OMB# 0925-0414 Exp: 4/06

COMMENTS		-Affix label here-
		Clinical Center/ID:
		First NameM.I
		Last Name
To be completed b	y Physician Adjudicator	To be completed by Outcomes Specialist:
Date Completed:	(M/D/Y)	Staff person:
Adjudicator Code:		Adjudication Case No.:
•		"mark one" or "mark all" that apply.)
	ete ECG and cardiac enzyme information for ocardial infarction (MI), coronary death [hospite	or the following WHI outcomes: alized], angina, CHF, and coronary revascularization
1.	ECG pattern: (Mark the one category that	applies best.)
	1 Evolving Q-wave and evolving ST-T ab	normalities
	Equivocal Q-wave evolution; or evolving	g ST-T abnormalities; or <u>new</u> left bundle branch block
	3 Q-waves or ST-T abnormalities sugges	stive of an MI and not classified as code 1 or 2 above
	Other ECG pattern, ECG uncodable, or	r normal ECG pattern
	Section Sectio	
2.	Cardiac enzyme information available?	
	\square_0 No (Skip to Question 3 on page 3.)	
	1 Yes	
2.1.	Serum creatine kinase (CK): (Mark all that a	apply.) (Always record % or index if available.)
	If CK-MB available:	
	CK-MB expressed as a % or index: (Reco	•
	CK-MB at least 2x upper limit of norma	
	CK-MB greater than upper limit of norm	nal but less than 2x upper limit of normal for % or index
	CK-MB within normal limits for % or inc	dex
	CK-MB expressed in units (usually ng/ml):	: (Record peak results only.)
	CK-MB at least 2x upper limit of norma	
		nal but less than 2x upper limit of normal for units
		iai but 1633 than 2x upper limit of Hormai for units
	CK-MB within normal limits for units	
	No units or % index given for CK-MB:	
	CK-MB reported as "present" without q	uantification
	CK-MB reported as "weakly present" w	
RV	KE	

	If CK-MB not available:
	Total CK at least 2x upper limit of normal
	Total CK greater than upper limit of normal but less than 2x upper limit of normal
	Total CK within normal limits
	CK result not available
2.2.	Serum lactate dehydrogenase (LDH): (Mark the one category that applies best.) (Complete only if no other cardiac enzymes are available.)
	If LDH1 and LDH2 available:
	LDH1 ≥ LDH2
	LDH1 < LDH2
	If LDH1 available and LDH2 missing or absent:
	LDH1 at least 2x upper limit of normal
	LDH1 greater than upper limit of normal but less than 2x upper limit of normal
	LDH1 within normal limits
	If LDH1 not available:
	Total LDH at least 2x upper limit of normal
	Total LDH greater than upper limit of normal but less than 2x upper limit of normal
	Total LDH within normal limits
	D ₉ LDH result not available
2.3.	Troponin lab test. (<i>Mark the <u>one</u> category that applies best.</i>) (If more than one test was conducted, record the type with the most elevated lab result.)
	Troponin C Troponin, not specified
	\square_2 Troponin I \square_9 Troponin not available (Skip to Question 2.4 below.)
	Troponin T
	2.3.1 Results (Mark the one category that applies best.) Troponin values should be coded using the upper limit of normal (ULN) and not upper limit of indeterminate/indecisive as the reference value. Thus, if 2 cutpoints are given, choose the lower cutpoint for the upper limit of normal.
	Troponin at least 2x upper limit of normal
	\square_2 Troponin greater than upper limit of normal but less than 2x upper limit of normal
	Troponin within normal limits
	Other
2.4.	"Other" cardiac-specific lab: (write in)
	2.4.1 Results (Mark the one category that applies best.)
	At least 2x upper limit of normal
	Greater than upper limit of normal but less than 2x upper limit of normal
	Within normal limits
	Other

Yes □ ₁	No	3.	Definite, probable, or aborted myocardial infarction (See MOOP Vol. 8, Table 5.1 – Definition of Criteria for Diagnosis of Myocardial Infarction.)
'	U	3.1.	Date of admission: (M/D/Y)
		3.2.	Diagnosis: (Mark one.)
			\square_1 Myocardial infarction <u>not</u> occurring as a result of or during a procedure*
			Myocardial infarction during or resulting from a procedure*
			*An MI is defined as procedure-related if it occurs within 30 days after any procedure. This includes any vascular procedure (regardless of type of anesthesia) plus all other procedures requiring more than local anesthesia.
		3.3.	Cardiac pain defined as: an acute episode of pain, discomfort or tightness in the chest, arm, throat or jaw: (Mark the one category that applies best.)
			T ₁ Present
			Absent
			Unknown/Not recorded
		3.4.	Was a thrombolytic agent administered or emergent* revascularization procedure (e.g., angioplasty or stent) performed?
			*An emergent revascularization is conducted within 12 hours of symptom onset; code both here and in Q7. Non-emergent revascularization procedures are coded only under Q7. Examples of thrombolytic agents are streptokinase, tPA, reteplase (Retavase), tenecteplase (TNKase), alteplase tPA (Activase).
			No (Skip to Question 3.5 below.)
			The second of th
			Unknown
			3.4.1 Was the myocardial infarction aborted? (<i>Diagnosis of an aborted MI requires</i> : symptoms and ECG evidence for acute MI at presentation; intervention [thrombolytic therapy or a procedure] followed by resolution of ECG changes; and all cardiac enzymes within normal limits.)
			□ ₀ No
			Yes
			Unknown
		3.5.	Was the myocardial infarction fatal?
			\square_0 No
			Yes (Complete Question 4 below [for hospitalized deaths only] and Form 124 - Final Report of Death.)
			For <u>hospitalized</u> deaths only:
Yes	No	4.	Coronary death (Complete Form 124 - Final Report of Death.)
⊔ ₁	\square_0	4.1.	Date of Death: (M/D/Y)
		4.2.	Diagnosis:

WHI

Form 121 - Report of Cardiovascular Outcome

Ver. 6.2

res]		5.	Angina pectoris (including unstable angina) requiring and/or occurring during hospitalization. Chest pain, tightness, or shortness of breath produced by myocardial ischemia that does not result in infarction (usually caused by coronary insufficiency).
		5.1.	Date of Admission (M/D/Y)
		5.2.	Angina pectoris (including unstable angina) based on: (Mark all that apply.)
			Physician diagnosis of angina and receiving medical treatment at discharge, for angina on this admission (e.g., nitrate, beta-blocker, or calcium-channel blocker)
			Physician diagnosis of angina and receiving medical treatment for angina on this admission plus current medical record documenting a history of coronary heart disease by previous catheterization or revascularization procedure
			CABG surgery or other revascularization procedure on this admission. (Complete Question 7 also.)
			1 70% or greater obstruction of any coronary artery on angiography on this admission
			Horizontal or down-sloping ST-segment depression or abnormal ST elevation ≥ 1 mm on exercise or pharmacological stress testing with pain on this admission
			☐ 6 Scintigraphic or echocardiographic stress test positive for ischemia on this admission
			Resting ECG shows horizontal or down-sloping ST depression or abnormal ST elevation ≥ 1 mm with pain that is not present on ECG without pain on this admission
′es □₁	No	6.	Congestive heart failure requiring and/or occurring during hospitalization. (Physician diagnosis of new-onset or worsened congestive heart failure <u>on this admission</u> .)
_ '	—0	6.1.	Date of Admission (M/D/Y)
		6.2.	Congestive heart failure based on one or more of the following: (Mark all that apply.)
			Congestive failure diagnosed by physician and receiving medical treatment for CHF on this admission (e.g., diuretic, digitalis, vasodilator and/or angiotensin-converting enzyme inhibitor)
			Congestive failure diagnosed by physician and receiving medical treatment on this admission plus current medical record documents a history of an imaging procedure showing impaired systolic or diastolic LV function
			□ ₃ Pulmonary edema∖congestion by chest X-ray on this admission
			On this admission, dilated ventricle or poor left (or right-side) ventricular function (e.g., wall motion abnormalities) by echocardiography; radionuclide ventriculogram (RVG)/multigated acquisition (MUGA), or other contrast ventriculography, or evidence of left ventricular diastolic dysfunction
		6.3.	Was the congestive heart failure fatal? (Mark one.)
			No, non-fatal
			Yes, fatal (Complete Question 4 on page 3 of this form and Form 124 - Final Report of Death.)

WHI

Form 121 - Report of Cardiovascular Outcome

Ver. 6.2

′es ⊐	No	7.	Coronary revascularization on this admission
⊐₁	\square_0	7.1.	Date of Admission: (M/D/Y)
		7.2.	Type of procedure: Any one of the following procedures aimed at improving cardiac status (Mark all that apply.) Coronary artery bypass graft (CABG) Percutaneous transluminal coronary angioplasty (PTCA), coronary stent, or coronary atherectomy
		7.3.	Second myocardial infarction (MI) (i.e., second MI <u>not</u> already reported in Question 3) occurring as a result of or during the revascularization procedure. <i>(Mark one.)</i> \[\bigcup_{0} \text{ No} \] \[\bigcup_{1} \text{ Yes} \] \[\bigcup_{2} \text{ Unknown} \]
Yes	No □ ₀	8.	Stroke requiring and/or occurring during hospitalization: Rapid onset of a persistent neurologic deficit attributable to an obstruction or rupture of the arterial system (including stroke occurring during or resulting from a procedure*). Deficit is not known to be secondary to brain trauma, tumor, infection, or other cause. Deficit must last more than 24 hours, unless death supervenes or there is a demonstrable lesion compatible with acute stroke on CT or MRI scan.
			*A stroke is defined as procedure-related if it occurs within 24 hours after any procedure or within 30 days after a cardioversion or invasive cardiovascular procedure.
		8.1.	Date of Admission: (M/D/Y)
		8.2.	Diagnosis: (Mark the one category that applies best.)
			Hemorrhagic Stroke
			Subarachnoid hemorrhage not resulting from a procedure
			Intraparenchymal hemorrhage not resulting from a procedure
			Other or unspecified intracranial hemorrhage (not resulting from a procedure) (nontraumatic epidural hemorrhage or subdural hemorrhage)
			Ischemic Stroke
			Occlusion of cerebral or pre-cerebral arteries with infarction not resulting from a procedure (cerebral thrombosis, cerebral embolism, lacunar infarction)
			<u>Other</u>
			Acute, but ill-defined, cerebrovascular disease not resulting from a procedure
			Central nervous system complications during or resulting from a procedure

8.3.

Stroke diagnosis based on: (Mark the one category that applies best.)

				Rapid onset of neurological deficit <u>and</u> CT or MRI scan shows acute focal brain lesion consistent with neurological deficit and without evidence of blood (except mottled cerebral pattern)
			\square_2	Rapid onset of localizing neurological deficit with duration ≥ 24 hours but imaging studies are not available
			\square_3	Rapid onset of neurological deficit with duration ≥ 24 hours and the only available CT or MRI scan was done early and shows no acute lesion consistent with the neurologic deficit
			\square_4	Surgical evidence of ischemic infarction of brain
			\square_5	CT or MRI findings of blood in subarachnoid space or intra-parenchymal hemorrhage, consistent with neurological signs or symptoms
			\square_6	Positive lumbar puncture (for subarachnoid hemorrhage)
			\square_7	Surgical evidence of subarachnoid or intra-parenchymal hemorrhage as the cause of a clinical syndrome consistent with stroke
			□ 8	None of the above (e.g., fatal strokes where no imaging studies or clinical evidence are available; or CT/MRI does not show lesion consistent with the neurologic deficit)
		8.4.	If stro	oke fatal: (Mark all that apply.) (Complete Form 124 - Final Report of Death.)
			$\square_{\scriptscriptstyle 1}$	Hospitalized stroke within 28 days of death
				Previous stroke and no known potentially lethal non-cerebrovascular disease process
			\square_3^2	Stroke diagnosed as cause of death at post-mortem examination
				Stroke listed as underlying cause of death on death certificate
		8.5.		cipant's functional status at the time of hospital discharge (Glasgow Outcome Scale):
		8.5.		
		8.5.		K the one category that applies best.) Good recovery – Patient can lead a full and independent life with or without minimal neurological
		8.5.		k the one category that applies best.) Good recovery – Patient can lead a full and independent life with or without minimal neurological deficit
		8.5.		Good recovery – Patient can lead a full and independent life with or without minimal neurological deficit Moderately disabled – Patient has neurological or intellectual impairment but is independent
		8.5.	(<i>Mark</i>	Good recovery – Patient can lead a full and independent life with or without minimal neurological deficit Moderately disabled – Patient has neurological or intellectual impairment but is independent Severely disabled – Patient conscious but dependent on others to get through daily activities
		8.5.		Good recovery – Patient can lead a full and independent life with or without minimal neurological deficit Moderately disabled – Patient has neurological or intellectual impairment but is independent Severely disabled – Patient conscious but dependent on others to get through daily activities Vegetative survival – Has no obvious cortical functioning
Yes D ₁	No □ ₀	9.	(Mark \Box 1 \Box 2 \Box 3 \Box 4 \Box 5 \Box 6 Trans episod Rapid	Good recovery – Patient can lead a full and independent life with or without minimal neurological deficit Moderately disabled – Patient has neurological or intellectual impairment but is independent Severely disabled – Patient conscious but dependent on others to get through daily activities Vegetative survival – Has no obvious cortical functioning Dead
Yes □ ₁	No □ 0		(Mark	Good recovery – Patient can lead a full and independent life with or without minimal neurological deficit Moderately disabled – Patient has neurological or intellectual impairment but is independent Severely disabled – Patient conscious but dependent on others to get through daily activities Vegetative survival – Has no obvious cortical functioning Dead Unable to categorize stroke based on available case packet documentation sient ischemic attack requiring and/or occurring during hospitalization: One or more des of a focal neurologic deficit lasting more than 30 seconds and no longer than 24 hours. It evolution of the symptoms to the maximal deficit in less than 5 minutes, with subsequent
Yes1	No □ 0	9.	(Mark	Good recovery – Patient can lead a full and independent life with or without minimal neurological deficit Moderately disabled – Patient has neurological or intellectual impairment but is independent Severely disabled – Patient conscious but dependent on others to get through daily activities Vegetative survival – Has no obvious cortical functioning Dead Unable to categorize stroke based on available case packet documentation sient ischemic attack requiring and/or occurring during hospitalization: One or more des of a focal neurologic deficit lasting more than 30 seconds and no longer than 24 hours. It evolution of the symptoms to the maximal deficit in less than 5 minutes, with subsequent letteresolution. No head trauma occurring immediately before the onset of the neurological event.

		10.2.	Diagnosis: (Mark one.)
			Carotid artery occlusion and stenosis without documentation of cerebral infarction
			Carotid artery occlusion and stenosis with written documentation of cerebral infarction
		10.3.	Carotid artery disease based on (Hospitalization <u>plus</u> one or more of the following): (Mark all that apply.)
			Symptomatic disease with carotid artery disease listed on the hospital discharge summary
			Symptomatic disease with abnormal findings (≥ 50% stenosis) on carotid angiogram or doppler flow study
			Uascular or surgical procedure to improve flow to the ipsilateral brain
es] ₁	No □ 0	11.	Peripheral arterial disease (aorta, iliac arteries, or below) requiring and/or occurring during hospitalization. Symptomatic disease including intermittent claudication, ischemic ulcers, or gangrene. Disease must be symptomatic and/or requiring intervention (e.g., vascular or surgical procedure for arterial insufficiency in the lower extremities or abdominal aortic aneurysm).
		11.1.	Date of Admission: (M/D/Y)
		11.2.	Diagnosis: (Mark the one category that applies best.)
			Lower extremity claudication
			Atherosclerosis of arteries of the lower extremities
			Arterial embolism and/or thrombosis of the lower extremities
			Abdominal aortic aneurysm (AAA)
		11.3.	Peripheral arterial disease based on: Defined by hospitalization <u>plus</u> one or more of the following: (Mark all that apply.)
			Ultrasonographically- or angiographically-demonstrated obstruction, or ulcerated plaque (≥ 50% of the diameter or ≥ 75% of the cross-sectional area) demonstrated on ultrasound or angiogram of the iliac arteries or below
			Absence of pulse by doppler in any major vessel of lower extremities
			Surgery, angioplasty, or thrombolysis for peripheral arterial disease
			amputation of one or more toes or part of the lower extremity because of ischemia or gangrene
			Exertional leg pain relieved by rest and at least one of the following: (1) claudication diagnosed by physician, or (2) ankle-arm systolic blood pressure ratio ≤ 0.8
			To Ultrasonographically- or angiographically-demonstrated abdominal aortic aneurysm
			8 Surgical or vascular procedure for abdominal aortic aneurysm
			Responsible Adjudicator Signature

NOTE: If this is a hospitalized event, Form 125 - Summary of Hospitalization Diagnoses must be completed and any other WHI outcomes adjudicated