

ARIC

HEART FAILURE HOSPITAL RECORD ABSTRACTION FORM

ID NUMBER:

FORM NAME: DATE: 10/01/2015

VERSION:

CONTACT YEAR NUMBER:

FORM SEQUENCE NUMBER:

General Instructions:

The Heart Failure Hospital Record Abstraction Form is completed for heart failure-eligible Community Surveillance hospitalizations. See Surveillance Procedure Manual for sampling rules. It should also be completed for all heart failure-eligible cohort hospitalizations. Refer to this form's question by question instructions for detailed information on each data item.

0.a. Hospital code number:

0.b. Medical Record Number:

0.c. Date of discharge (for nonfatal case) or death:
--
Month Day Year

0.d. What was the disposition of the patient on discharge?

Deceased..... D →
Alive A

DISCHARGED ALIVE

	Yes	No/Not reported
0.d.1. Discharged to home/routine discharge	<input type="checkbox"/>	<input type="checkbox"/>
0.d.2. Discharged to home health care	<input type="checkbox"/>	<input type="checkbox"/>
0.d.3. Discharged/transferred to short-term care facility (e.g. inpatient rehabilitation center)	<input type="checkbox"/>	<input type="checkbox"/>
0.d.4. Discharged to outpatient rehabilitation services/ home physical therapy	<input type="checkbox"/>	<input type="checkbox"/>
0.d.5. Discharged/transferred to long-term care facility (e.g., skilled nursing facility, nursing home)	<input type="checkbox"/>	<input type="checkbox"/>
0.d.6. Discharged to hospice care (inpatient or outpatient)	<input type="checkbox"/>	<input type="checkbox"/>
0.d.7. Left against medical advice	<input type="checkbox"/>	<input type="checkbox"/>
0.d.8. Transferred to another hospital	<input type="checkbox"/>	<input type="checkbox"/>
0.d.9. Disposition not stated	<input type="checkbox"/>	<input type="checkbox"/>

DECEASED

0.e. Was an autopsy performed?.....Yes.....Y
No..... N

0.f. Was the patient either dead on arrival or did he/she die in the
emergency room?
Yes..... Y
No..... N

ADVANCED DIRECTIVES

	Yes	No/Unknown
0.g. Was this patient on comfort care or hospice care at any time during this hospitalization?	<input type="checkbox"/>	<input type="checkbox"/>
0.h. Was this patient a DNR (Do Not Resuscitate) at any time during this hospitalization?	<input type="checkbox"/>	<input type="checkbox"/>

SECTION I: SCREENING FOR DECOMPENSATION OR NEW ONSET

- | | <u>Yes</u> | <u>No/Not Recorded</u> |
|---|--------------------------|--------------------------|
| 1. Was there evidence of the following conditions? | | |
| a. Increasing or new onset shortness of breath | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Increasing or new onset edema | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Increasing or new onset paroxysmal nocturnal dyspnea | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Increasing or new onset orthopnea | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Increasing or new onset hypoxia | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Was there evidence in the doctor's notes that the reason for this hospitalization was heart failure? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Is this a cohort participant? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3.a. Does this cohort hospitalization have the following 428 or I50.x code? | <input type="checkbox"/> | <input type="checkbox"/> |

• *If any response to items 1-2 is "Yes", go to Item 3.*
 • *If Item 3 is "Yes" and Item 3a is No, but cohort member does not meet any of the screening criteria (HF1a-e and HF2=No) go to Item 44. If all response to items 1-3 is "No /Not Recorded" go to Item 77.*

- | | <u>Yes</u> | <u>No/Not Recorded</u> |
|---|--------------------------|--------------------------|
| 4. Did the patient have new onset or progressive symptoms/signs of heart failure: | | |
| a. At the time of admission to the hospital? | <input type="checkbox"/> | <input type="checkbox"/> |
| b. During this hospitalization? | <input type="checkbox"/> | <input type="checkbox"/> |

If the response to both item 4a and 4b, is 'No/Not Recorded', skip items 5

5. Date of new onset or progression of symptoms/signs known (mm-dd-yyyy):
- a. If exact date unknown, estimate weeks prior to this hospitalization:

6. Did the physician's note or discharge summary indicate any of the following specific types of heart failure? (check all that apply) ←

- | | <u>Yes</u> | <u>No/ Not Recorded</u> |
|--|--------------------------|--------------------------|
| a. Ischemic cardiomyopathy | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Idiopathic/dilated cardiomyopathy | <input type="checkbox"/> | <input type="checkbox"/> |
| j. Other specific cardiomyopathy/heart failure | <input type="checkbox"/> | <input type="checkbox"/> |

Go to item 7

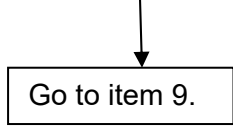
j.1. If other cardiomyopathy, specify _____

SECTION II: HISTORY OF HEART FAILURE

7. Prior to this hospitalization was there a history of any of the following:

	<u>Yes</u>	<u>No/Not Recorded</u>	<u>Unsure</u>
a. Diagnosis of heart failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Prior hospitalization for heart failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Treatment for heart failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. Was cardiac imaging performed prior to this hospitalization? Yes No/Unk



8.a. Lowest Ejection Fraction recorded: % ——— If recorded, go to item 8b.

- 8.a.1. Qualitative description:
- Normal..... N
 - Decreased mildly..... D
 - Decreased moderately.....M
 - Decreased severely..... S
 - None of the above.....O

8. b. Year of lowest ejection fraction (yyyy) :

- 8.c. Type of imaging:
- 1. MUGA
 - 2. ECHO
 - 3. Cath/LV gram
 - 4. CT
 - 5. MRI
 - 6. Other
 - 7. Unknown

SECTION III: MEDICAL HISTORY

9. General

History of?
Yes No/NR

- | | | |
|------------------------------|--------------------------|--------------------------|
| b. Excess alcohol use | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Illicit drug use | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Anemia | <input type="checkbox"/> | <input type="checkbox"/> |
| f. Connective tissue disease | <input type="checkbox"/> | <input type="checkbox"/> |
| h. Current smoker | <input type="checkbox"/> | <input type="checkbox"/> |
| i. Thyroid disease | <input type="checkbox"/> | <input type="checkbox"/> |

10. Respiratory

- | | | |
|--|--------------------------|--------------------------|
| a. Asthma ^G | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Chronic bronchitis/COPD ^G | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Other chronic lung disease | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Pulmonary embolus | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Coughing, phlegm, wheezing ^G | <input type="checkbox"/> | <input type="checkbox"/> |
| f. Sleep apnea | <input type="checkbox"/> | <input type="checkbox"/> |

11. Cardiovascular

- | | | |
|--|--------------------------|--------------------------|
| a. Angina ^G | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Arrhythmia | | |
| 1) Atrial fibrillation/atrial flutter | <input type="checkbox"/> | <input type="checkbox"/> |
| 2) Heart block or other bradycardia | <input type="checkbox"/> | <input type="checkbox"/> |
| 3) Ventricular fibrillation or tachycardia | <input type="checkbox"/> | <input type="checkbox"/> |

SECTION III: MEDICAL HISTORY (continued)

11. Cardiovascular (continued)

History of?
Yes No/NR

e. Cardiac procedures

- | | | |
|------------------|--------------------------|--------------------------|
| 1) CABG | <input type="checkbox"/> | <input type="checkbox"/> |
| 2) PCI | <input type="checkbox"/> | <input type="checkbox"/> |
| 3) Valve surgery | <input type="checkbox"/> | <input type="checkbox"/> |
| 4) Pacemaker | <input type="checkbox"/> | <input type="checkbox"/> |
| 5) Defibrillator | <input type="checkbox"/> | <input type="checkbox"/> |

g. Coronary heart disease (within year) ^G

If Yes, go to item 11j.

h. Coronary heart disease (ever) ^G

j. Hypertension

k. Myocardial infarction

l. Pulmonary hypertension

m. Peripheral vascular disease

o. Valvular heart disease

12. Gastrointestinal / Endocrine

a. Diabetes

13. Renal

a. Dialysis

SECTION III: MEDICAL HISTORY (continued)

14. Neurology

History of?
Yes No/NR

- a. Stroke/TIA
- b. Depression

16. Were any of the following medical problems listed as precipitating factors (i.e. precipitated the onset of this event)?

Yes No/NR

- d. Noncompliance with diet
- e. Noncompliance with medication
- g. Pneumonia
- j. Angina/Myocardial infarction
- k. Atrial fibrillation/flutter

SECTION IV: PHYSICAL EXAM – VITAL SIGNS

At hospital admission
(or at onset of event)

At hospital discharge
(or last recorded)

17. Blood pressure: a. / b. mmHg

18. Heart rate: ^{B, F, N} a. bpm

19. Height: a. . a.1. cm/ in (c=cm, i=in)

20. Weight: ^F a. . a.1. lbs/ kg b. .
b.1. lbs\ kg (l=lbs, k=kg)

SECTION V: PHYSICAL EXAM AND SYMPTOMS - FINDINGS

22. Did the patient have any of the following GENERAL signs or symptoms?

Anytime during hospitalization
or at admission

Yes No/NR

- | | | |
|---|--------------------------|--------------------------|
| a. Lower extremity edema ^{G, F, N} | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Jugular venous distension (JVD) ^{B, F, N} | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Hepatojugular reflux ^F | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Hepatomegaly ^{F, N, B} | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Leg fatigue on walking ^B | <input type="checkbox"/> | <input type="checkbox"/> |

23. Did the patient have any of the following RESPIRATORY signs or symptoms?

Anytime during hospitalization
or at admission

Yes No/NR

- | | | |
|--|--------------------------|--------------------------|
| a. Cough ^F | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Dyspnea (Rest) ^B | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Dyspnea (Walking) ^{B, F, N} | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Dyspnea (Climbing or exertion) ^{B, F, N} | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Stops for breath when walking ^N | <input type="checkbox"/> | <input type="checkbox"/> |
| f. Stops for breath after 100 yards ^N | <input type="checkbox"/> | <input type="checkbox"/> |
| g. Rhonchi ^G | <input type="checkbox"/> | <input type="checkbox"/> |
| h. Paroxysmal nocturnal dyspnea ^{B, F, G} | <input type="checkbox"/> | <input type="checkbox"/> |
| i. Orthopnea ^B | <input type="checkbox"/> | <input type="checkbox"/> |
| j. Pulmonary basilar rales ^{B, G, F, N} | <input type="checkbox"/> | <input type="checkbox"/> |
| k. Rales (more than basilar) ^{B, G, F, N} | <input type="checkbox"/> | <input type="checkbox"/> |
| l. Wheezing ^B | <input type="checkbox"/> | <input type="checkbox"/> |

If Yes, enter yes for
23c, 23d, 23e and 23f

SECTION V: PHYSICAL EXAM AND SYMPTOMS - FINDINGS (continued)

24. Did the patient have any of the following CARDIOVASCULAR signs or symptoms?

Anytime during hospitalization

Yes No/NR

- | | | |
|--------------------------------|--------------------------|--------------------------|
| a. S3 (gallop) ^{B, F} | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Chest Pain ^G | <input type="checkbox"/> | <input type="checkbox"/> |

SECTION VI: DIAGNOSTIC TESTS

27. Was a chest X-ray performed during this hospitalization?: Yes No/NR

Go to item 29.

28. Did the patient have any of the following signs on chest X-ray at any time during this hospitalization?

Yes No/Unknown

- | | | |
|--|--------------------------|--------------------------|
| b. Alveolar/pulmonary edema ^{B, F, N} | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Interstitial pulmonary edema ^{B, F, N} | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Cardiomegaly ^{B, F} | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Cephalization/upper zone redistribution ^{B, N} | <input type="checkbox"/> | <input type="checkbox"/> |
| g. Bilateral pleural effusion ^{B, F, N} | <input type="checkbox"/> | <input type="checkbox"/> |
| h. Unilateral pleural effusion ^{F, N} | <input type="checkbox"/> | <input type="checkbox"/> |
| k. Cardiothoracic ratio ≥ 0.5 ^B | <input type="checkbox"/> | <input type="checkbox"/> |
| l. Congestive heart failure/ Pulmonary vascular congestion | <input type="checkbox"/> | <input type="checkbox"/> |

SECTION VI: DIAGNOSTIC TESTS (continued)

29. Was a transthoracic echocardiogram performed? Yes No/NR Go to item 30

*If the response to item 29 is YES, complete items 29a-29c3, and 29d1-29d14.;
If the response is No/NR skip items 29a-29c3, and 29d1-29d14*

First transthoracic echocardiogram performed after onset or progression of heart failure.

a. Date (mm-dd-yyyy): - -

b. Ejection fraction: %

c. Wall thickness: septal: . c.1. units (1=cm, 2=mm)

c.2. posterior: . c.3. units (1=cm, 2=mm)

d. Record the following if present on transthoracic echocardiogram:

	<u>Mild</u>	<u>Moderate</u>	<u>Severe</u>	<u>None</u>	<u>Present</u>	<u>NR</u>
1. Left ventricular hypertrophy (LVH)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Impaired LV systolic function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Impaired RV systolic function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Aortic regurgitation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Aortic stenosis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Tricuspid regurgitation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Mitral regurgitation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Mitral stenosis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Estimated RVSP/PASP: <input type="text"/> <input type="text"/> <input type="text"/> mmHg						
a. TR jet velocity: <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> m/s						
10. Pulmonary hypertension	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<u>Yes</u>	<u>No/Unknown/NR</u>				
11. Regional wall motion abnormality	<input type="checkbox"/>	<input type="checkbox"/>				
12. Dilated left ventricle	<input type="checkbox"/>	<input type="checkbox"/>				
13. Dilated right ventricle	<input type="checkbox"/>	<input type="checkbox"/>				
14. Diastolic dysfunction	<input type="checkbox"/>	<input type="checkbox"/>				

SECTION VI: DIAGNOSTIC TESTS (continued)

30. Was a transesophageal echocardiogram performed? Yes No/NR Go to item 31.

First transesophageal echocardiogram performed after onset or progression of event.

a. Date (mm-dd-yyyy): - -

b. Ejection fraction: %

c. Record the following if present on transesophageal echocardiogram:

	<u>Mild</u>	<u>Moderate</u>	<u>Severe</u>	<u>None</u>	<u>Present</u>	<u>NR</u>
1. Impaired LV systolic function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Impaired RV systolic function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	<u>Yes</u>	<u>No/Unknown/NR</u>
3. Regional wall motion abnormality	<input type="checkbox"/>	<input type="checkbox"/>
4. Dilated left ventricle	<input type="checkbox"/>	<input type="checkbox"/>
5. Dilated right ventricle	<input type="checkbox"/>	<input type="checkbox"/>

SECTION VI: DIAGNOSTIC TESTS (continued)

31. Was a right cardiac catheterization performed? Yes No/NR → Go to item 32.

a. Date (mm-dd-yyyy) : - -

32. Was coronary angiography performed? Yes No/NR → Go to item 33.

a. Date (mm-dd-yyyy) : - -

b. Record the following:

1. Ejection fraction: %

2. Coronary stenosis:

	0 %	1-24 %	25-49 %	50-74 %	75-94 %	95-99 %	100 %	NR
a. Left main:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Left anterior descending artery and branches:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Left circumflex/marginal artery:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Right coronary artery and branches:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Intermediate ramus:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Were coronary bypass grafts present? Yes No/NR → Go to Item 33.

a. Number of occluded grafts:

SECTION VI: DIAGNOSTIC TESTS (continued)

33. Was a cardiac radionuclide ventriculogram performed? Yes No/NR → Go to item 34.

a. Date: --
(mm-dd-yyyy) b. Ejection fraction: LV: % c. RV: %

34. Was a cardiac Magnetic Resonance Imaging (MRI) performed? Yes No/NR → Go to item 35.

a. Date: --
(mm-dd-yyyy) b. Ejection fraction: LV: % c. RV: %

35. Was a cardiac CT scan performed? Yes No/NR → Go to item 36.

a. Date: --
(mm-dd-yyyy) b. Ejection fraction: LV: % c. RV: %

36. Was a stress test performed? Yes No/NR → Go to item 37.

a. Date: --
(mm-dd-yyyy)

c. Ejection fraction: LV: %

SECTION VII: BIOCHEMICAL ANALYSES

	a. <u>Worst*</u>	b. <u>Last</u>	c. <u>Upper Limit Normal</u>
37. Hemoglobin (g/dL)	<input type="text"/> <input type="text"/> . <input type="text"/>	<input type="text"/> <input type="text"/> . <input type="text"/>	
38. Hematocrit (%)	<input type="text"/> <input type="text"/> . <input type="text"/>	<input type="text"/> <input type="text"/> . <input type="text"/>	
39. BNP (pg/mL)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
40. ProBNP (pg/mL)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
41. Troponin T (ng/mL)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>
42. Troponin I (ng/mL)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/>
43. Sodium (mEq/L)	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	

* Worst = highest value with exception of hemoglobin, hematocrit, and sodium. For these items worst is the lowest value (L)

44. Record the value of the first, last, and highest measurements of serum creatinine (mg/dL):

a1: First:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	a2. date:	<input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	(mm/dd/yyyy)
b1. Last (if more than one):	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	b2. date:	<input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	(mm/dd/yyyy)
c1 Highest of remaining values (if more than two):	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	c2. date:	<input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	(mm/dd/yyyy)

Note: "When Item 44 is completed for cohort member who did not meet any of the screening criteria (HFA1a-e=N, HFA2=N, AND HFA3A=N), go to item 77"

45. BUN (mg/dL) a. Worst: b. Last:

* Worst = highest value with exception of hemoglobin, hematocrit, and sodium. For these items worst is the lowest value (L)

SECTION IX: MEDICATIONS

	<u>Prior to hospitalization or progression in hospital</u>		<u>At hospital discharge</u>	
	<u>Yes</u>	<u>No/NR</u>	<u>Yes</u>	<u>No/NR</u>
59. ACE inhibitors	<input type="checkbox"/>	<input type="checkbox"/>	a. <input type="checkbox"/>	<input type="checkbox"/>
60. Angiotensin II receptor blockers	<input type="checkbox"/>	<input type="checkbox"/>	a. <input type="checkbox"/>	<input type="checkbox"/>
65. Beta blockers	<input type="checkbox"/>	<input type="checkbox"/>	a. <input type="checkbox"/>	<input type="checkbox"/>
67. Digitalis ^G	<input type="checkbox"/>	<input type="checkbox"/>	a. <input type="checkbox"/>	<input type="checkbox"/>
68. Diuretics ^G	<input type="checkbox"/>	<input type="checkbox"/>	a. <input type="checkbox"/>	<input type="checkbox"/>
69. Aldosterone Blocker	<input type="checkbox"/>	<input type="checkbox"/>	a. <input type="checkbox"/>	<input type="checkbox"/>
70. Lipid lowering agents				
a. Statins	<input type="checkbox"/>	<input type="checkbox"/>	a.1. <input type="checkbox"/>	<input type="checkbox"/>
b. Other	<input type="checkbox"/>	<input type="checkbox"/>	b.1. <input type="checkbox"/>	<input type="checkbox"/>
71. Nitrates	<input type="checkbox"/>	<input type="checkbox"/>	a. <input type="checkbox"/>	<input type="checkbox"/>
72. Hydralazine	<input type="checkbox"/>	<input type="checkbox"/>	a. <input type="checkbox"/>	<input type="checkbox"/>
73. IV drugs during this hospitalization?				
a. IV inotropes:	<input type="checkbox"/> Yes	<input type="checkbox"/> No/NR		
b. IV diuretics:	<input type="checkbox"/> Yes	<input type="checkbox"/> No/NR		

SECTION XI: ADMINISTRATIVE

77. Time taken to abstract (mins):

78. Abstractor number:

79. Date abstract completed (mm-dd-yyyy): - -