num	8	YESNO.		Ivabradine - Contraindications or Other Documented Reason(s) For Not Providing Ivabradine: Patient 100% atrial or ventricular paced

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
439	HF_OTHCONTRAIVA_7	Num	8	YESNO.		Ivabradine - Contraindications or Other Documented Reason(s) For Not Providing Ivabradine: Other medical reasons
440	HF_OTHCONTRAIVA_8	Num	8	YESNO.		Ivabradine - Contraindications or Other Documented Reason(s) For Not Providing Ivabradine: Patient reasons
441	HF_OTHCONTRAIVA_9	Num	8	YESNO.		Ivabradine - Contraindications or Other Documented Reason(s) For Not Providing Ivabradine: System reasons
593	HF_OTHCONTRAIVA_Missing	Num	8	YESNO.		Contraindications or Other Documented Reasons(s) for Not Providing ARNi at Discharge are Missing? [D]
394	HF_OTHER_ALDOSTERONE_1	Num	8	YESNO.		Discharge Meds: Other Reason of Aldosterone Antagonist Contraindication - Economic
395	HF_OTHER_ALDOSTERONE_2	Num	8	YESNO.		Discharge Meds: Other Reason of Aldosterone Antagonist Contraindication - Social
396	HF_OTHER_ALDOSTERONE_3	Num	8	YESNO.		Discharge Meds: Other Reason of Aldosterone Antagonist Contraindication - Religious
397	HF_OTHER_ALDOSTERONE_4	Num	8	YESNO.		Discharge Meds: Other Reason of Aldosterone Antagonist Contraindication - Compliance
398	HF_OTHER_ALDOSTERONE_5	Num	8	YESNO.		Discharge Meds: Other Reason of Aldosterone Antagonist Contraindication - Other reasons noted by patient
488	HF_OTHER_CRT_1	Num	8	YESNO.		{HF} Discharge Meds: Other Documented Reason(s) for not Placing or Prescribing CRT Therapy - Economic
489	HF_OTHER_CRT_2	Num	8	YESNO.		{HF} Discharge Meds: Other Documented Reason(s) for not Placing or Prescribing CRT Therapy - Social
490	HF_OTHER_CRT_3	Num	8	YESNO.		{HF} Discharge Meds: Other Documented Reason(s) for not Placing or Prescribing CRT Therapy - Religious
491	HF_OTHER_CRT_4	Num	8	YESNO.		{HF} Discharge Meds: Other Documented Reason(s) for not Placing or Prescribing CRT Therapy - Compliance
492	HF_OTHER_CRT_5	Num	8	YESNO.		{HF} Discharge Meds: Other Documented Reason(s) for not Placing or Prescribing CRT Therapy - Other reasons noted by patient
473	HF_OTHER_ICD_1	Num	8	YESNO.		{HF} Discharge Meds: Other Documented Reason(s) for not Placing or Prescribing ICD Therapy - Economic
474	HF_OTHER_ICD_2	Num	8	YESNO.		{HF} Discharge Meds: Other Documented Reason(s) for not Placing or Prescribing ICD Therapy - Social
475	HF_OTHER_ICD_3	Num	8	YESNO.		{HF} Discharge Meds: Other Documented Reason(s) for not Placing or Prescribing ICD Therapy - Religious

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
476	HF_OTHER_ICD_4	Num	8	YESNO.		{HF} Discharge Meds: Other Documented Reason(s) for not Placing or Prescribing ICD Therapy - Compliance
477	HF_OTHER_ICD_5	Num	8	YESNO.		{HF} Discharge Meds: Other Documented Reason(s) for not Placing or Prescribing ICD Therapy - Other reasons noted by patient
671	HF_PNEVACC	Num	8	YESNO.		HF Quality: Pneumococcal Vaccination
685	HF_QRS	Num	8	YESNO.		HF Reporting: QRS Duration Documented
16	HF_RACE_2	Num	8	YESNO.		Race: Black or African American
17	HF_RACE_3	Num	8	YESNO.		Race: American Indian or Alaska Native
18	HF_RACE_4	Num	8	YESNO.		Race: Asian
19	HF_RACE_5	Num	8	YESNO.		Race: White
20	HF_RACE_6	Num	8	YESNO.		Race: Native Hawaiian or Pacific Islander
21	HF_RACE_8	Num	8	YESNO.		Race: UTD
558	HF_RACE_Missing	Num	8	YESNO.		Multi Selection Race are Missing? [D]
681	HF_SMOKECESSATION	Num	8	YESNO.		HF Reporting: Smoking Cessation
675	HF_Syst140Dias90	Num	8	YESNO.		HF Reporting: Blood Pressure Control at Discharge
688	HF_WRKBOOK	Num	8	YESNO.		HF Reporting: Referral to AHA Heart Failure Interactive Workbook
704	HFrbpEF	Num	8	HFRBPEF.		Ejection Fraction Estimation [D]
616	HGBi_admit	Num	8	8.1		Hemoglobin, Admission g/dL [D]
561	HISP_Missing	Num	8	YESNO.		Hispanic Ethnicity Options are Missing? [D]
92	HISTORIC_CABG	Num	8	YESNO.		Medical History: Prior CABG/PCI Undetermined
376	HISTORIC_CARTOL	Num	8	YESNO.		Discharge Meds: Beta Blocker: Cartrol (historic)
79	HXINFECTOPT_1	Num	8	YESNO.		Emerging Infectious Disease History - MERS
80	HXINFECTOPT_2	Num	8	YESNO.		Emerging Infectious Disease History - SARS-COV-1
81	HXINFECTOPT_3	Num	8	YESNO.		Emerging Infectious Disease History - SARS-COV-2 (COVID-19)
82	HXINFECTOPT_4	Num	8	YESNO.		Emerging Infectious Disease History - Other infectious respiratory pathogen
566	HXINFECTOPT_Missing	Num	8	YESNO.		Emerging Infectious Disease History Missing [D]
91	HXVAP	Num	8	HXVAP.		History of vaping or e-cigarette use in the past 12 months
651	HYDRAdisc	Num	8	DISCMED.		Discharge Meds: Hydralazine Nitrate prescribed/contraindicated [D]
545	IMPORT_METHOD	Char	25	\$25.	\$25.	IMPORT_METHOD
635	INSURANCEi	Num	8	INSURANCE.		Insurance based on Payment Source [D]
569	ISCHEMIC_ETIOLOGY_Missing	Num	8	YESNO.		HF History: Ischemic Etiology is Missing? [D]
639	Ischemic	Num	8	YESNO.		Ischemic Etiology: Med Hx of CAD, MI, prior PCI, prior CABG, or prior PCI/CABG [D]
322	JC_ACEDISC	Num	8	YESNO.		Discharge Meds: ACEI Prescribed?



Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
324	JC_ACEDISCONTRA	Num	8	YESNO.		Discharge Meds: ACEI Contraindicated?
323	JC_ACESPE	Num	8	ACESPE.		Discharge Meds: ACE Medication
499	JC_ACTLEVEL	Num	8	YESNO.		Risk Interventions: Activity Level
10	JC_ADMITDATE	Num	8	DATETIME20.	DATETIME20.	Arrival/Admission: Admission Date
11	JC_ADMITDATE_PRECISION	Num	8	PRECISION.		Arrival/Admission: Precision of Admission Date
13	JC_ADMITSOURCE	Num	8	ADMITSOURCE.		Arrival/Admission: Point of Origin for Admission or Visit
330	JC_ARBDISC	Num	8	YESNO.		Discharge Meds: ARB Prescribed?
332	JC_ARBDISCONTRA	Num	8	YESNO.		Discharge Meds: ARB Contraindicated?
8	JC_ARRDATETIME	Num	8	DATETIME20.	DATETIME20.	Arrival/Admission: Hospital Arrival Date and Time
9	JC_ARRDATETIME_PRECISION	Num	8	PRECISION.		Arrival/Admission: Precision of Hospital Arrival Date and Time
356	JC_ASADISC	Num	8	YESNO.		Discharge Meds: ASA Prescribed?
357	JC_ASADISCONTRA	Num	8	YESNO.		Discharge Meds: ASA Contraindicated?
22	JC_ASIAN_1	Num	8	YESNO.		Asian: Indian
23	JC_ASIAN_2	Num	8	YESNO.		Asian: Chinese
24	JC_ASIAN_3	Num	8	YESNO.		Asian: Filipino
25	JC_ASIAN_4	Num	8	YESNO.		Asian: Japanese
26	JC_ASIAN_5	Num	8	YESNO.		Asian: Korean
27	JC_ASIAN_6	Num	8	YESNO.		Asian: Vietnamese
28	JC_ASIAN_7	Num	8	YESNO.		Asian: Other
372	JC_BETADISC	Num	8	YESNO.		Discharge Meds: Beta-blocker Prescribed?
375	JC_BETADISCONTRA	Num	8	YESNO.		Discharge Meds: Beta-blockers Contraindicated?
291	JC_COMFORTONLY	Num	8	YESNO.		Discharge: Is there physician/APN/PA documentation of comfort measures only during the hospital stay?
292	JC_COMFORTONLY2	Num	8	COMFORTONLY.		Discharge: Comfort measures only: Earliest
512	JC_DIET	Num	8	YESNO.		Risk Interventions: Diet (Salt restricted)
285	JC_DISCDATETIME	Num	8	DATETIME20.	DATETIME20.	Discharge: Date and Time
286	JC_DISCDATETIME_PRECISION	Num	8	PRECISION.		Discharge: Date and Time Precision
500	JC_FOLLOWUP	Num	8	YESNO.		Risk Interventions: Follow-up
29	JC_HAWPAC_1	Num	8	YESNO.		Native Hawaiian or Pacific Islander: Native Hawaiian
30	JC_HAWPAC_2	Num	8	YESNO.		Native Hawaiian or Pacific Islander: Guamanian or Chamorro
31	JC_HAWPAC_3	Num	8	YESNO.		Native Hawaiian or Pacific Islander: Samoan
32	JC_HAWPAC_4	Num	8	YESNO.		Native Hawaiian or Pacific Islander: Other Pacific Islander
38	JC_HOMELESS	Num	8	YESNO.		Demographics: Homeless
93	JC_HXSMOKING	Num	8	YESNO.		History of cigarette smoking? (in the past 12 months)
252	JC_LVF	Num	8	YESNO.		In-Hospital: LVF Assessment
251	JC_LVSD	Num	8	YESNO.		In-Hospital: Documented LVSD
513	JC_MEDICATIONS	Num	8	YESNO.		Risk Interventions: Medications

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
542	JC_OTHERICD10DIAG	Char	255	\$255.	\$255.	ICD-10-CM Other Diagnosis Codes:
541	JC_PRINCICD10DIAGNOSIS	Char	25	\$25.	\$25.	ICD-10-CM Principal Diagnosis
544	JC_PRINCICD10PROCEDURDT	Num	8	DATETIME20.	DATETIME20.	ICD-10-PCS Principal Procedure Date
543	JC_PRINCICD10PROCEDURE	Char	25	\$25.	\$25.	ICD-10-PCS Principal Procedure Code
538	JC_PRINCIPALDIAGNOSIS	Char	25	\$25.	\$25.	Administrative: ICD-9 Principal Diagnosis Code
540	JC_PRINCIPALPROCEDURDT	Num	8	DATETIME20.	DATETIME20.	Administrative: ICD-9 -CM Principal Procedure Date
539	JC_PRINCIPALPROCEDURE	Char	25	\$25.	\$25.	Administrative: ICD-9 -CM Principal Procedure Code
493	JC_SMOKINGCESSATION	Num	8	YESNO.		Risk Interventions: Smoking Cessation Counseling Given
511	JC_SYMPWORSE	Num	8	YESNO.		Risk Interventions: Symptoms Worsening
12	JC_TRANSOTHEd	Num	8	YESNO.		Arrival/Admission: Transferred from Another ED
514	JC_WEIGHTMONITOR	Num	8	YESNO.		Risk Interventions: Weight Monitoring
634	LDL100i	Num	8	YESNO.		Admission Lipids: LDL > 100 [D]
649	LIPIDLOWdisc	Num	8	DISCMED.		Discharge Meds: Lipid Lowering Med(s) prescribed/contraindicated [D]
699	LOGIT	Num	8	8.2		HF Reporting: Logit of Predicted Mortality
698	LOS	Num	8	8.		HF Reporting: Length of Stay
701	LVEF	Num	8	LVEF.		EF Groups - combined quantitative and qualitative EF measurements
703	LVEFgroups	Num	8	LVEFGROUPS.		LVEF Groups [D]
705	MCNTRL	Num	4	SITEOWNER.		Hospital Ownership: Membership Control [AHA 2008]
706	MCNTRLi	Num	8	SITEFINANCE.		Hospital Ownership: Finance Category [D]
615	MDRD_admit	Num	8	8.1		Modification of Diet in Renal Disease (MDRD), Admission [D]
627	MDRD_disc	Num	8	8.1		Modification of Diet in Renal Disease (MDRD), Discharge [D]
407	MEDDMTX1	Num	8	MEDDMTX1F.		Anti-hyperglycemic Medication List 1
409	MEDDMTX2	Num	8	MEDDMTX2F.		Anti-hyperglycemic Medication List 2
411	MEDDMTX3	Num	8	MEDDMTX3F.		Anti-hyperglycemic Medication List 3
413	MEDDMTX4	Num	8	MEDDMTX4F.		Anti-hyperglycemic Medication List 4
563	MEDHIST_Missing	Num	8	YESNO.		Medical History is Missing? [D]
596	MedHxPCT	Num	8	8.2		Site Medical Hx Missingness, % [D]
597	MedHxRate	Num	8	MEDHXRATE.		Site Medical Hx Rate [D]
619	NBNPi_admit	Num	8	8.1		NBNP, Admission pg/mL [D]
583	NOICDCOUNSELING_Missing	Num	8	YESNO.		Documented Medical Reason(s) for Not Counseling is Missing? [D]
570	NONISCHEMIC_ETIOLOGY_Missing	Num	8	YESNO.		HF History: NonIschemic Etiology is Missing? [D]
129	OH_ACE_INHIBITOR	Num	8	YESNO.		Meds Prior to Admission: Ace inhibitor
161	OH_ADMIT_MED_OTHER	Num	8	YESNO.		Meds Prior to Admission: Other

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
130	OH_ALDOSTERONE_ANT	Num	8	YESNO.		Meds Prior to Admission: Aldosterone antagonist
384	OH_ALDOSTERONE_DISC	Num	8	YESNO.		Discharge Meds: Aldosterone Antagonist Prescribed?
133	OH_ANTIARRHYTHMIC	Num	8	YESNO.		Meds Prior to Admission: Antiarrhythmic
150	OH_ANTICOAG	Num	8	OH_ANTICOAG.		Meds Prior to Admission: Type of Anticoagulation Therapy
134	OH_ANTIPLATELET	Num	8	YESNO.		Meds Prior to Admission: Antiplatelet agent (excluding aspirin)
131	OH_ARB	Num	8	YESNO.		Meds Prior to Admission: Angiotensin receptor blocker
132	OH_ARNI	Num	8	YESNO.		Meds Prior to Admission: Angiotensin Receptor Neprilysin inhibitor (ARNi)
135	OH_ASPIRIN	Num	8	YESNO.		Meds Prior to Admission: Aspirin
374	OH_BETABLOCKER_DISC	Num	8	BETABLOCKER_DISC.		Discharge Meds: Beta Blocker Medication
197	OH_BNP	Num	8	8.1		{HF} Admission Labs: BNP
308	OH_BNP_DISC	Num	8	8.1		{HF} Discharge Labs: BNP
310	OH_BNP_DISC_NA	Num	8	YESNO.		{HF} Discharge Labs: BNP Not Available
199	OH_BNP_NA	Num	8	YESNO.		{HF} Admission Labs: BNP Not Available
198	OH_BNP_UNITS	Num	8	BNP_UNITS.		{HF} Admission Labs: BNP Units
309	OH_BNP_UNITS_DISC	Num	8	BNP_UNITS.		{HF} Discharge Labs: BNP Units
206	OH_BUN	Num	8	8.		{HF} Admission Labs: BUN
208	OH_BUN_NA	Num	8	YESNO.		{HF} Admission Labs: BUN Not Available
207	OH_BUN_UNITS	Num	8	BUN_UNITS.		{HF} Admission Labs: BUN Units
137	OH_CA_CHANNEL_BLOCK	Num	8	YESNO.		Meds Prior to Admission: Ca channel blocker
184	OH_CHOL_HDL	Num	8	8.		Admission Lipids: HDL (0-120), mg/dL
183	OH_CHOL_TOTAL	Num	8	8.		Admission Lipids: Total Cholesterol (10-1000), mg/dL
367	OH_CLOPIDOGREL_DISC	Num	8	YESNO.		Discharge Meds: Clopidogrel Prescribed?
147	OH_DIGOXIN	Num	8	YESNO.		Meds Prior to Admission: Digoxin
297	OH_DISCBPDIAS	Num	8	8.		Discharge Vital Signs: Diastolic Blood Pressure (20-200), mmHg
296	OH_DISCBPSYST	Num	8	8.		Discharge Vital Signs: Systolic Blood Pressure (50-250), mmHg
298	OH_DISCBP_ND	Num	8	YESNO.		Discharge Vital Signs: BP ND
294	OH_DISCHR	Num	8	8.		Discharge Vital Signs: Heart rate (30-200), bpm
295	OH_DISCHRND	Num	8	YESNO.		Discharge Heart Rate ND
151	OH_DIURETIC	Num	8	YESNO.		Meds Prior to Admission: Diuretic
138	OH_DM	Num	8	YESNO.		Meds Prior to Admission: Diabetic Medications (Any)
303	OH_EDEMADISC	Num	8	YESNO.		{HF} Discharge Exam: Lower Extremity Edema
304	OH_EDEMA_DEG_DISC	Num	8	EDEMA_DEG_DISC.		{HF} Discharge Exam: Lower Extremity Edema degree
247	OH_EF	Num	8	8.		In-Hospital: Ejection Fraction Quantitative: Percentage

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
249	OH_EF_NA	Num	8	EF_NA.		In-Hospital: Ejection Fraction Quantitative: Not Available/Reasons
248	OH_EF_OBTAINED	Num	8	EF_OBTAINED.		In-Hospital: Ejection Fraction Quantitative: Obtained
290	OH_EXPIRED_CARDIO	Num	8	EXPIRED_CARDIO.		Discharge: Primary cause of death - cardiovascular
217	OH_FERRITIN	Num	8	8.2		{HF} Admission Labs: Ferritin
218	OH_HBA1C	Num	8	8.1		Admission Labs: HbA1C (0-20), %
219	OH_HBA1C_NA	Num	8	YESNO.		Admission Labs: HbA1C Not Available
171	OH_HEARTRATE	Num	8	8.		Admission Vital Signs: Heart Rate (30-200), bpm
191	OH_HEMOGLOBIN	Num	8	8.1		Admission Labs: Hemoglobin
193	OH_HEMOGLOBIN_NA	Num	8	YESNO.		Admission Labs: HGb Not Available
192	OH_HEMOGLOBIN_U	Num	8	HEMOGLOBIN_U.		Admission Labs: Hemoglobin units
119	OH_HFCHARACTER	Num	8	HFCHARACTER.		{HF} Diagnosis: Characterization of HF at Admission or when First Recognized
106	OH_HFHOSPADM	Num	8	HFHOSPADM.		{HF} History: Number of Hospital admissions in past 6 mo.
523	OH_HFMGMNT	Num	8	YESNO.		{HF} Risk Interventions: Outpatient HF management
172	OH_HR_ND	Num	8	YESNO.		Admission Vital Signs: Heart Rate ND
154	OH_HYDRALAZINE	Num	8	YESNO.		Meds Prior to Admission: Hydralazine
289	OH_IF_EXP_DEATH	Num	8	IF_EXP_DEATH.		Discharge: If expired, primary cause of death
94	OH_ISCHEMIC	Num	8	YESNO.		{HF} History: Ischemic/CAD
95	OH_ISCHEMIC_ETIOLOGY_2	Num	8	YESNO.		{HF} History: Ischemic Etiology - History of MI
96	OH_ISCHEMIC_ETIOLOGY_3	Num	8	YESNO.		{HF} History: Ischemic Etiology - Positive Stress Test
177	OH_JVD	Num	8	YESNO.		{HF} Admission Exam: JVP
300	OH_JVDCMDISC	Num	8	JVDCMDISC.		{HF} Discharge Exam: JVP cm
299	OH_JVDDISC	Num	8	YESNO.		{HF} Discharge Exam: JVP
178	OH_JVD_CM	Num	8	JVD_CM.		{HF} Admission Exam: JVP cm
212	OH_LABS_TANDI	Num	8	TANDI.		{HF} Admission Labs: Troponin: T and I
213	OH_LABS_TROPONIN_N_ABN	Num	8	TROPONIN_N_ABN.		{HF} Admission Labs: Troponin: Normal vs. Abnormal
156	OH_LIPID_LOWERING_AGENT	Num	8	YESNO.		Meds Prior to Admission: Lipid lowering agent (Any)
158	OH_LIPID_LWRNG_AGENT_OTHER	Num	8	YESNO.		Meds Prior to Admission: Other lipid lowering agent
187	OH_LIPID_NA	Num	8	YESNO.		Admission Lipids: Not Available
153	OH_LOOP	Num	8	YESNO.		Meds Prior to Admission: Loop
181	OH_LOWEREXTREMITY_EDEMA	Num	8	YESNO.		{HF} Admission Exam: Lower Extremity Edema
182	OH_LOWEREXTREMITY_EDEMA_DEG	Num	8	EDEMA_DEG.		{HF} Admission Exam: Lower Extremity Edema Degree
200	OH_NBNP	Num	8	8.1		{HF} Admission Labs: NBNP
202	OH_NBNP_NA	Num	8	YESNO.		{HF} Admission Labs: NBNP Not Available
201	OH_NBNP_UNITS	Num	8	NBNP_UNITS.		{HF} Admission Labs: NBNP Units
148	OH_NITRATE	Num	8	YESNO.		Meds Prior to Admission: Nitrate

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
97	OH_NONISCHEMIC	Num	8	YESNO.		{HF} History: Non-Ischemic
98	OH_NONISCHEMIC_ETIOLOGY_1	Num	8	YESNO.		{HF} History: Non-Ischemic - Hypertensive
99	OH_NONISCHEMIC_ETIOLOGY_3	Num	8	YESNO.		{HF} History: Non-Ischemic - Alcohol/other drug
100	OH_NONISCHEMIC_ETIOLOGY_4	Num	8	YESNO.		{HF} History: Non-Ischemic - Chemotherapy
101	OH_NONISCHEMIC_ETIOLOGY_5	Num	8	YESNO.		{HF} History: Non-Ischemic - Viral
102	OH_NONISCHEMIC_ETIOLOGY_6	Num	8	YESNO.		{HF} History: Non-Ischemic - Postpartum
103	OH_NONISCHEMIC_ETIOLOGY_7	Num	8	YESNO.		{HF} History: Non-Ischemic - Familial
104	OH_NONISCHEMIC_ETIOLOGY_8	Num	8	YESNO.		{HF} History: Non-Ischemic - Other Etiology
105	OH_NONISCHEMIC_ETIOLOGY_9	Num	8	YESNO.		{HF} History: Non-Ischemic - Unknown Etiology
319	OH_POTASSIUM_DISC	Num	8	8.1		{HF} Discharge Labs: K (Potassium)
321	OH_POTASSIUM_DISC_NA	Num	8	YESNO.		{HF} Discharge Labs: K Not Available
320	OH_POTASSIUM_U_DISC	Num	8	POTASSIUM_U.		{HF} Discharge Labs: Potassium Units
107	OH_PRIORHF	Num	8	YESNO.		{HF} History: Known history of HF prior to this admission
521	OH_PTINR_FOLLOWUP	Num	8	YESNO.		{HF} Risk Interventions: PT/INR planned followup
179	OH_RALES	Num	8	YESNO.		{HF} Admission Exam: Rales
301	OH_RALESDISC	Num	8	YESNO.		{HF} Discharge Exam: Rales
302	OH_RALESLOCDIS	Num	8	RALESLOCDIS.		{HF} Discharge Exam: Rales location
180	OH_RALES_LOCATION	Num	8	RALES_LOCATION.		{HF} Admission Exam: Rales Location
176	OH_RESPRATE	Num	8	8.		Admission Vital Signs: Respiratory Rate (0-50), bpm
203	OH_SCR	Num	8	8.1		Admission Labs: Serum Creatinine
311	OH_SCR_DISC	Num	8	8.1		{HF} Discharge Labs: Serum Creatinine
313	OH_SCR_DISC_NA	Num	8	YESNO.		{HF} Discharge Labs: Serum Creatinine Not Available
205	OH_SCR_NA	Num	8	YESNO.		Admission Labs: Serum Creatinine Not Available
204	OH_SCR_U	Num	8	SCR_U.		Admission Labs: Serum Creatinine Units
312	OH_SCR_U_DISC	Num	8	SCR_U.		{HF} Discharge Labs: Serum Creatinine Units
522	OH_SLEEPSTUDY	Num	8	OH_SLEEPSTUDY.		Risk Interventions: Referral to Sleep Study
188	OH_SODIUM	Num	8	8.3		{HF} Admission Labs: Na (Sodium)
305	OH_SODIUM_DISC	Num	8	8.		{HF} Discharge Labs: Na (Sodium)
307	OH_SODIUM_DISC_NA	Num	8	YESNO.		{HF} Discharge Labs: Na (Sodium) Not Available
190	OH_SODIUM_NA	Num	8	YESNO.		{HF} Admission Labs: Sodium Not Available
189	OH_SODIUM_U	Num	8	SODIUM_U.		{HF} Admission Labs: Sodium units
306	OH_SODIUM_U_DISC	Num	8	SODIUM_U.		{HF} Discharge Labs: Sodium Units
157	OH_STATIN	Num	8	YESNO.		Meds Prior to Admission: Statin
293	OH_SYMPTOMS	Num	8	SYMPTOMS.		{HF} Discharge: Symptoms

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
152	OH_THIAZIDE	Num	8	YESNO.		Meds Prior to Admission: Thiazide/Thiazide-like
108	OH_TRANSPLANT	Num	8	YESNO.		{HF} History: Patient listed for transplant
186	OH_TRIGLYCERIDES	Num	8	8.		Admission Lipids: Triglycerides (5-2000), mg/dL
209	OH_TROPONIN	Num	8	8.2		{HF} Admission Labs: Troponin
211	OH_TROPONIN_NA	Num	8	YESNO.		{HF} Admission Labs: Troponin Not Available
210	OH_TROPONIN_U	Num	8	TROPONIN_U.		{HF} Admission Labs: Troponin units
149	OH_WARFARIN	Num	8	YESNO.		Meds Prior to Admission: Anticoagulation therapy
358	OH_WARFARIN_DISC	Num	8	YESNO.		Discharge Meds: Anticoagulation therapy at discharge
360	OH_WARFARIN_DISC_MEDICATION	Num	8	WARFARIN_DISC_MEDICATION.		Discharge Meds: Warfarin at discharge - Medication
519	OH_WARFARIN_INSTR	Num	8	YESNO.		Risk Interventions: Anticoagulation Therapy Education
650	OMEGAdisc	Num	8	DISCMED.		Discharge Meds: OMEGA-3 fatty acid supplement prescribed/contraindicated [D]
589	ORALMEDS_Missing	Num	8	YESNO.		Oral Medications during Hospitalization are Missing? [D]
581	OTHCONTRAISOSORBIDE_Missing	Num	8	YESNO.		Discharge Meds - Contraindications or Other Documented Reason(s) for Not Providing Hydralazine Nitrate are Missing? [D]
572	OTHERCONDITION_Missing	Num	8	YESNO.		HF Other Exacerbating Conditions are Missing? [D]
580	OTHER_ALDOSTERONE_Missing	Num	8	YESNO.		Discharge Meds - Other Aldosterone Contraindications are Missing? [D]
585	OTHER_CONTRA_ICD_Missing	Num	8	YESNO.		Discharge Meds - ICD Therapy Other Contraindications are Missing? [D]
587	OTHER_CRT_Missing	Num	8	YESNO.		Discharge Meds - CRT Therapy Other Contraindications are Missing? [D]
631	OTHFACILITYi	Num	8	OTHFACILITY.		Discharge Disposition: Other Health Care Facility according to AHA definition [D]
7	PATIENT_ID	Char	25	\$25.	\$25.	Patient ID (OSI Created)
6	PATIENT_OS_ID	Char	25	\$25.	\$50.	Patient ID (Site Created)
562	PMTSRCE_Missing	Num	8	YESNO.		Payment Source is Missing? [D]
612	POTASSIUMi_admit	Num	8	8.1		Potassium mEq/L, Admission [D]
622	POTASSIUMi_disc	Num	8	8.1		Potassium mEq/L, Discharge [D]
700	PREDMORT	Num	8	8.2		HF Reporting: Predicted Mortality Rate, %
405	PRESDMTX	Num	8	PRESDMTX.		Anti-hyperglycemic Medications Prescribed at Discharge?
573	PRIORMEDS_missing	Num	8	YESNO.		Meds Prior to Admission are Missing? [D]
576	PROCEDURES_Missing	Num	8	YESNO.		Procedures are Missing? [D]
550	PTCAPR	Num	8	YESNO.		SiteTrait: Primary PTCA Performed for AMI?
595	ParticQTR	Char	6			Site Calendar Participation Year/Quarter [D]
655	QTR	Num	8			Rolling Quarter [D]
707	RACEi	Num	8	RACEI.		Demographics: Ethnicity/Race [D]

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
1	RCRDNUM	Char	14	\$14.	\$25.	Data Collection: Unique Record Identifier
555	REGION	Num	8	REGION.		SiteTrait: Region
549	RESIDENTS	Num	8	YESNO.		SiteTrait: Has Residents?
613	SCRi_admit	Num	8	8.1		Serum Creatinine, Admission mg/dL [D]
625	SCRi_disc	Num	8	8.1		Serum Creatinine, Discharge mg/dL [D]
551	SITESURG	Num	8	YESNO.		SiteTrait: Cardiac Surgery Performed On-Site?
5	SITE_ID	Char	25	\$25.	\$25.	Site ID (OSI Created)
4	SITE_OS_ID	Char	25	\$25.	\$25.	Site ID (Site Created)
547	SITE_POSTAL_CODE	Char	5	\$5.	\$10.	SiteTrait: Postal Code
546	SITE_STATE	Char	2	\$2.	\$4.	SiteTrait: State
565	SLEEPEQUIP_Missing	Num	8	YESNO.		Sleep-Disordered Breathing Equipment Used at Home is Missing? [D]
564	SLEEPTYPE_Missing	Num	8	YESNO.		Sleep-Disordered Breathing Types are Missing? [D]
69	SLEEP_EQUIP_1	Num	8	YESNO.		Medical History: Sleep-Disordered Breathing Equipment Used at Home: O2
70	SLEEP_EQUIP_2	Num	8	YESNO.		Medical History: Sleep-Disordered Breathing Equipment Used at Home: CPAP
71	SLEEP_EQUIP_3	Num	8	YESNO.		Medical History: Sleep-Disordered Breathing Equipment Used at Home: Adaptive Servo-Ventilation
72	SLEEP_EQUIP_4	Num	8	YESNO.		Medical History: Sleep-Disordered Breathing Equipment Used at Home: None
73	SLEEP_EQUIP_5	Num	8	YESNO.		Medical History: Sleep-Disordered Breathing Equipment Used at Home: Unknown/Not Documented
65	SLEEP_TYPE_1	Num	8	YESNO.		Medical History: Sleep-Disordered Breathing Type: Obstructive
66	SLEEP_TYPE_2	Num	8	YESNO.		Medical History: Sleep-Disordered Breathing Type: Central
67	SLEEP_TYPE_3	Num	8	YESNO.		Medical History: Sleep-Disordered Breathing Type: Mixed
68	SLEEP_TYPE_4	Num	8	YESNO.		Medical History: Sleep-Disordered Breathing Type: Unknown/Not Documented
594	SMOKCESMEDS_Missing	Num	8	YESNO.		Risk Interventions: Smoking Cessation Therapies Prescribed is Missing? [D]
611	SODIUMi_admit	Num	8	8.3		Sodium mEq/L, Admission [D]
621	SODIUMi_disc	Num	8	8.3		Sodium mEq/L, Discharge [D]
37	SP_ETHNIC	Num	8	YESNO.		Demographics: Hispanic Ethnicity
15	SP_RACE	Num	8	RACE.		Demographics: Race
620	TROPNi_admit	Num	8	8.2		Troponin, Admission ng/dL [D]
637	TransferIn	Num	8	YESNO.		Transfer in (from a Hospital or another ED) [D]
638	TransferOut	Num	8	YESNO.		Transfer to Acute Care Facility [D]
3	UPDATED_DT	Num	8	DATETIME20.	DATETIME20.	Data Collection: Record Date Updated
608	WEIGHTADMi	Num	8			Vital Signs: Admission Weight (30-227), kg [D]

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
606	WEIGHTDISCi	Num	8			Vital Signs: Discharge Weight (30-227), kg [D]
709	ZIP	Char	12	\$12.	\$12.	Patient ZIP code [D]
531	ac_care	Num	8	AC_CARE.		Care Transition Record Transmitted
532	ac_ctrall	Num	8	YESNO.		All were included
533	ac_dcmed	Num	8	YESNO.		Discharge Medications
534	ac_futreat	Num	8	YESNO.		Follow-up Treatment(s) and Service(s) Needed
535	ac_pxhosp	Num	8	YESNO.		Procedures Performed During Hospitalization
536	ac_reas	Num	8	YESNO.		Reason for Hospitalization
537	ac_treat	Num	8	YESNO.		Treatment(s)/Service(s) Provided
14	aha_admitsource	Num	8	ADMITSOURCE.		Arrival/Admission: Point of Origin for Admission or Visit
339	aha_arni	Num	8	AHA_ARNI.		Discharge Meds: ARNi Medication
355	aha_arniaceiarb	Num	8	YESNO.		Not previously tolerating ACEI or ARB
353	aha_arniclass1	Num	8	YESNO.		NYHA Class I
354	aha_arniclass4	Num	8	YESNO.		NYHA Class IV
343	aha_arnidiscontraspec_1	Num	8	YESNO.		Contraindications or Other Documented Reasons(s) for Not Providing ARNi at Discharge: ACE inhibitor use within the prior 36 hours
344	aha_arnidiscontraspec_2	Num	8	YESNO.		Contraindications or Other Documented Reasons(s) for Not Providing ARNi at Discharge: Allergy
345	aha_arnidiscontraspec_3	Num	8	YESNO.		Contraindications or Other Documented Reasons(s) for Not Providing ARNi at Discharge: Hyperkalemia
346	aha_arnidiscontraspec_4	Num	8	YESNO.		Contraindications or Other Documented Reasons(s) for Not Providing ARNi at Discharge: Hypotension
347	aha_arnidiscontraspec_5	Num	8	YESNO.		Contraindications or Other Documented Reasons(s) for Not Providing ARNi at Discharge: Other medical reasons
348	aha_arnidiscontraspec_6	Num	8	YESNO.		Contraindications or Other Documented Reasons(s) for Not Providing ARNi at Discharge: Patient Reason
349	aha_arnidiscontraspec_7	Num	8	YESNO.		Contraindications or Other Documented Reasons(s) for Not Providing ARNi at Discharge: Renal dysfunction defined as creatinine > 2.5 mg/dL in men or > 2.0 mg/dL in women
350	aha_arnidiscontraspec_8	Num	8	YESNO.		Contraindications or Other Documented Reasons(s) for Not Providing ARNi at Discharge: System Reason
340	aha_arnidose	Num	8	AHA_ARNIDOSE.		Discharge Meds: ARNi Dosage
341	aha_arnifreq	Num	8	AHA_ARNIFREQ.		Discharge Meds: ARNi Frequency
352	aha_arnionset	Num	8	YESNO.		New onset heart failure
501	aha_followsched	Num	8	YESNO.		Risk Interventions: Follow-up Visit Scheduled
351	aha_reasonsarni	Num	8	AHA_REASONSARNI.		Reasons for not switching to ARNi at discharge
432	hf_contraiva	Num	8	YESNO.		Ivabradine - Contraindicated?



Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
431	hf_ivabradine	Num	8	YESNO.		Ivabradine - Prescribed?
338	jc_arnidisc	Num	8	YESNO.		Discharge Meds: ARNi Prescribed
342	jc_arnidiscontra	Num	8	YESNO.		Discharge Meds: ARNi Contraindication
33	jc_hisp_1	Num	8	YESNO.		If Hispanic Ethnicity yes: Mexican, Mexican American, Chicano/a
34	jc_hisp_2	Num	8	YESNO.		If Hispanic Ethnicity yes: Puerto Rican
35	jc_hisp_3	Num	8	YESNO.		If Hispanic Ethnicity yes: Cuban
36	jc_hisp_4	Num	8	YESNO.		If Hispanic Ethnicity yes: Another Hispanic, Latino or Spanish Origin
654	qtrBegin	Num	8	DATETIME20.	DATETIME20.	Quater Begining (Admission Date)
708	race2i	Num	8	RACE2I.		Ethnicity/Race, reduced options [D]