

**HRA COMPOSITE FORM-Versions A-I
NOT FOR ABSTRACTION**

ARIC

HOSPITAL ABSTRACTION FORM

ID NUMBER:

FORM CODE:

VERSIONS: A-I

DATE: 06/07/2023

LAST NAME:

INITIALS:

INSTRUCTIONS: The Hospital Record Abstraction Form is completed for each eligible hospitalized event as determined by the Surveillance Event Eligibility Form, and for all eligible Cohort hospitalizations as determined by the Cohort Eligibility Form. Event ID, Name (or Soundex code) must be entered above. Refer to this form's Q by Q instructions for information on entering numerical responses. For multiple choice and "yes/no" questions, record the letter corresponding to the most appropriate response.

0.a. Hospital code number:

0.b. Medical Record Number:

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

A. MEDICAL ABSTRACTION

1.a. Hospital code number: *(Renumbered as HRAF0a)*

[If code 96-99, name and location]:

b. Medical Record Number: *(Renumbered as HRAF0b)*

c. Primary admission diagnosis *(Removed from HRAF to CHI1A)*

.

[Specify if diagnosis is not ICD coded]

2. Record the ICD9-CM diagnoses and procedure codes from the hospital discharge index (or Eligibility Form): *(Removed from HRAF to CHI2)*

a. .

b. .

c. .

d. .

e. .

f. .

g. .

h. .

i. .

j. .

k. .

l. .

m. .

n. .

o. .

p. .

q. .

r. .

s. .

t. .

u. .

v. .

w. .

x. .

y. .

z. .

3a. Abstracting for: **(Removed from HRAF to CFDC5A)**

ARIC Cohort..... C (go to question 3b)
 Community..... S (go to question 4)
 JHS Cohort-not ARIC Cohort..... J (go to question 4)

(Removed from HRAF to CFDC5B)

3b. Is the patient's address in the ARIC community surveillance catchment area?
 Yes..... Y
 No..... N
 Not determined.....U

4. Has the hospital chart for **(Removed from HRAF to CFD0D)** this event been located? Yes Y
 No N

Go to Item 97, Screen 35.

5. a. Last name: **(Removed from HRAF to CFD1A)**

b. Initials: _____

6. ENTER ON CFDB FORM **(Removed from HRAF to CFD2)**
 Social Security/Medicare Number:
 [][][][]-[][][][]-[][][][][]

7. ENTER ON CFDB FORM
 Do you know the Patient's address?
 Yes.....Y
 NoN

Address: **(Removed from HRAF to CFD4B)**

 City County State

(Removed from HRAF to CFD4F4)

7.b. Zip Code: [][][][][]

(Removed from HRAF to CHI3)

8. Sex: Male M
 Female F

9. Race or ethnic group: **(Removed from HRAF to CHI4)**

White/CaucasianW
 Black/African AmericanB
 Asian/Pacific IslanderA
 American Indian/ Native AlaskanI
 OtherO
 Unknown/not recorded U

a. Does this person **(Removed from HRAF to CHI5A)** have health insurance? Yes Y
 No N
 Unknown U

Go to Item 11, Screen 4.

(Removed from HRAF to CHI5B)

9.b. Indicate type of insurance recorded:

	<u>Yes</u>	<u>No</u>	<u>Unknown</u>
1. Prepaid insurance or health plan, such as BC/BS or HMO	Y	N	U
2. Medicare	Y	N	U
3. Medicaid	Y	N	U
4. Other	Y	N	U

10. ENTER ON CFDB FORM

Birthdate: (Removed from HRAF to CFD3)

		-			-				
Month			Day			Year			

=
11.a. Date of arrival at this hospital:

(Removed from HRAF to CHI6A)

		-			-				
Month			Day			Year			

(Removed from HRAF to CHI6B)

b. Arrival time at this hospital (24 hr clock):

		:		
H H			M M	

(Removed from HRAF to CHI7)

12. Did an emergency medical service unit transport the patient to this hospital? Yes Y
No N
Unknown U

(Removed from HRAF to CHI8)

13.a. Was the patient transferred from or to another acute care hospital? Yes Y

Go to Item 14, Screen 5.	No	N
--------------------------	----	---

FIRST TRANSFER: (Removed from HRAF to CHI)

13.b. Was this an in-catchment hospital? ... Yes Y
Removed from HRAF to CHI8B
No N

b.1. Hospital Code: _____ (Removed from HRAF to CHI8B1)

If 96 - 99, specify:

Hospital Name _____
City _____
State _____

c. Date of admission to that hospital: (Removed from HRAF to CHI8C)

		-			-				
Month			Day			Year			

c.1. Was the patient transferred (Removed from HRAF to CHI8C1) a second time?..... Yes Y

Go to Item 14.	No	N
----------------	----	---

SECOND TRANSFER: (Removed from HRAF to CHI)

(Removed from HRAF to CHI8D)

13.d. Was this an in-catchment hospital? ... Yes Y
No N

d.1. Hospital Code: _____ (Removed from HRAF to CHI8D1)

If 96 - 99, specify:

Hospital name _____
City _____
State _____

(Removed from HRAF to CHI8D)

e. Date of admission to that hospital:

		-			-				
Month			Day			Year			

(Renumbered as HRAFOC)

14. Date of discharge (for nonfatal case) or death:

		-			-				
Month			Day			Year			

(Removed from HRAF to CHI9)

15. List the hospital discharge diagnosis and procedure codes exactly as they appear on the front sheet of the medical record and/or on the discharge summary:

a. .

b. .

c. .

d. .

e. .

f. .

g. .

h. .

i. .

j. .

15.k. .

l. .

m. .

n. .

o. .

p. .

q. .

r. .

s. .

t. .

u. .

v. .

w. .

x. .

y. .

z. .

17. What was the disposition of the patient on discharge?

Deceased D
Discharged alive A —

18. (Removed from HRAH) Was an autopsy performed?

Yes Y
No N

19.a. Was the patient either dead on arrival or did he/she die in the emergency room?

Yes Y
No N

19.b. First recorded Systolic BP: mmHg

If zero or not recorded, and patient died within 24 hours, record 000 and go to item 19e. If zero or not recorded and patient lived at least 24 hours, enter 001.

19.c. First recorded Diastolic BP: mmHg

d. First recorded Pulse Rate: bpm

If pulse rate is greater than 0, go to Item 21d, If 0 or not recorded, and patient lived at least 24 hours, enter 001 and go to Item 21d. If 0 or not recorded and patient died within 24 hours, enter 000 and continue with Item 19e.

e. Was there (an) acute episode(s) of pain or discomfort anywhere in the chest, left arm or shoulder or jaw either just before death or within 72 hours of death? Yes Y
No N
Unknown U

19.f. Is there a history of myocardial infarction prior to onset of this event? Yes Y

Go to Item 19h. ———— No N
Unknown U

g. Did a myocardial infarction occur within four weeks of this event? Yes Y

No N

Unknown U

h. Is there any history of angina pectoris or coronary insufficiency? Yes Y

No N

Unknown U

19.i. Is there any history of any other chronic ischemic heart disease? Yes Y

No N

Unknown U

Skip to Item 97, and treat as an out-of-hospital death.

20. Answer the following:

a. Do the Discharge Diagnoses include any 410 or 411 codes? ... Yes Y

Go to Item 21a ———— No N

b. *Item deleted*

c. *Item deleted*

d. Is there mention of acute MI in the discharge summary? Yes Y

Go to Item 21a ———— No N

24.a. What was the primary diagnosis or reason for admission to this hospital?

- Elective cardiac catheterization A
- Elective coronary bypass surgery B
- Other non-acute CHD evaluation C
- Cancer D
- Diabetes mellitus E
- Stroke F
- Chronic obstructive pulmonary disease G
- Peripheral vascular disease H
- Gallbladder disease I
- Other O

24.b. Was there mention of an acute CHD event with onset after arrival at this hospital? Yes Y

No N

c. Date of in-hospital CHD event:

		-			-				
Month			Day			Year			

[NOTE: If patient had both CHD event present on admission (Item 23=Y) and after admission (Item 24b=Y), you must decide which event is more important (see Instructions). Answer subsequent questions for the more important event.]

25.a. Was there an acute episode(s) of pain or discomfort anywhere in the chest, left arm or shoulder or jaw, either within 72 hours prior to arrival to this hospital, or in conjunction with the in-hospital CHD event defined in Item 24b? Yes Y

No N

Unknown U

Go to Item 26.a.

b. Date of onset of pain:

		-			-				
Month			Day			Year			

25.c. Did this pain or discomfort specifically involve the chest? Yes Y

No N

Unknown U

d. Was the discomfort or pain diagnosed as having a non-cardiac origin? Yes Y

No N

Unknown U

Go to Item 25f.

e. If Yes, specify:

f. Did the patient die? Yes Y

No N

Go to Item 26.a.

25.g. Approximately how long was it from the onset of this event to death?

<1 hour A

≥1 hour and <6 hours B

≥6 hours and <24 hours ... C

24 hrs or more D

Unknown U

26.a. Was coronary reperfusion (coronary angioplasty, coronary atherectomy, bypass, intravenous or intracoronary thrombolysis) attempted in the first 24 hours after onset of this event? Yes Y

No N

Go to Item 27.

26.b. (Removed from HRAH) Approximately how long was it between event onset and attempt at reperfusion?

< 1 hour A

≥ 1 hour and <2 hours ... B

≥2 hours and <4 hours ... C

≥4 hours and <6 hours ... D

≥6 hours and <8 hours ... E

≥8 hours F

Unknown U

27. (Removed from HRAH) Was the patient ever in a CCU/ICU or telemetry bed during this hospitalization? Yes Y

No N

Unknown U

28. Were any of the following mentioned as being present during this hospital stay?

a. Shock or cardiogenic shock (pump failure) Yes Y

Go to Item 28b. ————— No N

1. Did shock occur within the first 24 hours after onset of this event? Yes Y

No N

Unknown U

b. Congestive heart failure or pulmonary edema Yes Y

Go to Item 28c. ————— No N

1. Did CHF or pulmonary edema occur within the first 24 hours after onset of this event? Yes Y

No N

Unknown U

c. (Removed from HRAH)S3 Gallop (third heart sound) Yes Y

No N

28.d. (Removed from HRAH)Rales (not just basilar) Yes Y

No N

e. (Removed from HRAH)Ventricular fibrillation or cardiac arrest or asystole Yes Y

Go to Item 28f. ————— No N

1. (Removed from HRAH)Did ventricular fibrillation or cardiac arrest occur within the first 24 hours after onset of this event? ... Yes Y

No N

Unknown U

f. (Removed from HRAH)Pulmonary embolus Yes Y

No N

g. (Removed from HRAH)Stroke Yes Y

No N

h. (Removed from HRAH)Pneumonia Yes Y

No N

29. Were the following special procedures or operations performed during this hospital stay?

Yes No

a. (Removed from HRAH)Cardiac catheterization Y N

b. (Removed from HRAH)Coronary angiography Y N

c. Coronary angioplasty Y N

Go to Item 29c2. —————

29.c.1. (Removed from HRAH)Approximately how long after the onset of this event was the performance of the coronary angioplasty?

Before onset A

< 1 hour B

≥ 1 hour and <2 hours C

≥2 hours and <4 hours D

≥4 hours and <6 hours E

≥6 hours and <8 hours F

≥8 hours and <24 hours ... G

≥24 hours H

Unknown U

29.c.2 Coronary atherectomyYes Y

Go to Item 29.d. _____ No N

c.3. (Removed from HRAH) Approximately how long after the onset of this event was the performance of the coronary atherectomy?

Before onset A

< 1 hour B

≥ 1 hour and <2 hours C

≥2 hours and <4 hours D

≥4 hours and <6 hours E

≥6 hours and <8 hours F

≥8 hours and <24 hours G

≥24 hours H

Unknown U

Yes No

29.d. (Removed from HRAH) Swan-Ganz catheterization Y

N

e. (Removed from HRAH) Echocardiography Y

N

f. Coronary bypass surgery Y N

Go to Item 29g. _____

f.1. (Removed from HRAH) Approximately how long after the onset of this event was the performance of the coronary bypass surgery?

Before onset A

< 1 hour B

≥ 1 hour and <2 hours C

≥2 hours and <4 hours D

≥4 hours and <6 hours E

≥6 hours and <8 hours F

≥8 hours and <24 hours.. ... G

≥24 hours H

Unknown U

29.g. Intracoronary streptokinase, urokinase, anistreplase, APSAC, or TPA reperfusion Yes Y

No N

h. Intravenous streptokinase, urokinase, anistreplase APSAC, or TPA reperfusion Yes Y

No N

If 29g and 29h were answered "No", Go to Item 29i.

29.h.1. (Removed from HRAH) Approximately how long after the onset of this event was the performance of the intracoronary or intravenous reperfusion?

Before onset A

< 1 hour B

≥ 1 hour and <2 hours C

≥2 hours and <4 hours D

≥4 hours and <6 hours E

≥6 hours and <8 hours F

≥8 hours and <24 hours G

≥24 hours H

Unknown U

	<u>Yes</u>	<u>No</u>
29.i. (Removed from HRAH) Aortic balloon pump	Y	N
j. (Removed from HRAH) Radionuclide scan of heart	Y	N
<div style="border: 1px solid black; display: inline-block; padding: 2px;">Go to Item 29m.</div> 		
k. (Removed from HRAH) If yes, specify type:		

l. *Item deleted*		
m. (Removed from HRAH) MRI scan of heart	Y	N
n. (Removed from HRAH) Exercise stress test	Y	N

	<u>Yes</u>	<u>No</u>
29.o. (Removed from HRAH) Holter monitoring	Y	N
p. (Removed from HRAH) Pacemaker (temporary, wires)	Y	N
1. Coronary stent	Y	N
<div style="border: 1px solid black; display: inline-block; padding: 2px;">Go to Item 29p2.</div> 		
a. (Removed from HRAH) Approximately how long after the onset of this event was the placement of the coronary stent?		
Before onset A		
< 1 hour B		
≥ 1 hour and <2 hours C		
≥2 hours and <4 hours D		
≥4 hours and <6 hours E		
≥6 hours and <8 hours F		
≥8 hours and <24 hours G		
≥24 hours H		
Unknown U		

	<u>Yes</u>	<u>No</u>
29.p.2. (Removed from HRAH) Implanted defibrillator	Y	N
<div style="border: 1px solid black; display: inline-block; padding: 2px;">Go to Item 29p2c</div> 		
a. (Removed from HRAH) Approximately how long after the onset of this event was the defibrillator implanted?		
Before onset A		
< 1 hour B		
≥ 1 hour and <2 hours C		
≥2 hours and <4 hours D		
≥4 hours and <6 hours E		
≥6 hours and <8 hours F		
≥8 hours and <24 hours ... G		
≥24 hours H		
Unknown U		

	<u>Yes</u>	<u>No</u>
29.p.2. c. (Removed from HRAH) Coronary CT	Y	N
d. (Removed from HRAH) MRI Stress Test	Y	N
29.q. (Removed from HRAH) Other (specify):		
1. _____		

2. _____		

30a.. Was closed chest massage (CPR) and/or cardioversion attempted within 24 hours prior to arrival at this hospital or anytime during this hospitalization? Yes Y

No N

Go to Item 31.a.

b. Date of first onset of attempted CPR and/or cardioversion:

		-			-				
Month		Day		Year					

30.c. (Removed from HRAH)Where was first CPR and/or cardioversion started?

(Circle one)

Private residence R

Work W

Public place P

Emergency vehicle V

Emergency roomE

Hospital H

Other O

Not recorded U

31. (Removed from HRAH)Were any of the following drugs given during this hospitalization or at discharge?

	<u>Yes</u>	<u>No</u>
a. Nitrates	Y	N
b. Calcium channel blockers	Y	N
c. Beta-blockers	Y	N
d. Digitalis	Y	N
e. Lidocaine (xylocaine) I.V. or I.M. only	Y	N
f. Coumadin (Warfarin, Panwarfin, Dicumarol)	Y	N

	<u>Yes</u>	<u>No</u>
g. Aspirin - on regular basis (not PRN)	Y	N
h. ACE or Angiotensin II inhibitors	Y	N
i. Intravenous heparin infusion	Y	N
j. Antiplatelet agents (non-aspirin)	Y	N
k. Glucose, insulin, potassium infusion (GIK)	Y	N
l. Lipid lowering medications (Statins, Niacin, Other)	Y	N

32. Is there a history of myocardial infarction prior to the onset of this event? Yes Y
 No N
 Unknown U

[If U, also review previous discharge diagnoses.]

33. Is there any history of angina pectoris or coronary insufficiency? Yes Y
 No N
 Unknown U

If Item 32 or Item 33 is answered "Yes", Go to Item 35.

34.a. Is there a history of any other chronic ischemic heart disease? Yes Y
 No N

Go to Item 35.

b. Specify: _____

35. Is there a history of valvular disease or cardiomyopathy? Yes Y
 No N

36. Is there a history of coronary bypass surgery prior to this event? Yes Y
 No N

37. Is there a history of coronary angioplasty prior to this event? Yes Y
 No N

38.a. Is there a history of hypertension (high blood pressure) prior to this event? Yes Y
 No N
 Unknown U

b. Does this patient have diabetes (high blood sugar), either history or diagnosed this hospitalization?..... Yes Y
 No N
 Unknown U

39. (Removed from HRAH) Is there a history of stroke prior to this event? Yes Y
 No N
 Unknown U

Go to Item 41.

40. (Removed from HRAH) Did a stroke occur within 4 weeks prior to this event? Yes Y
 No N
 Unknown U

41. Were any cardiac enzymes reported within days 1-4 after arrival at the hospital or after in-hospital CHD event? Yes Y
 No N

Go to Item 43cc.

42.a. Is there mention of the patient having either trauma, a surgical procedure, or rhabdomyolysis, within one week prior to measurement of enzymes? Yes Y
 No N

Go to Item 42d.

b. Indicate type of procedure or trauma: Yes No

1. Cardiac procedure..... Y N
 2. CPR or cardioversion..... Y N
 3. Other cardiac trauma..... Y N

↓

4. Specify: _____

5. Rhabdomyolysis..... Y N
 6. Intramuscular injection..... Y N
 7. Non-cardiac procedure..... Y N

↓

8. Specify: _____

9. Non-cardiac trauma..... Y N

42.c. Enter the item number from the biomarkers section of this form corresponding to the first biomarker measurement performed after the trauma, cardiac procedure or rhabdomyolysis:

d. Is there any evidence of hemolytic disease during the hospitalization? Yes Y
 No N

B. BIOMARKERS

43. LABORATORY STANDARDS

<u>Range Set 1</u>		<u>Upper Limit of Normal</u>		<u>Special** Units</u>	
Total CK (CPK)	a.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>			
CK-MB (hrt frac)	b.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	c.	<input type="text"/>
<i>(Removed from HRAH)</i> Total LDH		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>			
<i>(Removed from HRAH)</i> LDH1		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	.	<input type="text"/> f.
<i>(Removed from HRAH)</i> LDH2		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	.	<input type="text"/> h.
<i>(Removed from HRAH)</i> LDH1/LDH2		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	.	<input type="text"/> j.
Troponin I	u.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	v.	<input type="text"/>
Troponin T	w.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	x.	<input type="text"/>
BNP (brain natriuretic peptide):	cc.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	pg/ml	If Q41=N, then answer only Q43cc, Q43dd and Q43ee. Then skip to Q56aa.
Serum Creatinine:	dd.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	mg/dl	
Pro- BNP:	ee.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	pg/ml	

<u>Range Set 2</u>		<u>Upper Limit of Normal</u>		<u>Special** Units</u>	
Total CK (CPK)	k.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>			
CK-MB (hrt frac)	l.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	m.	<input type="text"/>
<i>(Removed from HRAH)</i> Total LDH		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>			
<i>(Removed from HRAH)</i> LDH1		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>		<input type="text"/> p.
<i>(Removed from HRAH)</i> LDH2		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>		<input type="text"/> r.
<i>(Removed from HRAH)</i> LDH1/LDH2		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>		<input type="text"/> t.
Troponin I	y.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	z.	<input type="text"/>
Troponin T	aa.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	bb.	<input type="text"/>

**Special Units:

CK-MB, Troponin I, Troponin T

1 = (Negative/Positive) or (Absent/Present) or (Normal/Abnormal)

2 = (Negative/Weak Positive/Positive) or (Absent/Trace/Present)

or (Normal/High Normal/Abnormal)

CK-MB, LDH1, LDH2

3 = Expressed as % of total enzyme

4 = Expressed as proportion (decimal units) of total enzyme

LDH1/LDH2

5 = %

6 = Proportion (decimal)

7 = (Negative/Positive) or (LDH1 ≤ LDH2 / LDH1 > LDH2)

BIOMARKERS: DAY ONE

44.a. Date

		-			-				
--	--	---	--	--	---	--	--	--	--

b. Were enzyme measurements taken on this date?..... Yes Y

No N

Go To Item 48.a.

--

Record values in chronologic order for the three highest reports for each enzyme on Day One of arrival or in-hospital CHD event. (LDH1 and LDH2 must be on same specimen.)

Value (See Footnote next page)*

Range Set

45.	Total CK (CPK)	a.		b.							
	CK-MB (hrt frac)	c.	<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>					d.	<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		
	<i>(Removed from HRAH)</i> Total LDH		<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>						<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		f.
	<i>(Removed from HRAH)</i> LDH1		<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>						<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		h.
	<i>(Removed from HRAH)</i> LDH2		<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>						<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		j.
	<i>(Removed from HRAH)</i> LDH1/LDH2		<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>						<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		l.
	Troponin I	m.	<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>					n.	<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		
	Troponin T	o.	<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>					p.	<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		
46.	Total CK (CPK)	a.	<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>					b.	<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		
	CK-MB (hrt frac)	c.	<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>					d.	<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		
	<i>(Removed from HRAH)</i> Total LDH		<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>						<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		f.
	<i>(Removed from HRAH)</i> LDH1		<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>						<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		h.
	<i>(Removed from HRAH)</i> LDH2		<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>						<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		j.
	<i>(Removed from HRAH)</i> LDH1/LDH2		<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>						<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		l.
	Troponin I	m.	<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>					n.	<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		
	Troponin T	o.	<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>					p.	<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		
47.	Total CK (CPK)	a.	<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>					b.	<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		
	CK-MB (hrt frac)	c.	<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>					d.	<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		
	<i>(Removed from HRAH)</i> Total LDH		<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>						<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		f.
	<i>(Removed from HRAH)</i> LDH1		<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>						<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		h.
	<i>(Removed from HRAH)</i> LDH2		<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>						<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		j.
	<i>(Removed from HRAH)</i> LDH1/LDH2		<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>						<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		l.
	Troponin I	m.	<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>					n.	<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		
	Troponin T	o.	<table border="1" style="border-collapse: collapse; width: 100px; height: 20px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table>					p.	<table border="1" style="border-collapse: collapse; width: 30px; height: 20px;"><tr><td style="width: 30px;"></td></tr></table>		

BIOMARKERS: DAY TWO

48.a. Date - -

Month Day Year

b. Were enzyme measurements taken on this date? Yes Y

No N

Go to Item 51.a.

Record values in chronologic order for the two highest reports for each enzyme on Day Two following arrival or in-hospital CHD event. (LDH1 and LDH2 must be on same specimen.)

			<u>Value*</u>		<u>Range Set</u>	
49.	Total CK (CPK)	a.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		b.	<input type="text"/>
	CK-MB (hrt frac)	c.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		d.	<input type="text"/>
	<i>(Removed from HRAH)</i> Total LDH		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		f.	<input type="text"/>
	<i>(Removed from HRAH)</i> LDH1		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		h.	<input type="text"/>
	<i>(Removed from HRAH)</i> LDH2		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		j.	<input type="text"/>
	<i>(Removed from HRAH)</i> LDH1/LDH2		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		l.	<input type="text"/>
	Troponin I	m.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		n.	<input type="text"/>
	Troponin T	o.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		p.	<input type="text"/>

			<u>Value*</u>		<u>Range Set</u>	
50.	Total CK (CPK)	a.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		b.	<input type="text"/>
	CK-MB (hrt frac)	c.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		d.	<input type="text"/>
	<i>(Removed from HRAH)</i> Total LDH		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		f.	<input type="text"/>
	<i>(Removed from HRAH)</i> LDH1		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		h.	<input type="text"/>
	<i>(Removed from HRAH)</i> LDH2		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		j.	<input type="text"/>
	<i>(Removed from HRAH)</i> LDH1/LDH2		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		l.	<input type="text"/>
	Troponin I	m.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		n.	<input type="text"/>
	Troponin T	o.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>		p.	<input type="text"/>

***Special Values:**

CK-MB, Troponin I, Troponin T

A = Negative or absent or normal

B = Weak positive or weak present or trace or high-normal or small

C = Present or positive or abnormal or medium or large

LDH1/LDH2

D = LDH1/LDH2 reported only as \geq upper limit or positive or LDH1 > LDH2 (or "flipped")

E = LDH1/LDH2 reported only as < upper limit or negative or LDH1 \leq LDH2 (or "non-flipped")

BIOMARKERS: DAY THREE

51.a. Date

		-			-				
Month			Day		Year				

b. Were enzyme measurements taken on this date? Yes Y
 No N

Go to Item 54.a.

Record values in chronologic order for the two highest reports for each enzyme on Day Three following arrival or in-hospital CHD event. (LDH1 and LDH2 must be on same specimen.)

		<u>Value*</u>		<u>Range Set</u>							
52. Total CK (CPK)	a.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>						b.	<input style="width: 20px; height: 20px;" type="checkbox"/>		
CK-MB (hrt frac)	c.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								d.	<input style="width: 20px; height: 20px;" type="checkbox"/>
<i>(Removed from HRAH)</i> Total LDH	e.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>						f.	<input style="width: 20px; height: 20px;" type="checkbox"/>		
<i>(Removed from HRAH)</i> LDH1	.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								h.	<input style="width: 20px; height: 20px;" type="checkbox"/>
<i>(Removed from HRAH)</i> LDH2	.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								j.	<input style="width: 20px; height: 20px;" type="checkbox"/>
<i>(Removed from HRAH)</i> LDH1/LDH2	.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								l.	<input style="width: 20px; height: 20px;" type="checkbox"/>
Troponin I	m.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								n.	<input style="width: 20px; height: 20px;" type="checkbox"/>
Troponin T	o.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>							p.	<input style="width: 20px; height: 20px;" type="checkbox"/>	

		<u>Value*</u>		<u>Range Set</u>							
53. Total CK (CPK)	a.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>						b.	<input style="width: 20px; height: 20px;" type="checkbox"/>		
CK-MB (hrt frac)	c.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								d.	<input style="width: 20px; height: 20px;" type="checkbox"/>
<i>(Removed from HRAH)</i> Total LDH	e.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>						f.	<input style="width: 20px; height: 20px;" type="checkbox"/>		
<i>(Removed from HRAH)</i> LDH1	.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								h.	<input style="width: 20px; height: 20px;" type="checkbox"/>
<i>(Removed from HRAH)</i> LDH2	.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								j.	<input style="width: 20px; height: 20px;" type="checkbox"/>
<i>(Removed from HRAH)</i> LDH1/LDH2	.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								l.	<input style="width: 20px; height: 20px;" type="checkbox"/>
Troponin I	m.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								n.	<input style="width: 20px; height: 20px;" type="checkbox"/>
Troponin T	o.	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>							p.	<input style="width: 20px; height: 20px;" type="checkbox"/>	

***Special Values:**

CK-MB, Troponin I, Troponin T

- A = Negative or absent or normal
- B = Weak positive or weak present or trace or high-normal or small
- C = Present or positive or abnormal or medium or large

LDH1/LDH2

- D = LDH1/LDH2 reported only as \geq upper limit or positive or LDH1 > LDH2 (or "flipped")
- E = LDH1/LDH2 reported only as < upper limit or negative or LDH1 \leq LDH2 (or "non-flipped")

BIOMARKERS: DAY FOUR

54.a. Date

		-			-				
Month			Day		Year				

b. Were enzyme measurements taken on this date? Yes Y

No N

Go to Item 56aa.

Record values in chronologic order for the two highest reports for each enzyme on Day Four following arrival or in-hospital CHD event. (LDH1 and LDH2 must be on same specimen.)

		<u>Value*</u>		<u>Range Set</u>								
55. Total CK (CPK)	a.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>						b.	<input style="width: 20px; height: 20px;" type="checkbox"/>			
CK-MB (hrt frac)	c.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								d.	<input style="width: 20px; height: 20px;" type="checkbox"/>	
<i>(Removed from HRAH)</i> Total LDH	e.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>						f.	<input style="width: 20px; height: 20px;" type="checkbox"/>	f.		
<i>(Removed from HRAH)</i> LDH1	g.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								h.	<input style="width: 20px; height: 20px;" type="checkbox"/>	h.
<i>(Removed from HRAH)</i> LDH2	i.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								j.	<input style="width: 20px; height: 20px;" type="checkbox"/>	j.
<i>(Removed from HRAH)</i> LDH1/LDH2	k.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								l.	<input style="width: 20px; height: 20px;" type="checkbox"/>	l.
Troponin I	m.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								n.	<input style="width: 20px; height: 20px;" type="checkbox"/>	
Troponin T	o.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								p.	<input style="width: 20px; height: 20px;" type="checkbox"/>	

		<u>Value*</u>		<u>Range Set</u>								
56. Total CK (CPK)	a.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>						b.	<input style="width: 20px; height: 20px;" type="checkbox"/>			
CK-MB (hrt frac)	c.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								d.	<input style="width: 20px; height: 20px;" type="checkbox"/>	
Total LDH	e.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>						f.	<input style="width: 20px; height: 20px;" type="checkbox"/>			
<i>(Removed from HRAH)</i> LDH1	g.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								h.	<input style="width: 20px; height: 20px;" type="checkbox"/>	h.
<i>(Removed from HRAH)</i> LDH2	i.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								j.	<input style="width: 20px; height: 20px;" type="checkbox"/>	j.
<i>(Removed from HRAH)</i> LDH1/LDH2	k.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								l.	<input style="width: 20px; height: 20px;" type="checkbox"/>	l.
Troponin I	m.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								n.	<input style="width: 20px; height: 20px;" type="checkbox"/>	
Troponin T	o.	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> . <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table>								p.	<input style="width: 20px; height: 20px;" type="checkbox"/>	

***Special Values:**

CK-MB, Troponin I, Troponin T

- A = Negative or absent or normal
- B = Weak positive or weak present or trace or high-normal or small
- C = Present or positive or abnormal or medium or large

LDH1/LDH2

- D = LDH1/LDH2 reported only as \geq upper limit or positive or LDH1 > LDH2 (or "flipped")
- E = LDH1/LDH2 reported only as < upper limit or negative or LDH1 \leq LDH2 (or "non-flipped")

56.aa Was BNP measured?

Yes No
Y N

Go to Q56af.

56.ab. Record the value of the first, last, and highest measurements of BNP (pg/ml):

1. First: . 2. date: -- (mm/dd/yyyy)

3. Last (if more than one): . 4. date: -- (mm/dd/yyyy)

5. Highest of remaining values (if more than two): . 6. date: -- (mm/dd/yyyy)

56.af Was pro- BNP measured?

Yes No
Y N

Go to Q56ac.

56.ag. Record the value of the first, last, and highest measurements of pro-BNP (pg/ml):

1. First: . 2. date: -- (mm/dd/yyyy)

3. Last (if more than one): . 4. date: -- (mm/dd/yyyy)

5. Highest of remaining values (if more than two): . 6. date: -- (mm/dd/yyyy)

56ac & ad was moved to the CEL form

56.ac. Was serum creatinine measured?

Yes No
Y N

Go to question 56.ae.

56.ad. Record the value of the first, last, and highest measurements of serum creatinine (mg/dl):

1: First: 2. date: -- (mm/dd/yyyy)

5. Last (if more than one): 6. date: -- (mm/dd/yyyy)

7. Highest of remaining values (if more than two): 8. date: -- (mm/dd/yyyy)

56.ae. Is this patient currently on kidney dialysis (anytime in the last four weeks)? YES Y
NO N

C. ECG CODING

57. Were any 12 lead ECGs taken during this admission? Yes Y

No N

Go to Item 97.

58. Are any of the ECGs codable: Yes Y

No N

Go to Item 97.

FIRST CODABLE ECG AFTER ARRIVAL AT HOSPITAL (ECGF)

59. Date of ECGF

		-			-				
Month			Day		Year				

[Check calibration mark]

a. Time of ECGF:

		:		
H H			M M	

(The following items # 60-69 were removed from HRA versions B, C, D, E and F)

60a. Does ECGF have a *(Removed from HRA B,C,D,F)* Suppression Pattern?

Yes Y
No..... N*

60b. Which suppression pattern? *(Removed from HRA B,C,D,F)*

- Complete heart block.....C*
- WPW Pattern.....W*
- Pacemaker..... P*
- Ventricular Fibrillation.....F*
- Persistent ventricular rhythm ...V*

61. Were any leads disqualified *(Removed from HRA B,C,D,F)* from Q-Wave measurement due to a majority of ventricular beats?

Yes.....Y*
No.....N

62a. Indicate any missing leads. *(Removed from HRAB,C,D,F)*
Up to two are allowed;
if AVR is missing, an additional two may be missing:
First missing lead:

62b. Indicate any missing leads. *(Removed from HRAB,C,D,F)*
Up to two are allowed; if AVR is missing, an additional two may be missing: Second missing lead:

63. Does ECGF have 7-1-1 or 7-2-1? *(Removed from HRA B,C,D,F)*

Yes, 7-1-1.....1
Yes, 7-2-1..... 2
No..... N

64. Do ANY Q or QS Patterns *(Removed from HRAB,C,D,F)* exist on ECGF in lateral leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y*
No..... N

65. Do ANY Q or QS Patterns *(Removed from HRAB,C,D,F)* exist on ECGF in lateral leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y
No..... N

66. Do ANY Q or QS Patterns *(Removed from HRAB,C,D,F)* exist on ECGF in inferior leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y*
No..... N

67. Do ANY Q or QS Patterns *(Removed from HRAB,C,D,F)* exist on ECGF in inferior leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y
No..... N

78. Do ANY Q or QS Patterns (Removed from HRA B,C,D,F) exist on ECGL in inferior leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y*
No..... N

79. Do ANY Q or QS Patterns (Removed from HRA B,C,D,F) exist on ECGL in inferior leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y
No..... N

80. Do ANY Q or QS Patterns (Removed from HRA B,C,D,F) exist on ECGL in anterior leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y*
No..... N

81. Do ANY Q or QS Patterns (Removed from HRA B,C,D,F) exist on ECGL in anterior leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y
No..... N

82. Are there other codable ECGs taken on or after day 3 after admission, or on or after day 3 following an in-hospital event? Yes Y

No N
 Go to Item 94.

Find the last codable ECG on day 3 after admission, or on day 3 after an in-hospital event (ECGT). [If day 3 ECG is not available, use first available ECG thereafter.]

THIRD DAY ECG (ECGT)

83. Date of ECGT: - -
 Month Day Year

a. Time of ECGT:
 H H M M

(The following items # 72a-81 were removed from HRA versions B, C, D, E and F)

84a. Does ECGT have a Suppression Pattern? (Removed from HRA B,C, D,E F)

Yes Y
No..... N*

84b. Which suppression pattern? (Removed from HRA B,C,D,F)

- Complete heart block.....C*
- WPW Pattern.....W*
- Pacemaker..... P*
- Ventricular Fibrillation.....F*
- Persistent ventricular rhythm ... V*

85. Were any leads disqualified (Removed from HRA B,C,D,F) from Q-Wave measurement due to a majority of ventricular beats?

Yes.....Y*
No.....N

86a. Indicate any missing leads. (Removed from HRA B,C,D,F)
 Up to two are allowed; if AVR is missing, an additional two may be missing:
 First missing lead:

86b. Indicate any missing leads. (Removed from HRA B,C,D,F)
Up to two are allowed; if AVR is missing, an additional two may be missing: Second missing lead:

87. Does ECGL have 7-1-1 or 7-2-1? (Removed from HRA B,C,D,F)

Yes, 7-1-1.....1
Yes, 7-2-1..... 2
No..... N

88. Do ANY Q or QS Patterns (Removed from HRA B,C,D,F) exist on ECGT in lateral leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y*
No..... N

89. Do ANY Q or QS Patterns (Removed from HRA B,C,D,F) exist on ECGT in lateral leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y
No..... N

90. Do ANY Q or QS Patterns (Removed from HRA B,C,D,F) exist on ECGT in inferior leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y*
No..... N

91. Do ANY Q or QS Patterns (Removed from HRA B,C,D,F) exist on ECGT in inferior leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y
No..... N

92. Do ANY Q or QS Patterns (Removed from HRA B,C,D,F) exist on ECGT in anterior leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y*
No..... N

93. Do ANY Q or QS Patterns (Removed from HRA B,C,D,F) exist on ECGT in anterior leads listed on HRA Paper Form or in the "Help" Screen?

Yes Y
No..... N

94. Were ECGs sent to ECG Reading Center? Yes Y

Go to Item 97. No N

Yes No

- a. ECGF sent? Y N
- b. ECGL sent? Y N
- c. ECGT sent? Y N

95. ECG Coder number: (Removed from HRA B,C,D,F)

96. Date ECG coded: mm-dd-yy (Removed from HRA B,C,D,F)

D. ADMINISTRATIVE INFORMATION

97. Abstractor number:

98. Date abstract completed: - -
Month Day Year

99. Method of data collection: (Removed from HRAF to CHI13 as "Source of information abstracted")

- C Computer
- P Paper