Data Collection Forms

THE STRONG HEART STUDY – VI

CONTACT AND MEDICAL HISTORY

S I.I	D.:	_ 10	l	SHS Family I.D.:	FAMIDNO
1	**				
1.	Your name:	Last		First	Middle
2.	Date of Birth:	_/ Month Da			
3.	What is your ni	ckname/other na	ame:		
4.	If ever married,	, what was your	maiden name?		
5.	If married, wha	t is your spouse'	's name?		
	Last		First		Middle
6.	What is your cu	irrent mailing ad	ldress?		
a.			Street/P.	O Box	
1L				O. Box	
b.			City/tow	n	
c.					
7.	Is your resident	ial (physical) ad	ldress the same as	s above?	
		Yes	No	If no, what is your current	nt residential (physical) address
a.			Street/P.	O Pov	
b.			City/tow	n	
c.					
8.	What is your ho	ome telephone n	umber		
9.	What is your ce	ell telephone nun	nber		
		a allow tout ma	ssages	Check one box Yes _	No
10.	Does your phor	ie allow text me	C		
	-	ork or other tele	-		

in the	tuture:			
Contact #	1:	Name		
	PO Address	Residential (Physica	ıl) Address	
	City/Town		State, ZIP code	
	Phone with area code	Cell	e-mail addre	ess
Contact #2	2:	Name		
	PO			
	PO Address	Residential (Physica	· 	
	City/Town Phone with area code	Cell	State, ZIP code e-mail addre	200
	i none with area code	Cell	e-man addre	
MEDICAL C	ONDITIONS:			
14.	Gender: Female M	ale (informatio	n to be filled in by field st	raff) MEDHX6_14
15. To wh	ich IHS and non-IHS Hospit	al/Clinic do you usually	go? List the one you go	to most often first.
	tal/Clinic	,	IHS, chec	v v
ME	DHY6 15	ity: MEDHX6_16	_	MEDHX6_17
a	MEDUVE 10	MEDHY6	<u> </u>	
b	C1	MEDHX6_21	MEDHX6_22	MEDHX6_20 MEDHX6_23
16. What	is your current weight:		Current height / Feet	Inches
•	u have arthritis? Y=Yes, N=have you been told if it is rho	-	MEDHX6_24 MEDHX6_25	Y N U Y N U
	doctor or other health care precheck the appropriate box	•	at you have/had any of the	e following conditions
DHX6_26 a. Asthn	าล	Y N U	f. Liver disease	<u>MEDHX6</u> Y N U
DHX6_27 b. Lung	disease	Y N U	g. Gout	Y N U
DHX6_28 c. Retino	opathy/diabetes eye problem	Y N U	h. Kidney stones	Y N U MEDHX
DHX6_29 d. Are y	ou currently on dialysis	Y N U	i. Lupus/scleroderma	Y N U <u>MEDHX6</u>
OHX6_30 e. Have	you had a kidney transplant	Y N U	j. Diabetes/prediabetes	Y N U MEDH
a. Asthn DHX6_27 b. Lung DHX6_28 c. Retino DHX6_29 d. Are year	disease opathy/diabetes eye problem	Y N U Y N U Y N U	g. Gouth. Kidney stonesi. Lupus/scleroderma	Y

13. Please list two of your relatives or friends not living with you who would be able to help us find you

		etes, what type of treatme	ent are you taking	g?				
	Insulin	Y N U	j3. Oral hypog	glycemic	pills	Y N	_ U	MEDHX6_38
MEDHX6_3 j2.]	Dietary and/or exercise	Y N U	j4. No Treatm	ent		Y N	_ U	MEDHX6_39
	Have you ever been tole	d you have high blood pr	essure?			Y N	_ U	MEDHX6_40
19.	Have you ever been pre	escribed medications for l	nigh blood press	ure?		Y N	_ U	MEDHX6_41
20.	E-cigs are battery power	red devices that provide	inhaled doses of	nicotine	. Have y	ou ever used	l	
	e-cigs (electronic cigare	ettes)?				Y N	_ U	MEDHX6_42
21.	Since your last SHS ex	am, have you had a heart	attack, heart fail	lure or ar	ny proble	ems with you Y N		MEDHX6_43
	If so, which hospital or	clinic took care of you?				1 1	∪	WEDTIXO_10
	_					MEDUVE	15	
	Hospital/Clinic:	DHX6_44			_City:	MEDHX6	_45	
22.	•	am did you have a stroke	, a mini-stroke o	r TIA?		Y N	_ U	MEDHX6_46
	If so, which hospital or	clinic took care of you?						
	Hospital/Clinic:	DHX6_47			_City:	MEDHX6	_48	<u> </u>
	Did you receive rehab a	at a clinic, inpatient or oth	ner facility?			Y N	_ U	MEDHX6_49
	Hospital/Clinic/other fa	cility: MEDHX6_450]		_City:	MEDHX6_	51	
23.	•	der ever told you that you 25; Male skip to questic		er? Y X6_52	_ N U	U (If N o	or Unkno	own:
	If "VFS" what type is/	was it? Check all that ap	nly from the foll	lowing li	ct•			
MEDITIVO FO	a. Breast	was it: Check an that ap	f.			/Bladder		MEDHX6 58
MEDHX6_53		uterus	g.		Liver	Biadaci		MEDHX6 59
MEDHX6_54 MEDHX6_56	1 1 2		h.			/ Throat		MEDHX6_60
MEDHX6_63			i.			oma and/or S	Skin cancer	MEDHX6_62
MEDHX6_55		Rectum	j.			or immune s		MEDHX6_64
MEDHX6_57	k. Cher,	not on this list:						MEDHX6_61
		ame of health care provid	ler or hospital w	•		received car	ncer care:	
	MEDHX	6_65		_City:	VILI	J⊓⊼0_00]		
	If yes, did you have an	operation or biopsy for th	ne cancer?			Y N	_ U	MEDHX6_67
	If yes, where? Hospital/Clinic:	EDHX6_68		_City:	ME	DHX6_69		<u></u>
	If yes, did you receive a	any chemotherapy and/or	radiation therap	y?		Y N	_ U	MEDHX6_70
	If yes, where? Hospital/Clinic:	MEDHX6_71		City:	MEDI	HX6_72		

Female Participant only:	
24. How many pregnancies have you had? MEDHX6_73	
25. How many live births have you had? MEDHX6_74	
26. Did you have a still birth (last 3 months of pregnancy)?	
(last 3 months of pregnancy): Y N U MEDHX6	75
If yes, when? MEDHX6_76a Month Year MEDHX6	_76k
27. During your first pregnancy , were you told that you had any of the following conditions and check all the complications that occurred:	
	6_8
MEDHX6_79 b. high blood pressure Y N U	
MEDHX6_80 c. high blood pressure along with protein in your urine $Y _{N _{N _{N _{N _{N _{N _{N _{N _{N _{N$	
Please provide date of delivery for first pregnancy: _/ / / / Median Me	
Hospital of delivery: City: MEDHX6_84	
28. Was there any other pregnancy complicated by pre-eclampsia (toxemia) or high blood pressure?	
Y N U MEDHX	6_8
If yes, please list one pregnancy that was complicated by these conditions	
Date of delivery: _ / / _ _ MEDHX6_86 Month Day Year	
Hospital of delivery: MEDHX6_87 City: MEDHX6_88	
Check all complications that occurred:	
MEDHX6_89 a. pre-eclampsia (toxemia) Y N U d. diabetes (gestational diabetes) Y N U MEDHX	6_9
MEDHX6_90 b. high blood pressure Y N U	
MEDHX6_91 high blood pressure along with protein in your urine Y N U U	
29. Interviewer code (administrative use only):	DE
30. Interview date: _/ / NT_DATE Month day year]

THE STRONG HEART STUDY – VI

Diabetes Ascertainment

SHS I.D.: DNO
14. Diagnosis of diabetes established by prior SHS or SHSS exam, 1=Yes (skip to Q9), 2=No DIAB6_1 15. No medical records available, 1=Yes (skip to Q9), 2=No DIAB6_2
16. Diagnosis made by the abstractor (check all that apply)
Diabetes DIAB6_3a
Gestational diabetes only (skip to Q9)
Diabetes not mentioned in medical records (skip to Q9)
Diabetes mentioned but no supporting evidence in medical records
17. Date of first mention of diabetes (not gestational diabetes)
18. FASTING PLASMA GLUCOSE \geq 126 mg/dL First FPG \geq 126 mg/dL DIAB6_5a mg/dL DIAB6_5b Date (mm/yyyy) DIAB6_5c N/A
19. HEMOGLOBIN A1c \geq 6.5% DIAB6_6c DIAB6_6b Date (mm/yyyy) N/A
20. 2-HOUR PLASMA GLUCOSE DURING OGTT \geq 200 mg/dL First 2-H PG \geq 200 mg/dL DIAB6_7a Mg/dL DIAB6_7b Date (mm/yyyy) $\frac{DIAB6_7c}{N/A}$
21. Treatment for diabetes. Check all that apply DIAB6_8a DIAB6_8b DIAB6_8c DIAB6_8d DIAB6_8e DIAB6_8e
22. SHS staff code: REV_CODE 23. Abstraction date: REV_DATE Month Month Month Month

Procedures to ascertain diabetes status since last SHS exam:

- a. SH Family Study: Ascertain diabetes status in the SH Family Study up until the last exam.
- b. SH cohort that were in the SH Stroke Study: Go back to the last SH Stroke exam and use the available fasting glucose measurements to aid in the ascertainment of diabetes status.
- c. SH cohort NOT in the SH Stroke Study: Perform chart review until the last exam.

MORBIDITY SURVEY

Medical Records Abstract Checklist for Non-Fatal CVD Events or Procedures

ID	ID number:						
<u> </u>	_						
1.	a Hoopital name:						
1.	a. Hospital name:						
	b. Hospital location						
2.	Date of ADMISSION to this hospital or date of this C	OUTPATIENT visit:					
		/ _					
3.	Date of discharge:	/ _ / month day year					
4.	Was the patient transferred to or from another acute	care hospital?					
	Yes 1 (be sure information is listed on M&M	master list form) No 2					
the	the ICD-9 or ICD-10 code numbers for the hospital disc e medical record exactly as they appear on the front shamary. Be sure they are ICD-9 codes. Record diagno	eet of the medical record and/or on the discharge					
Ind	licate which code numbers entered: ICD-9 1 or	ICD-10 2					
	1. •	9. •					
	2. •	10. •					
	3. •	11. •					
	4. •	12. _ •					
	5. •	13. •					
	6. •	14. •					
	7. _ •	15. •					
	8. •	16. •					

5.

RENAL DIALYSIS AND KIDNEY TRANSPLANT

6.	Has the participant received a kidney transplant?	Yes _	1	No 2	
	If yes, was the transplant done this admission?		Yes _	1	No 2
	If no, date of first transplant:		_ / nonth	<u> / </u> day	_ year
7.	Was the participant receiving kidney dialysis during this	hospital c	or outpatie	nt visit?	
	Yes 1 No	_ 2			
	If yes, was dialysis started during this admission?		Yes _	1	No 2
sind	ain the following medical records (when available) for the ce this participant's last morbidity chart review (and the that photocopies are legible.		-	-	
		YES	NO	DONE, No Report	
Adn	nission Sheets (Face Sheets), including Diagnoses				
Adn	nitting History and Physical Exam				
Disc	charge Summary				
EC	Gs (see instruction)				
Car	diac enzyme report (days 1 to 4)				
Neu	rology Consult Report				
Rep	ports of Procedures:				
1.	Echocardiogram				
2.	Coronary angiogram				
3.	Exercise tolerance test (Treadmill)				
4.	Cardiac catheterization				
5.	Coronary bypass				
6.	Coronary angioplasty				
7.	Swan-Ganz catheterization				
8.	Intracoronary or I.V. streptokinase, or TPA reperfusion				
9.	Aortic balloon pump				
10.	Radionuclide scan				
11.	CAT or CT of the head				
12.	Magnetic Resonance Image (MRI) of the head				
13.	Carotid ultrasound/Doppler				
14.	Lumbar puncture				

MORBIDITY SURVEY – DECISION

ID r	numbei	. .			_ _	_ _	_	IDNO	
Dat	e of thi	s event:	 month	_ / n da	/ ay	_ _	_ year	DOE	
A.	DIA	GNOSIS (enter appropriate code number):							
	01.	Definite non-fatal myocardial infarction		DF6_1					
	1b.	Probable non-fatal myocardial infarction						DF6_2	
	02.	Possible non-fatal myocardial infarction						DF6_3	
	03.	Definite non-fatal stroke						DF6_4	
	04.	Possible non-fatal stroke						DF6_5	
	06.	Definite CHD						DF6_6	
	07.	Possible CHD (those with some, but not all, criteria or for definite CHD)	with equiv	vocal cr	iteria		_	DF6_7	
	08.	TIA						DF6_8	
	09.	Other CVD, specify:				-	_	DF6_9	
	10.	Non–CVD, specify:				-		DF6_10	
	11.	ESRD (dialysis or transplant):				-	_	DF6_11	
	12.	Heart Failure (Please fill out the HF PROCEDUR	E FORM))			_	DF6_12	
B.		eria used:							
1.	MYC	OCARDIAL INFARCTION (Please check all applicable	criteria)						
		efinite MI						DF6_13	
		1. Evolving diagnostic ECG*, or						DF6_14	
	2.	Diagnostic biomarkers (2 x ULN)*						DF6_15	
	B. Pr	obable MI						DF6_16	
	1.	Positive ECG findings plus cardiac symptoms or signs available biomarkers, or	without					DF6_17	
	2.	Positive ECG findings plus equivocal biomarkers						DF6_18	

15.	Angiography (including vessels in the lower extremities)	<u> </u>							
16.	Peripheral Angioplasty (lower extremity vessel(s))								
17.	Surgical revascularization of peripheral vessel(s))								
18.	Amputation								
19.	Chest X-ray								
20.	Carotid endarterectomy								
21.	CAT or CT of abdomen or other part of the body								
22.	MRI of abdomen or other part of the body								
23.	Other, specify:								
Be sure to include Tracking Sheet in the packet									
	MINISTRATIVE INFORMATION: S staff code:								
Cor	npletion date:	/ / _ _ _ month day year							

C	C. Po	ssible MI	<u> </u>	DF6_19
	2.	Equivocal biomarkers plus nonspecific ECG findings, or Equivocal biomarkers plus cardiac symptoms or signs, or Missing biomarkers plus positive ECG	 _	DF6_20 DF6_21 DF6_22
* For	ECG a	and cardiac biomarker definition, please refer to: SHS VI Manual, Section 2.3. DF6_23		
COM	1MEN	TS:		_
				_
2.	ST	ROKE		_
A	A. Def	inite non-fatal stroke		DF6_24
	1.	Stroke of unknown type etiology: Definite stroke of unknown etiology when CT or MRI not done. Information is inadequate to diagnose ischemic (infarction), intracerebral hemorrhage, or subarachnoid hemorrhage.	<u> </u>	DF6_25
	2.	Definite ischemic stroke: CT or MRI scan within 14 days of onset of a focal neurological deficit lasting more than 24 hours with evidence of brain infarction (mottled cerebral pattern or decreased density in a defined vascular territory), no intraparenchymal or subarachnoid hemorrhage by CT/MRI, (or lumbar puncture if done). A nonvascular etiology must be absent.		DF6_26
	3.	Definite primary intracerebral hemorrhage: Focal neurological deficit lasting more than 24 hours. Confirmation of intraparenchymal hemorrhage in a compatible location, not caused by trauma, with CT/MRI scan within 14 days of stroke.	<u> </u>	DF6_27
	4.	Subarachnoid hemorrhage: Sudden onset of a headache, neck stiffness, loss of consciousness. There may be a focal neurological deficit, but neck stiffness is more prominent. Blood in the subarachnoid or intraventricular space by CT/MRI - not caused by trauma.	<u> </u>	DF6_28
	5.	Non-fatal stroke after cardiovascular invasive interventions: Stroke associated with the intervention within 30 days of cardiovascular surgery, or within 7 days of cardiac catheterization, arrhythmia ablation, angioplasty, atherectomy, stent deployment or other invasive coronary or peripheral vascular interventions.		DF6_29
	6.	Non-fatal stroke post non-cardiovascular surgery: Stroke occurring within 30 days of non-cardiovascular surgery.		DF6_30
Е	3. Po	ssible non-fatal stroke		DF6_31
	a.	History or rapid onset (approximately 48 hours from onset to time of admission or maximum acute neurologic deficit) of localizing neurologic deficit and/or change in state of consciousness, and		DF6_32
	1b	Documentation of localizing neurologic deficit by unequivocal physician or laboratory finding within 6 weeks of onset with 24 hours duration of objective physician findings, or		DF6_33
	2a	Discharge diagnosis with consistent primary or secondary codes (ICD-9-CM codes 431, 432, 434, 436, 437), and		DF6_34

	other	dis	ease pro	nequivocal physician or laboratory findings of any cess or event causing focal brain deficit or coma other than or hemorrhage according to hospital records.	<u> </u> _	_	D	F6_35
C.	Ischemic	str	oke subty	pe classification (complete for cases of definite ischemic stroke).	DI	F6_3	6	
]]	1.	Large-artery atherosclerosis: Clinical and brain imaging findings of significant (>50%) stenosis or occlusion of a major brain artery or cortical artery, presumably due to atherosclerosis, and clinical find cerebral cortical impairment (aphasia, neglect, restricted motor involvement, etc.) or brain stem or cerebellar dysfunction. A historical diagnosis is carotid bruit, or diminished pulses helps supportinical diagnosis. Cortical or cerebellar lesions and brain stem or subcortical hemispheric infarcts greater than 1.5 cm in diameter or or MRI are considered to be of potential large-artery atherosclerotical Supportive evidence by duplex imaging or arteriography of a stenogreater than 50% of an appropriate intracranial or extracranial arteriogenic embolism. The diagnosis of stroke secondary to large atherosclerosis cannot be made if duplex or arteriographic studies normal or show only minimal changes.	braing: ry o ort the Coosis ery i	nch s of f inte he T rigin of s		ittent
				*Probable DF6_36a *Possible DF6_36b				
]]	2.	Cardioembolism: Patients with arterial occlusions presumably due embolus arising in the heart. Cardiac sources are divided into high and medium-risk groups based on the evidence of their relative profor embolism. At least one cardiac source for an embolus must be for a possible or probable diagnosis of cardioembolic stroke. Clinic brain imaging findings are similar to those described for large-arteratherosclerosis. Evidence of a previous TIA or stroke in more than vascular territory or systemic embolism supports a clinical diagnostic cardiogenic stroke. Potential large-artery atherosclerotic sources thrombosis or embolism should be eliminated. A stroke in a patier medium-risk cardiac source of embolism and no other cause of strokesified as a possible cardioembolic stroke.	h-risope e ide cal ry n or sis c of nt w	sk ensiti entifi and ne of	es ed	PF6_37
				*Probable DF6_37a *Possible DF6_37b				
]]	3.	Small-artery occlusion (lacune): Patients whose strokes are often as lacunar infarcts in other classifications. The patient should have the traditional clinical lacunar syndromes and should not have evid cerebral cortical dysfunction (aphasia, neglect, restricted motor in A history of diabetes mellitus or hypertension supports the clinical The patient should also have a normal CT/MRI examination or a restem or subcortical hemispheric lesion with a diameter of less than 1.5 cm demonstrated. Potential cardiac sources for embolism be absent, and evaluation of the large extracranial arteries should demonstrate a stenosis of greater than 50% in an ipsilateral artery	e o den olv dia elev n sl not	ne o ce of reme agno: vant l	f nt, sis. bra	•
				*Probable DF6_38a				
				* A probable diagnosis is made if the clinical findings, neuroimagi and results of diagnostic studies are consistent with one subtype a etiologies have been excluded. A possible diagnosis is made who	and	othe		

				other studies are not done.	a but	
			[] 4.	Acute stroke of other determined etiology: Patients with rare cause stroke, such as non atherosclerotic vasculopathies, hypercoagula or hematologic disorders. Patients in this group should have clinic or MRI findings of an acute ischemic stroke, regardless of the size Diagnostic studies such as blood tests or arteriography should revithese unusual causes of stroke. Cardiac sources of embolism an large-artery atherosclerosis should be excluded by other studies.	able states, cal and CT e or location. veal one of	
			[] 5.	Stroke of undetermined etiology: In several instances, the cause of cannot be determined with any degree of confidence. Some patieno likely etiology determined despite an extensive evaluation. In a is found but the evaluation was cursory. This category also include two or more potential causes of stroke so that the physician is unafinal diagnosis. For example, a patient with a medium-risk cardiac embolism who also has another possible cause of stroke identified classified as having a stroke of undetermined etiology. Other exa a patient who has atrial fibrillation and an ipsilateral stenosis of 50 patient with a traditional lacunar syndrome and an ipsilateral cardiacter to 50%.	ents will have others, no cause des patients with able to make a c source of d would be amples would be 10%, or the	39a
CON	/MEN	TS:	DF6_40			
3.	DEF			Y HEART DISEASE (CHD)		
	a.	Car	diac cath prov	ren coronary artery disease (1 or more vessels ≥ 50% stenosis), or	DF6_40	
	b.	PT	CA, or		DF6_42	
	C.	Cor	onary artery b	ypass grafting, or	l DF6_43	
	d1.	Abr	normal stress I	ECG, and	l DF6_44	
	d.2.	Abr	normal imagin	g, or	Ll DF6_45	
	e.	Pos	sitive functiona	al test of ischemia (such as treadmill)	DF6_46	
CON	имеn	TS.	DF6_47			
201	 •					

4. HEART FAILURE (if yes, fill out Heart Failure form)

Major criteria

a.

Two major criteria or one major and two minor criteria:

		 [] ii. Paroxysmal nocturnal dyspnea or Orthopnea DF6_48 [] ii. Neck vein distention DF6_49 [] iii. Rales DF6_50 [] iv. Cardiomegaly DF6_51 [] v. Acute pulmonary edema DF6_52 [] vi. S3 gallop DF6_53 [] vii. Increased venous pressure >16cm water DF6_54 [] viii. Circulation time ≥ 25 seconds DF6_55 [] ix. Hepatojugular reflux DF6_56
	b.	Minor criteria [] i. Ankle edema DF6_57 [] ii. Night cough DF6_58 [] iii. Dyspnea on exertion DF6_59 [] iv. Hepatomegaly DF6_60 [] v. Pleural effusion DF6_61 [] vi. Vital capacity reduced by one-third from maximum DF6_62 [] vii. Tachycardia (rate of ≥ 120/min.) DF6_63
	C.	Major or minor criteria [] i. Weight loss > 4.5kg in 5 days in response to treatment DF6_64 AND
	d.	[] No known non-cardiac process leading to fluid overload such as renal failure
COMMENTS:		
5. OTHER [] [] [] [] [] []	a. b. c. d. e. f. g. h. i.	Purposely left blank – CHF moved to #4 above CHF secondary to ESRD (diagnosis = 10) DF6_67 Cardiomyopathy DF6_68 Valvular Heart Disease DF6_69 Left Ventricular Hypertrophy DF6_70 Atrial Fibrillation DF6_71 Non-coronary heart surgery or carotid or other vascular surgery (does not include DF6_72 procedures for PVD) Pacemaker implantation DF6_73 Positive non-coronary angiography (does not include procedures for PVD) DF6_74 Arrhythmia DF6_75

	oronary or peripheral vascular procedure done, fill out CVD Test Procedures form or escular Procedure form.	
COMMENTS:	DF6_79	
ADMINISTRATE Reviewer code		REV_CODE

MORBIDITY SURVEY

Cardiovascular Test Procedures Abstract

ID nur	mber:			I_		_
1.	WAS CATHETERIZATION/ANGIO	OGRAM DONE? (Go to Q18)	2	∕es, but no re	eport 3	
2.	If YES, When?		1	/ month	_ / day	 year
3.	Where: Hospital/Clinic	n			City/State	
		S			Oity/Otato	
Was A	Any Vessel ≥ 50% Stenotic in		Yes	No	Uncertain	Unknown
4.	Left Main:		1	2	8	9
5.	Left anterior descending:		1	2	<u> </u> 8	9
6.	Right coronary:		1	2	8	9
7.	Circumflex artery:		1	2	8	9
8.	Ejection Fraction (%):				_	_
	777= normal, % not specifi 999=unknown/no response		normal, % ı	not specified		
9.	Left Ventricular Function: Nor	mal 1	As	sessed, resu	ılts not specifie	ed 3
	Dep	oressed 2	No	t assessed	(Go to Q17)	9
10.	Was Akinetic Wall Observed?					
	Yes 1 No (Go to Q1	5) 2	Uncerta	ain 8	Unkn	own 9
			Yes	No	Uncertain	Unknown
11.	Anterior:		1	2	8	9
12.	Inferior:		1	2	8	9
13.	Apex:		1	2	8	9
14.	Diffuse:		l l1	2	l l8	l l9

Findir	ng of Valvular Function:	Yes	No	Uncertain	Unknown
15.	Mitral regurgitation:	1	2	8	9
16.	Aortic regurgitation:	1	2	8	9
17.	Was Angioplasty performed?	1	2	8	9
18.	WAS COMPUTED TOMOGRAPHIC CALCIUM SO	CORING	DONE?		
	Yes 1 No (Go to Q22	?) 2		Yes, but no re	eport 3
19.	If YES, When?		_ / _ month	/ day	 year
20.	Where: Hospital/Clinic			City/State	
21.	Agotston score:				1 1
22.	WAS TREADMILL EXERCISE TEST DONE?				
	Yes 1 No (Go to Q29)) 2		Yes, but no re	enort I Is
23.	If YES, When?	7 -	1 1 1/1	1 1/1 1	
20.	ii 120, when:		month	——I——I/I——I— day	—-l——l——l year
24.	Where:			City/State	
25.	Treadmill ECG:			Oity/Otate	
20.	Normal 1 Borderline 2 Abnormal	l3	Inconclusive _	8	oort 9
26.	Maximum heart rate (beats/minute):	·	999=no report		
27.	Maximum systolic blood pressure (mmHg):		999=no report	<u> </u>	
28.	Treadmill time (round to nearest whole number min		99=no report	 	
29.	WAS THALLIUM TEST, OR OTHER NUCLEAR II		·	ı	I
23.				oo but no rong	ort I lo
		9 2	10	es, but no repo	лт <u> </u> 3
30.	If YES, When?		/ month	/ _ day	 year
31.	Where:				
	Hospital/Clinic			City/State	
32.	What Stress: Exercise 1 Adenosine 2 [Dobutami	ine 3 Othe	er Drug 4	
33.	Test results: Positive 1 Negative	2 Equ	uivocal 3	No repor	rt 9
The Stro	ong Heart Study VI - 12/30/2014 Page 31			Cardiac	Procedure Form

MORBIDITY SURVEY PERIPHERAL VASCULAR PROCEDURES/REVASCULARIZATION ABSTRACT

ID nu	ımber:						
1.	Was	periph	eral angiogram (ICD-	9 procedure c	ode 88.48) (done?	
	•	Yes	_ 1 No 2 (G e	o to Q2) Yes,	but no repor	t 9	
	a.	If yes	: Contrast angiogram	MR :	angiogram	CT an	giogram
	b.	If yes	, when?		-	/ / _ month day	 year
	C.	Whe	re:				
	d.	Was	any vessel ≥ 50% ster	notic?			
		i.	Aorta:	Yes 1	No 2	Uncertain 8	Unknown 9
			If yes, which side?	Right	Left	Both	
		ii.	Iliac:	Yes 1	No 2	Uncertain 8	Unknown 9
			If yes, which side?	Right	Left	Both	
		iii.	Femoral:	Yes 1	No 2	Uncertain 8	Unknown 9
			If yes, which side?	Right	Left	Both	
		iv.	Popliteal or lower:	Yes 1	No 2	Uncertain 8	Unknown 9
			If yes, which side?	Right	Left	Both	
		V.	Carotid stenosis	Yes 1	No 2	Uncertain 8	Unknown 9
			If yes, which side?	Right	Left	Both	
	e.	Was	there evidence of previ	ious revascula	rization? Y	es 1	No 2
2.	Was	periphe	eral angioplasty or su	rgical revascı	ularization d	one?	
			angioplasty 1 .9 procedure code 39.	50)		scularization 3 ocedure code 39.25	and 39.29)
		No	2 (Go	to Q3)	Yes, but r	no report 9	

ADMINISTRATIVE INFORMATION:

34. Reviewer code |__|__|

35. Review date: |__|_|/|__|/|_|_| month day year

	a.	If yes, when?		_ / / _ / _
	b.	Where:		
3.	Was	amputation (ICD-9 procedure co	odes 84.10 – 84	.19) performed?
		Yes 1 No	2 (Go to Q4.)	Yes, but no report 9
	a.	If yes, which side? Right	Left	Both
	b.	Which part?		
		Upper body, Arm=1, H	and=2, Fir	nger=3,
		Lower body, Above knee=1, Foot=3,	Below kne Toe(s)=4	e=2
	b.	When:	<u> </u>	_ / /
	C.	Where:		
4.	Was	carotid angioplasty/stenting do		Voc. but no report l
				Yes, but no report 9
	a.	If yes, which side? Right	Lett	Botn
	b.	If yes, when?		/ / _
	C.	Where:		
5.	Was	carotid endarterectomy done?		
		Yes 1 No	2 (Go to end.)	Yes, but no report 9
	a.	If yes, which side? Right	Left	Both
	b.	When:	<u> </u>	_ / / _ _ month day year
	C.	Where:		
		ATIVE INFORMATION:		1 1 1 1
5.		ewer code:		
6.	Revie	ew date:		/

Instructions: The same procedures used for the ongoing surveillance in each center should be used, including evaluation of clinic charts and/or use of the IHS computerized records as well as direct contact with participants when necessary.

The purpose of this study is to derive an estimate of the proportion of participants who have undergone diagnostic or therapeutic procedures documenting definite lower extremity peripheral arterial disease since the Phase III SHS examination, and the proportion thereof for whom the necessary records are still available. Therefore, medical records for hospitalizations or outpatient encounters dealing with the diagnostic or procedural codes listed below and occurring since 1 January 1998 should be requested and reports of the procedures of interest should be obtained. Earlier events that correspond to the same procedures should be noted but charts need not be abstracted.

The following diagnostic codes should be identified:

For Peripheral Angiograms: ICD-9 procedure code **88.48** For Peripheral Angioplasty: ICD-9 procedure code **39.50**

For Peripheral Surgical Revascularization: ICD-9 procedure codes 39.25 and 39.29

For Amputation: ICD-9 procedure codes **84.10-84.19** For Carotid Endarterectomy: ICD-9 procedure code **38.12**

For Angioplasty: ICD-9 procedure code **00.61** For Stenting: ICD-9 procedure code **00.45**

HEART FAILURE PROCEDURES

SH	S ID: Date of Event:
Α.	ATRIAL FIBRILLATION AT TIME OF HF? Yes 1 No 2 Unknown 9
B.	WHICH IMAGING STUDY WAS PERFORMED DURING THIS ADMISSION? Please check ALL that were done. If more than one imaging study was done in the same admission, please use one of these forms for EACH IMAGING STUDY to record the results of that study.
	1 Echocardiogram
	2 Nuclear Imaging
	3 Invasive Angiogram
	4 CT Angiogram
	5 MRI Angiogram
	6 Other, Specify:
	7 Not sure, no results found in chart
	8 None
lf r	not sure or none, skip to Q8.
1.	Name of test:
2.	Date of test: _ / / _ _ month day year
3.	Facility name:
	City/State:
4.	Ejection fraction: Measured: % Estimated: %
	If % not stated, 777 = normal, or range \geq 50% 888 = abnormal, or range $<$ 50% 999 = unknown/no response
5.	Ejection fraction interpretation: Normal 1 Depressed 2 NR 9
6.	Segmental wall motion abnormalities? Yes 1 No 2 NR 9
	If yes, degree of abnormality: Mild 1 Moderate 2 Severe 3 Unknown 9
7.	Transmitral time: E Velocity:cm/sec A Velocity: cm/sec Peak E/A Ratio:
	Decel. Time:msec

SHS ID: _ _ _			
8. Valvular disease?	Yo	es 1	No 2 Unknown 9 If No or Unknown, go to Q9.
If Yes,			
 a. Mitral regurgitation/insufficience 	cy:		
1+ 1 2+ 2	3+ 3	4+ 4	Unknown 9
b. Mitral stenosis:	Mild 1 Mode	erate 2	Severe 3 Unknown 9
c. Aortic regurgitation/insufficiend	CV:		
1+ 1	-	4+ 4	Unknown 9
d. Aortic stenosis:	Mild 1 Mode	erate 2	Severe 3 Unknown 9
e. Tricuspid regurgitation: 1+ 1 2+ 2	3+ з	4+ 4	Unknown 9
9. Right ventricular systolic pressure/ If not stated, 777 = normal 888 = a			
C. B-TYPE NATRIURETIC PEPTIDE (B	T-BNP):	_pg/ml. Up	per Limit of Normal:pg/ml
N-TYPE NATRIURETIC PEPTIDE (N	T-BNP):	_ pg/ml. Up	per Limit of Normal:pg/ml
D. CARDIOMYOPATHY DIAGNOSIS:	Ischemic:	Non-Ische	mic: Hypertrophic:
	Valvular disease	: Acute	e MI: NR 9
	No cardiomyopa	thy	
Reviewer Code:	Revie	ew Date: mo	/

CHECKLIST FOR MEDICAL RECORDS REVIEW MORTALITY SURVEILLANCE -- CVD and NON-CVD

Admi	ssion dat	te: / mo day year	ID Number: _ _
	ollowing		ath, obtain electronic records or photocopies of each of assemble them for each admission. Be sure that
1.	a.	Hospital name:	
	b.	Hospital location	
2.	Date of	of discharge:	month day year
3.	medic		scharge diagnoses and procedure codes recorded in the the medical record and/or on the discharge summary.
	Indica	ate which code numbers entered: ICD-9 1 or I	CD-10 2
	1.	<u> </u>	8. _ •
	2.	<u> </u>	9. •
	3.	<u> </u>	10 •
	4.	•	11. •
	5.	•	12.
	6.	•	13 •
	7.	<u> </u>	14. •
RENA	AL DIAL	LYSIS AND TRANSPLANT	
Provid	le answer	rs to Question 4 only for the last admission within 12 mor	on this prior to death.
4.	Was t	the participant receiving kidney dialysis during this ho	spital visit? Yes 1 No 2
	If yes.	, was dialysis started during this admission?	Yes 1
	Did p	articipant request stopping dialysis during this hospita	lization? Yes 1 No 2
5.	Has tl	his participant ever had a kidney transplant?	Yes 1

6. <u>FOR MORTALITY REVIEW:</u> Obtain the following medical records (when available) for this final admission. In addition, obtain these medical records for each hospitalization WITHIN the YEAR prior to death (and <u>assemble them for each admission</u>).

<u>FOR MORBIDITY REVIEW:</u> Obtain the following medical records (when available) for each hospitalization or outpatient visit since this participant's last morbidity chart review (and <u>assemble them for each admission</u>). Be sure that photocopies are legible.

	YES	NO	DONE, No Report
Admission Sheets (Face Sheets)	1	<u> </u> 2	9
Admitting History and Physical Exam	1	<u> </u> 2	<u> </u> 9
Discharge Summary	1	2	<u> </u> 9
ECGs	1	2	<u> </u> 9
Cardiac Enzyme (including Troponin)	1	<u> </u> 2	<u> </u> 9
Reports of results of:			
Chest X-ray	1	2	<u> </u> 9
Echocardiogram	1	<u> </u> 2	<u> </u> 9
Angiogram	1	<u> </u> 2	<u> </u> 9
Exercise tolerance test (Treadmill)	<u> </u> 1	<u> </u> 2	<u> </u> 9
Cardiac catheterization	1	<u> </u> 2	<u> </u> 9
CT (CAT) scan	<u> </u> 1	<u> </u> 2	<u> </u> 9
MRI	1	<u> </u> 2	<u> </u> 9
Carotid ultrasound	1	2	<u> </u> 9
Lumbar puncture	<u> </u> 1	<u> </u> 2	<u> </u> 9
Creatinine	<u> </u> 1	<u> </u> 2	<u> </u> 9
Liver Function test	1	<u> </u> 2	<u> </u> 9
Pathology	<u> </u> 1	<u> </u> 2	<u> </u> 9
Cultures	1	2	9

Laboratory results, SPECIFY:					
		1		2	9
		1		<u> </u> 2	9
		1		2	9
Operative reports:					
Coronary bypass	1		2	<u> </u>	_ 9
Angioplasty		1		<u> </u> 2	9
Swan-Ganz catheterization		1		2	9
Non-CVD operation		1		2	9
For terminal Event Only:					
Ambulance report		1		2	9
ER Admission and Discharge Summary		1		2	9
Any clinical notes regarding DOA		1		2	9
Autopsy Report/ Coroner's Report		1		2	9
From IHS clinic chart (if available), photocopy notes and test results from the most recent visit prior to death		1		2	9
etor Number					
ostract completed:	 m	_ / _ nonth	/ <u> </u> day	year	

MORTALITY SURVEY – FINAL DECISION

ID number:	<u> </u>		IDNO
Date of death: _ / / / gear	DOD Age at death	n: <u> </u>	AOD
A. Cause of death, choose from the list below:			
Cause of death: _	FD6_1		
Contributory cause of death 1:	FD6_2		
Contributory cause of death 2:	FD6_3		
01 = Definite myocardial infarction 1a = Probable myocardial infarction 02 = Definite sudden death due to coronal 03 = Definite coronary heart disease 04 = Possible coronary heart disease 05 = Definite stroke 06 = Possible stroke 07 = Definite congestive heart failure 08 = Possible congestive heart failure 09 = Other cardiovascular diseases, speci	fy:FD6_4	ce code:	
	Evidence Code: (up to 3 Codes)	FD6_5 _ FD6_	6
21 = Malignant neoplasm; primary site:FD6_8 22 = Unintentional injury and adverse effects/MVA 23 = Unintentional injury and adverse effects/all other 24 = Chronic obstructive pulmonary disease and allied conditions 25 = Pneumonia and influenza 26 = Diabetes mellitus 27 = Chronic liver disease and cirrhosis 28 = Suicide 29 = Homicide and legal intervention 30 = Nephritis, nephrotic syndrome and nephrosis 31 = ESRD 32 = Septicemia 33 = HIV/AIDS 88 = Other, specify:FD6_10 99 = Can not be determined.	01 = Pathology Report 02 = Clinical Diagnosis only 03 = Pulmonary function te 04 = Blood glucose test 05 = Abnormal liver function 06 = Abnormal kidney func 07 = Positive culture (blood 08 = Positive antibody test 09 = Positive blood test (and 10 = Autopsy 11 = Police/Coroner's invest 12 = Other medical records Specify:FD6_9	st n tests tion test I or sputum) ny type) stigation	
Was the death alcohol related? Yes 1	No 2	Unknown 9	FD6_

MORTALITY SURVEY PACKET CHECKLIST

ID nui	mber:	_			
1.	Death Certificate	Yes 1	No 2		
2.	Autopsy performed	Yes 1	No 2		
3.	Autopsy report	Yes 1	No 2		
4.	Medical Records Checklist	Yes 1	No 2		
5.	Copy reports as specified	Yes 1	No 2		
6.	Check if the decedent is eligible for the morbidity survey and proceed as required by the morbidity survey protocol.	d Yes 1	No 2		
7.	Check if tracking form was sent	Yes 1	No 2		
8.	Informant Interview Form	Yes 1	No 2		
9.	Was he/she in a nursing home at the time of death? Yes 1 No 2 Unknown 9				
10. Was he/she receiving care from a home hospice care program at the time of death? Yes 1 No 2 Unknown 9					
ADMINISTRATIVE INFORMATION: SHS staff code:					
Comp	eletion date:	/ / _ month day	 vear		

Crite	ria used for the	e cause of death: (Please check the appropriate boxe	es.)						
01.	Definite fatal myocardial infarction								
	[] 1(a)	Definite MI within 4 weeks of death by criteria:	Yes	No	FD6_12				
	OP	 Evolving diagnostic ECG*, or Diagnostic biomarkers (2 x ULN)* 	1 1	2 2	FD6_13 FD6_14				
	OR								
	[] 1(b)	Acute MI diagnosed by autopsy FD6_15							
	AND								
	[] 2.	No known non-atherosclerotic or noncardiac-athero was probably lethal according to death certificate, a records, or physician records.			FD6_16				
1a.	Probable fat	tal MI							
	[] 1.	Death within 28 days of hospital admission, cases	defined as:	FD6_26					
		D 500 ft	Yes	No					
	1a.	Positive ECG findings plus cardiac symptoms or si Without biomarkers, or	gns	1	<u> </u> 2 FD6_27				
	1b.	Positive ECG findings plus equivocal biomarkers	<u> </u>	1	₂ FD6_28				
		OR							
	[] 2.	Death within 6 hours of hospital admission with car symptoms and/or signs. Other confirmatory data (biomarkers, ECG) are absent or non-diagnostic.	diac	1					
* For	ECG and cardi	iac biomarker definitions, please refer to: SHS VI Manu	al, Section 2.3.						
02.	Definite sudden death due to CHD								
	[] 1.	Death witnessed as occurring within 1 hour after the symptoms (prolonged cardiac pain, shortness of bre hour after the subject was last seen without symptom	eath, fainting) c						
	AND								
	[] 2.	No documentation of acute MI within 4 weeks prior	to death. F	06_31					
	AND								
	[] 3.	No known non-atherosclerotic or noncardiac-athero was probably lethal according to death certificate, a records or physician report.	•		FD6_32				

В.

03.	De	efinite fatal (CHD
	[[[] 1.] 2.] 3.] 4.	Death certificate with consistent underlying or immediate causes, AND FD6_33 No documentation of definite acute MI within 4 weeks prior to death, AND FD6_34 Criteria for sudden death not met (above), AND FD6_35 No known non-atherosclerotic or noncardiac-atherosclerotic process or FD6_36 event that was probably lethal according to death certificate, autopsy report, hospital records, or physician records,
	Al	ND	
	[] 5(a)	Previous history of MI according to relative, physician, or hospital records, FD6_37 OR
	[] 5(b)	Autopsy reporting severe atherosclerotic-coronary artery disease or old MI without acute MI (50% proximal narrowing of two major vessels or 75% proximal narrowing of one more vessel, if anatomic details given.), OR
	[] 5(c)	Death occurring greater than 1 and less than or equal to 24 hours after the onset of severe cardiac symptoms or after subject was last seen without symptoms (without meeting criteria for Probable MI), OR
	[] 5(d)	Angiogram reporting severe (≥ 50% narrowing) atherosclerotic coronary FD6_40 artery disease, <i>OR</i>
	[] 5(e)	Other positive physical signs or lab findings. FD6_41
04.	Po	ossible fatal	CHD
	[] 1.	No documentation by criteria of definite acute MI within 4 weeks prior to FD6_42 death, AND
	[] 2.	No documentation by criteria of definite sudden death, FD6_43
	[] 3.	No documentation by criteria of definite fatal CHD, FD6_44 AND
	[] 4.	Death certificate with consistent underlying or immediate cause, FD6_45 AND
	[] 5.	No known non-atherosclerotic or noncardiac-atherosclerotic process that was probably lethal according to death certificate, autopsy report, hospital records, or physician records.
05.	D	efinite fatal	stroke (also complete 6.1, 6.2 and Supplemental Form)
	[] 1a.	Cerebral infarction or hemorrhage diagnosed at autopsy, FD6_47
	[] 1b.	No other known disease process or event such as brain tumor, subdural hematoma, metabolic disorder or peripheral lesion that could cause focal neurologic deficit, with or without coma, according to death certificate, autopsy, hospital records, or physician records, OR

	[] 2a.	History of rapid onset (approximately 48 hours from onset to time to admission or maximum acute neurologic deficit) of focal neurologic deficit with or without change in state of consciousness, AND
	[] 2b.	Focal neurologic deficit within 6 weeks of death documented by unequivocal physician or laboratory findings with 24 hours duration of objective physician findings, AND
	[] 2c.	No other known disease process or event such as brain tumor, subdural hematoma, metabolic disorder, or peripheral lesion that could cause focal peurologic deficit, with or without coma, according to death certificate, autopsy, hospital records, or physician records,
06.	Possible (Und	documented) fatal stroke
	[] 1.	Death certificate consistent with underlying or immediate cause (ICD-9, code 431 – 437), but neither autopsy evidence nor adequate pre-terminal documentation of the event, AND
	[] 2.	No evidence at autopsy examination of the brain, if performed, of any disease process that could cause focal neurologic signs that would not be connected with cerebral infarction or hemorrhage. OR
	[] 3.	Focal neurological deficit and death within 24 hours, without MRI or other diagnostic image.
	Stroke subtyp	pe classification (complete for cases of definite fatal stroke).
	[] 1.	Stroke of unknown type etiology: Definite stroke of unknown etiology when CT or MRI not done. Information is inadequate to diagnose ischemic (infarction), intracerebral hemorrhage, or subarachnoid hemorrhage.
	[] 2.	Definite ischemic stroke: CT or MRI scan within 14 days of onset of a focal FD6_56
		neurological deficit lasting more than 24 hours with evidence of brain infarction (mottled cerebral pattern or decreased density in a defined vascular territory), no intraparenchymal or subarachnoid hemorrhage by CT/MRI. A nonvascular etiology must be absent.
	[] 3.	Definite primary intracerebral hemorrhage: Focal neurological deficit lasting more than 24 hours. Confirmation of intraparenchymal hemorrhage in a compatible location, not caused by trauma, with CT/MRI scan within 14 days of stroke.
	[] 4.	Subarachnoid hemorrhage: Sudden onset of a headache, neck stiffness, loss of consciousness. There may be a focal neurological deficit, but neck stiffness is more prominent. Blood in the subarachnoid or intraventricular space by CT/MRI, not caused by trauma.
	[] 5.	Non-fatal stroke after cardiovascular invasive interventions: Stroke associated with the intervention within 30 days of cardiovascular surgery, or within 7 days of cardiac catheterization, arrhythmia ablation, angioplasty, atherectomy, stent deployment or other invasive coronary or peripheral vascular interventions.
	[] 6.	Non-fatal stroke post non-cardiovascular surgery: Stroke occurring within 30 days of non-cardiovascular surgery.

[] 1.	Large-artery atherosclerosis: Clinical and brain imaging findings of either significant (>50%) stenosis or occlusion of a major brain artery or branch cortical artery, presumably due to atherosclerosis, and clinical findings of cerebral cortical impairment (aphasia, neglect, restricted motor involvement, etc.) or brain stem or cerebellar dysfunction. A history of intermittent claudication, transient ischemic attacks (TIAs) in the same vascular territory, a carotid bruit, or diminished pulses helps support the clinical diagnosis. Cortical or cerebellar lesions and brain stem or subcortical hemispheric infarcts greater than 1.5 cm in diameter on CT or MRI are considered to be of potential large-artery atherosclerotic origin. Supportive evidence by duplex imaging or arteriography of a stenosis of greater than 50% of an appropriate intracranial or extracranial artery is needed. Diagnostic studies should exclude potential sources of cardiogenic embolism. The diagnosis of stroke secondary to large- artery atherosclerosis cannot be made if duplex or arteriographic studies are normal or show only minimal changes.
	*Probable FD6_61a *Possible FD6_61b
[] 2.	Cardioembolism: Patients with arterial occlusions presumably due to an embolus arising in the heart. Cardiac sources are divided into high-risk and medium-risk groups based on the evidence of their relative propensities for embolism. At least one cardiac source for an embolus must be identified for a possible or probable diagnosis of cardioembolic stroke. Clinical and brain imaging findings are similar to those described for large-artery atherosclerosis. Evidence of a previous TIA or stroke in more than one vascular territory or systemic embolism supports a clinical diagnosis of cardiogenic stroke. Potential large-artery atherosclerotic sources of thrombosis or embolism should be eliminated. A stroke in a patient with a medium-risk cardiac source of embolism and no other cause of stroke is classified as a possible cardioembolic stroke.
	*Probable FD6_62a *Possible FD6_62b
[] 3.	Small-artery occlusion (lacune): Patients whose strokes are often labeled as lacunar infarcts in other classifications. The patient should have one of the traditional clinical lacunar syndromes and should not have evidence of cerebral cortical dysfunction (aphasia, neglect, restricted motor involvement, etc.). A history of diabetes mellitus or hypertension supports the clinical diagnosis. The patient should also have a normal CT/MRI examination or a relevant brain stem or subcortical hemispheric lesion with a diameter of less than 1.5 cm demonstrated. Potential cardiac sources for embolism should be absent, and evaluation of the large extracranial arteries should not demonstrate a stenosis of greater than 50% in an ipsilateral artery.
	*Probable FD6_63a *Possible FD6_63b
	* A probable diagnosis is made if the clinical findings, neuroimaging data, and results of diagnostic studies are consistent with one subtype and other etiologies have been excluded. A possible diagnosis is made when the clinical findings and neuroimaging data suggest a specific subtype but other studies are not done.

<u>Ischemic stroke subtype classification (complete for cases of definite ischemic stroke).</u>

- [] 4. Acute stroke of other determined etiology: Patients with rare causes of stroke, such as non atherosclerotic vasculopathies, hypercoagulable states, or hematologic disorders. Patients in this group should have clinical and CT or MRI findings of an acute ischemic stroke, regardless of the size or location. Diagnostic studies such as blood tests or arteriography should reveal one of these unusual causes of stroke. Cardiac sources of embolism and large-artery atherosclerosis should be excluded by other studies.
- [] 5. Stroke of undetermined etiology: In several instances, the cause of a stroke FD6_65 cannot be determined with any degree of confidence. Some patients will have no likely etiology determined despite an extensive evaluation. In others, no cause is found but the evaluation was cursory. This category also includes patients with two or more potential causes of stroke so that the physician is unable to make a final diagnosis. For example, a patient with a medium-risk cardiac source of embolism who also has another possible cause of stroke identified would be classified as having a stroke of undetermined etiology. Other examples would be a patient who has atrial fibrillation and an ipsilateral stenosis of 50%, or the patient with a traditional lacunar syndrome and an ipsilateral carotid stenosis of 50%.
- 07. Definite fatal congestive heart failure (**Please fill out the HF PROCEDURE FORM**)

Two major criteria or one major and two minor criteria:

a.	a. Major criteria				
	[] i.	Paroxysmal nocturnal dyspnea or Orthopnea FD6_66			
	[] ii.	Neck vein distention FD6 67			
	[] iii.	Rales FD6_68			
	[] iv.	Cardiomegaly FD6 69			
	[] v.	Acute pulmonary edema FD6_70			
	[] vi.	S3 gallop FD6_71			
	[] vii.	Increased venous pressure >16cm water FD6 72			
	[] viii.	Circulation time ≥ 25 seconds FD6_73			
	[] ix.	Hepatojugular reflux FD6_74			
b.	Minor crite	ria			
	[] i.	Ankle edema FD6 75			
	į į ii.	Night cough FD6 76			
		Dyspnea on exertion FD6_77			
	[] iv.	Hepatomegaly FD6_78			
	[] v.	Pleural effusion FD6_79			
	[] vi.	Vital capacity reduced by one-third from maximum FD6_80			
	[] vii.	Tachycardia (rate of ≥ 120/min.) FD6_81			
C.	Maior or m	inor criteria			
	[] i.	Weight loss > 4.5kg in 5 days in response to treatment FD6_82			
	AND				
	AND				
d.	[]	No known non-cardiac process leading to fluid overload such as FD6_83 renal failure			

08. PC	ossible fatal congestive heart failure						
[] Death certificate or medical records with consistent und cause, but neither autopsy evidence nor adequate prethe event.							
09. Ot	ther fatal cardic	vascular diseases					
]		ificate or medical records with consistent underlying eck that applies.	ng or imm	nedia	ate FD6_85		
]	to 429; IC	ath certificates are the only source of informa D 10: I00 to I09, I11, I13, I20 to I25, I27, I30 t					
ICD – 9	ICD – 10	Disease					
390-392	100-102	Acute rheumatic fever	[]	FD6_87		
393-398	105-109	Chronic rheumatic heart disease	[]	FD6_88		
402	l11	Hypertensive heart disease	[]	FD6_89		
404-405		Hypertensive disease	[]	FD6_90		
410-414	120-125	Ischemic heart disease	[]	FD6_91		
415-417		Diseases of pulmonary circulation	[]	FD6_92		
420-429		Other forms of heart disease	[]	FD6_93		
429.2		Cardiovascular disease, unspecified	[]	FD6_94		
431-437		Cerebrovascular disease	[]	FD6_95		
799		III-defined or unknown	[]	FD6_96		
	I13	Hypertensive heart and renal disease	[]	FD6_97		
	127	Other pulmonary heart disease	[]	FD6 98		

Comment: FD6_101

Other forms of heart disease

Peripheral vascular disease

ADMINISTRATIVE INFORMATION:

443.9

130-152

173.9

	751/ 0075
Reviewer code:	REV_CODE
Review date:	/ / / REV_DATE
Coordinating Center Use Only	<u> </u>
Reviewer: REV_NO First review 1 Second review 2	Stroke review 3 Adjudication 9

FD6_99

FD6_100

$SUPPLEMENTAL\ STROKE\ FORM\ -\ Mortality\ and\ Morbidity\ Surveys\ (Complete\ for\ mortality\ codes\ 5\ or\ 6\ and\ morbidity\ codes\ 3,\ 4\ or\ 8)$

ID number:			_	
Date o	f this event:	/ / _ Month day	 ye	 ar
A.	ISCHEMIC STROKE LOCATION		YES	NO
1.	Right hemisphere		1	2
2.	Left hemisphere		<u> </u> 1	<u> </u> 2
3.	Basilar		<u> </u> 1	<u> </u> 2
4.	Hemispheric and Basilar		1	2
5.	Unknown		1	2
B.	BRAIN IMAGING			
6.	HEAD CT	Yes		1
		No (go to Q 7)		2
		Yes, but no report		3
	6.1 If yes, timing of Head CT	<48 h since symptom onset		1
		≥48 h since symptom onset		2
		Unknown		9
7.	BRAIN MRI	Yes		 9
		No (go to Q 8)		9
		Yes, but no report		<u> </u> 9
C.	NEUROVASCULAR IMAGING			
8.	CAROTID DUPLEX			<u> </u> 9
		No (go to Q 9)		<u> </u> 2
		Yes, but no report		3

9.	TRANSCRANIAL DOPPLER (TCD)	Yes	1
		No, (go to Q 10)	2
		Yes, but no report	3
10.	MAGNETIC RESONANCE ANGIOGRAPHY (MRA)	Yes	1
		No (go to Q 11)	1
		Yes, but no report	1
11.	CT ANGIOGRAPHY	Yes	1
		No (go to Q 12)	1
		Yes, but no report	1
12.	ANGIOGRAPHY	Yes	1
		No, (go to Q 13)	1
		Yes, but no report	1
D.	STROKE DEFICIT		
13.	MODIFIED RANKIN SCALE (Code Maximal Severity Within 7 Days of Stroke)	(0-5)	<u> </u>
	 1 = no significant disability despite symptoms: able to 2 = slight disability: unable to carry out all previous ac without assistance 3 = moderate disability: requiring some help, but able 4 = moderately severe disability: unable to walk witho bodily needs without assistance 5 = severe disability: bedridden, incontinent, and required 9 = information insufficient for coding 	tivities but able to look aft to walk without assistance ut assistance, and unable	er own affairs e to attend to own
E.	STROKE TREATMENT		
14.	Intravenous thrombolysis	Yes	1
		No	1
15.	Presentation within 3 hours from symptom onset	Yes	1
		No	1
F.	BRAIN EXAMINATION AT AUTOPSY	Yes	1
		No	1
		Yes, but no report	1

ADMINISTRATIVE INFORMATION: Reviewer code:					_	
Review date:	/ Month	_ dav	_ / _	 vea	_ ar	

MORTALITY SURVEY INFORMANT INTERVIEW

ID nur	nber:						
A.	DECEDENT (Completed by study center staff prior to interview.)						
1.	Name:						
		Last	First	Middle			
2.	Date of death	n:		_ / /			
B. RECORD OF CALLS or HOME VISIT TO COMPLETE INTERVIEW							
				MethodContact Interview of contact successful Completed			
	DATE (mo/day/y	TIME yr) (24 hr clock)		1=Phone 1=Yes 1=Yes 2=Home Visit 2=No 2=No 3=Other 9=Refused			
	1)	_					
	2)						
C. 3.		iding Information (Co	-	nd by study center staff prior to interview.) Middle			
	b. Address:						
	c. Telephone:						
4.	Before we ge	t started, could you ple	ease tell	me what was your relationship to the deceased?			
	You are the			of the deceased.			
5.	What did the	patient die from?					
6.	Were you pre	esent when he/she die	d?				
	,	Yes 1 (Go to Q8)		No 2			

7.	If no, how long before he/she died did you last see him/her?						
	1 hour or les 24 hours or l	_	1 2	More than 24 hou Unknown	rs 3 9		
8.	Do you know of anyone else who may have been present at about the time of his/her death?						
		Yes 1	No	2 Unknown <u> </u>	9		
	If yes can you give Contact information	n					
following sudder day he unders when individual	ng conditions: chest in weakness, slurred s e/she died, and of the estand the cause of you appropriate attach a ual had prior to death	nts that occurre pain, shortness speech, etc. Pledeath itself. This or loved one's death itself. This or loved one's death itself. This or loved one's death itself. The loved one's death itself.	ed at the time of s of breath, aging ease tell me who is information we eath. (Record tif needed) Proping did the pers	f death, specifically, di tation, sudden collaps at you know of his/her ill be reviewed by a ph summary verbatim a bbing Questions: Are y	d he/she manifest any of the se or loss of consciousness, general health, health on the ysician and will help to better and ask pertinent questions to aware of any illnesses the Vas the individual involved in death.		

before him/he alread answe	ext set of questions deal specifically with the last episode of pain or discomfort that occurred his/her death. This is defined as starting at the time you noticed discomfort that caused er to stop or change what he/she was doing. NOTE TO INTERVIEWERS: If the informant has an answered these questions in the description of circumstances, just fill out the correct er(s) as noted below. Respect the informant's wishes about continuing the interview and answers to as many of the following questions as possible.
10.	Did his/her last episode of pain or discomfort specifically involve the chest? Yes 1 No 2 Unknown 9
11.	Did he/she experience pain or discomfort in his/her chest, left arm or shoulder or jaw either just before death or within 3 days (72 hours) of death? Yes 1
12.	Did he/she take nitroglycerine because of this last episode of pain or discomfort? Yes 1 No 2 Unknown 9
13.	Did he/she take any other medicine for chest discomfort prior to death? Yes No If yes what?
14.15.	How long was it from the beginning of his/her last episode of pain or discomfort to the time he/she stopped breathing on his/her own? <i>(use the shortest interval known to be true)</i> 5 minutes or less 1
	a. If yes, what year did he/she start dialysis? 1
	b. How many times per week did he/she receive dialysis?
	c. Did he/she stop dialysis before death? Yes No Unknown 1 2 9
	If yes, how long before death? / / days months years
16.	Within 3 days of death, or just before he/she died, did any of the following symptoms begin for the first time or did the patient complain of any of these symptoms:
	Yes No Unknown a. Shortness of breath? 1 2 9 b. Dizziness? 1 2 9 c. Palpitations (pounding in the chest)? 1 2 9 d. Marked or increased fatigue, tiredness, or weakness? 1 2 9 e. Headache? 1 2 9 f. Sweating? 1 2 9 g. Paralysis? 1 2 9

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Informant Interview

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	h. Loss of speech? i. Attack of heartburn or indigestion or abdominal discomfort? 1 2 9 j. nausea or vomiting? k. Other? specify: 1 2 9
	These next questions are about his/her medical history Please provide as much information as possible
17.	Before his/her final illness, had he/she ever had pains in the chest from heart disease, for example, angina pectoris? Yes 1 No 2(If no, go to Q20?) Unknown 9
18.	Did he/she ever take nitroglycerin for this pain? Yes 1 No 2 Unknown 9
19.	Any other medications such as aspirin, tums or other antacids? Yes 1 No 2 Unknown 9
20.	Did he/she ever have any of the following medical condition or procedures before his/her final illness? Yes No Unknown a. heart attack? b. stroke? c. heart failure? d. any other heart disease or heart condition If yes, specify: e. coronary bypass surgery (CABBAGE) f. coronary angioplasty (balloon angioplasty) g. insertion of pace maker (defibrillator) h. any other heart surgery? Did he/she ever have any of the following medical condition or procedures before his/her final illness? Yes No Unknown I 1 2 9 I 1 2 9 I 1 2 9 I 1 2 9 I 1 2 9 I 1 2 9 I 1 2 9 I 1 2 9 I 1 2 9 I 1 2 9 I 1 2 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 1 9 I 9 I 1 9 I
21.	The next few questions are about his/her health in the year prior to death Was he/she hospitalized or taken to a clinic In the year prior to death? In the month prior to death? In the 7 days prior to death? In the 7 days prior to death? Yes No Unknown 1 2 9 1 2 9
22.	Were any hospitalizations for heart attack or chest pain? Yes 1 No 2 Unknown 9
23.	Was a hospitalization for heart surgery? Yes 1 No 2 Unknown 9
24.	What was the date of the <u>last</u> hospital admission?

25.	Can you tell me the name and location of the hospital? (If unknown, check the box.) a. Name:
	b. Address:
	City/town:
	State-Zip: ————————————————————————————————————
26.	Was he/she seen by a physician anytime in the year prior to death? Yes 1 No 2 Unknown 9
27.	Can you tell me the name and address of this physician or healthcare facility? IHS only
	a. Name:
	b. Address:
	City/town:
	State-Zip: ————————————————————————————————————
28.	Can you tell me the name and address of his/her usual physician? If same as Q27, check here.
	a. Name:
	b. Address:
	City/town:
	State-Zip:
29.	Now, think back to about <u>one month</u> before he/she died. At that time, was he/she sick or ill; were his/her activities limited, or was he/she normally active for the most part?
	Sick/ill/limited activities 1 Normally active 2 Unknown 9
30.	Was he/she being cared for at a nursing home or at another place at the time of death? Yes, nursing home, specify 1
	next few questions are concerned specifically with emergency medical care he/she may have ved just prior to or at the time of death.
31.	Was he/she taken to a hospital/clinic in the week before his/her death? Yes 1 No 2

32.	If Ye	If Yes, could you tell me the name and location of this facility:					
	a.	Name: Address:					
	b.						
		City/town:					
		State-Zip:					
33.		nere someone else whom we could contact, who might know more about the circumstances ounding his/her death or his/her usual state of health? Yes 1					
34.	Did i	informant provide consent to gather further information? Yes 1 No 2 Not applicable 3 (If Yes, ask the informant to sign the consent form for us to review the decedent's medical records)					
35.	How	reliable was the participant in completing the questionnaire?					
Very	reliable	e 1 Reliable 2 Unreliable 3 Very unreliable 4 Uncertain 5					
ADM 36.		RATIVE INFORMATION: rviewer code:					
37.	Inter	view date: _ / _ _ / _ _					
		month day year					