EXERCISE TREADMILL TEST (ETT) FORM: T3 FORM 8E (Rev.2)

PURPOSE: To record pertinent data obtained during exercise testing. These results will be used to evaluate the patient's exercise capacity and relief of ischemia after therapy.

PERSONS RESPONSIBLE: Certified Research Coordinator and certified exercise technician.

SOURCES OF INFORMATION: Official signed exercise test report and electrocardiographic tracings.

TIME OF DATA COLLECTION: Immediately (same day or next) after completion of Exercise Treadmill Test.

GENERAL INSTRUCTIONS: This form is to be completed on all T3B patients undergoing exercise treadmill testing. Exercise treadmill testing should be performed near the time of hospital discharge, i.e., before or within the five days after hospital discharge. Ideally, the Exercise Treadmill Test should be done at a time separate from the Holter recording, so as not to interfere with the Holter.

If the ETT performed prior to the scheduled hospital discharge shows the patient has reached a study end point, this ETT should still be submitted as the pre-discharge ETT, even if hospital discharge is postponed for the patient. In such instances, it is not necessary to submit a second pre-discharge ETT when the patient is actually discharged.

For patients discharged more than 21 days after study treatment initiation, an ETT should be performed, if possible, on or before Day 21. Otherwise, an ETT should be performed at or near the time of hospital discharge.

Exercise treadmill testing should also be performed at the time of the six-week follow-up visit, i.e., within 42 to 70 days after study treatment initiation.

An ETT should also be performed to confirm the presence of exertional angina (CCSC Stage III or IV) occurring after discharge from the initial hospitalization.

For each ETT performed, send the original of Form 8E with the required ECGs to the ECG Core Laboratory. Send a copy of Form 8E to the Data Coordinating Center.

PART I: IDENTIFICATION

1. **NAME CODE:** As previously defined for the patient.

2. **DATE OF STUDY:** Record the date the ETT was performed.

3. **IDENTIFY THIS ETT:** Indicate the reason for the performance of this ETT.

4. **TEST PERFORMED ACCORDING TO PROTOCOL GUIDELINES:** Check "yes" if the test was performed according to study protocol. However, if the test was performed outside of protocol stipulations, record "no" and indicate the primary reason why the Exercise Treadmill Test was not performed according to protocol guidelines.

PART II: TESTING

5. **CARDIOVASCULAR MEDICATIONS TAKEN BY PATIENT:** Check "yes" for all medications listed below that the patient has taken during the time periods recorded for each medication.

6. **TYPE OF PROTOCOL:**

   A. Indicate whether the ETT was performed using the modified or standard Bruce protocol.

   B. **Total exercise time in seconds:** Self-explanatory.

   C. **Initial stage of exercise:** Record the initial stage that the patient actually began to exercise.

   D. **Final stage of exercise:** Record the final stage of exercise.

7. **VITAL SIGNS:** For each time period below, record the heart rate and blood pressure taken with the patient in an upright position.

   A. **Rest:** Immediately prior to exercise.

   B. **Peak Exercise:** Self-explanatory.

   C. **Recovery:** Heart rate and blood pressure should be taken 3 minutes post exercise. If 3-minute readings are not available, use later readings up through 5 minutes post exercise.

8. **ANGINA DURING STUDY:** Record "yes" if the patient experienced anginal symptoms only during the test. If a patient complained of symptoms not characteristic of angina, record "no."

   A. Indicate the ETT stage at which angina occurred.

9. **FALL IN SYSTOLIC BLOOD PRESSURE:** Check "yes" if a fall of > 10 mm Hg in systolic blood pressure (compared to a previous reading) was observed during exercise and was verified by a second reading obtained 15 seconds later. If "yes" is checked, record actual drop in systolic blood pressure and indicate the exercise stage at which the fall of greater than 10 mm Hg in systolic blood pressure occurred.

10. **ISCHEMIC ST DEVIATION ≥ 1 MM DURING OR FOLLOWING EXERCISE:** Check "yes" if ST deviation ≥ 1 mm occurred on any of the 12 leads during or following exercise.

    A. **Exercise treadmill stage at the onset of ischemic ST-segment deviation ≥ 1 mm.** Indicate the exercise stage at the onset of ischemic ST segment deviation ≥ 1 mm.

    B. **Ischemic ST deviation ≥ 2 mm during exercise prior to completion of Stage II:** Check "yes" if ST deviation ≥ 2 mm occurred on any of the 12 leads during exercise prior to completion of Stage II.

11. **ARRHYTHMIAS:** Check "yes" to all applicable forms of arrhythmia that occurred during the ETT.

12. **REASONS FOR STOPPING EXERCISE:** Indicate the primary and, if appropriate, the secondary reason for stopping the ETT.

    A. **Angina:** Record if patient stopped ETT due to anginal symptoms. Do not record if pain was questionable in origin or clearly non-ischemic.

    B. **ST-segment change:** Record if physician terminated the ETT because of excessive ST-segment depression or elevation (generally > 2 mm).

    C. **Supraventricular arrhythmia:** Record if physician terminated ETT due to the development of rapid supraventricular tachycardia.

    D. **Ventricular arrhythmia:** Record if physician terminated ETT due to an unacceptable frequency of ventricular arrhythmias.

    E. **Hypertension:** Record if ETT was terminated due to a blood pressure > 240 mm Hg systolic and/or > 110 mm Hg diastolic.

    F. **Hypotension:** Record if the physician terminated the ETT because he/she obtained a recording of a fall in systolic blood pressure of > 10 mm Hg from the previous reading that is verified on a second reading 15 seconds later.

    G. **Fatigue/exhaustion:** Record if patient stopped ETT due to generalized fatigue or exhaustion.

H. **Dyspnea:** Record if patient stopped ETT due to excessive or abnormal shortness of breath while exercising. It should be kept in mind that all patients normally experience some degree of shortness of breath when exercising.

I. **Dizziness:** Record if ETT was stopped because patient experienced lightheadedness or patient displayed ataxic gait.

J. **Poor motivation:** Record if patient stopped ETT without having put forth a reasonable level of effort.

K. **Physician request:** Record, if in the absence of one of the reasons listed above, the physician requested termination of the ETT.

L. **Patient completed protocol:** Self-explanatory.

M. **Adequate heart rate achieved:** For patients exercising on a specific heart rate protocol, record if ETT was stopped because the heart rate level was achieved.

N. **Claudication:** Record if ETT was stopped because patient complained of leg, thigh, or buttock pain of a sufficient degree to prevent exercising any further.

O. **Other:** Record if ETT was stopped for some other reason. Specify the reason in the space provided.

13. **COMPLICATIONS WITHIN 2 HOURS OF ETT:** If "yes" is checked, indicate the complication(s) (A-D) in the box provided and fill out the appropriate event form(s).

14. **BASED ON THE RESULTS OF THIS ETT, HAS THE PATIENT REACHED A STUDY END POINT?** Check "yes" and indicate which of the criteria have been met, if the patient has reached a study end point.

PART II: ADMINISTRATIVE MATTERS:

Self-explanatory.

Complete for ETT performed as required by protocol. Send original of form with required ECGs to ECG Core Lab and a copy of form to the Data Coordinating Center.

Clinic No.			-						
ID No.			-						
Form Type	X	T							

PART I: IDENTIFICATION

1. Patient's NAME CODE: ---------- ___ ___ ___ ___ ___

2. Date of study: ---------- fm8eday
___ ___ - ___ ___ - ___ ___
Month Day Year

3. Identify this exercise treadmill test (ETT):

etttype2

Pre-discharge or within 5 days after hospital discharge ---------- (1)

Six-week follow-up (42 to 70 days) ---------- (2)

Follow-up ETT (71 to 182 days) ---------- (3)

Confirmation of CCSC Stage III or IV Angina (post-discharge) -------- (4)

Other ---------- (5)

Specify _____

Yes No

4. Was test performed according to protocol guidelines? ---------- ettprot (1) (2)

↓

A. Reason: (*Check one.*)

ettnotpr

Complications post-revascularization ---------- (1)
Clinical reason ---------- (2)
Protocol violation ---------- (3)
Other ---------- (4)

Specify: _____

ID No.			-					

PART II: TESTING

5. Did the patient take any of the following cardiovascular medications prior to the start of the exercise treadmill test?

	Yes	No	Unknown
A. Nitrates (within two hours): ettnitra	(1)	(2)	(3)
B. Beta-blockers (within 48 hours): ettbeta	(1)	(2)	(3)
C. Calcium channel blockers (within 24 hours): ettccb	(1)	(2)	(3)
D. Digitalis (within 48 hours): ettdigit	(1)	(2)	(3)

6. Type of protocol:

A. Choose one: bruce

Modified Bruce ---------- (1)
Standard Bruce ---------- (2)

B. Total exercise time in seconds: extime ---------- ___ ___ ___ ___

C. Record initial stage of exercise: ex1new

0 ---------- (1)
1/2 ---------- (2)
1 ---------- (3)

D. Record final stage of exercise: ex2

0 ---------- (1)
1/2 ---------- (2)
1 ---------- (3)
2 ---------- (4)
3 ---------- (5)
≥ 4 ---------- (6)

7. Vital signs:

	1) Heart Rate	2) Systolic Blood Pressure	3) Diastolic Blood Pressure
A. Rest:	resthrt ___ ___ ___ bpm	restsbp ___ ___ ___ mm Hg	restdbp ___ ___ ___ mm Hg

ID No.			-					
Form Type	X	T						

B. Peak exercise: exhrt ___ ___ ___ bpm exsbp ___ ___ ___ mm Hg exdbp ___ ___ ___ mm Hg

C. Recovery (3-5 minutes): recovhrt ___ ___ ___ bpm recovsbp ___ ___ ___ mm Hg recovdbp ___ ___ ___ mm Hg

8. Did angina occur during study? ettangst
(1) Yes (2) No (3) Uncertain

↓

A. Exercise treadmill stage at which angina occurred: stgang

0 ---------- (1)*
1/2 ---------- (2)*
1 ---------- (3)*
2 ---------- (4)*
3 ---------- (5)
≥ 4 ---------- (6)

*Study end point has been reached.

9. Did a confirmed fall of > 10 mm Hg (compared to the previous confirmed reading) in systolic blood pressure occur during exercise? fallsbp
(1) Yes (2) No (3) Unknown

↓

A. Enter fall in blood pressure sbpafall ___ ___ ___ mm Hg.

B. Exercise treadmill stage at which fall of > 10 mm Hg in systolic blood pressure occurred: stgbpdrp

0 ---------- (1)*
1/2 ---------- (2)*
1 ---------- (3)*
2 ---------- (4)*
3 ---------- (5)
≥ 4 ---------- (6)

*Study end point has been reached.

ID No.			-					
Form Type	X	T						

10. Did ischemic ST-segment deviation ≥ 1mm (compared to rest) occur during or following exercise? ---------- stdevaft (1) Yes (2) No (3) Unknown

↓

A. Exercise treadmill stage at the onset of ischemic ST-segment deviation ≥ 1 mm: stgdev

0 ---------- (1)
1/2 ---------- (2)
1 ---------- (3)
2 ---------- (4)
3 ---------- (5)
≥ 4 ---------- (6)
Only during recovery phase ---------- (7)

B. Did ischemic ST-segment deviation ≥ 2 mm (compared to rest) occur during exercise prior to completion of Stage II. ---------- stdevoc (1) Yes* (2) No (3) Unknown

**Study end point has been reached.*

11. Did any of the following arrhythmias occur during the study? (*Check all that apply.*)

	1) Rest	2) Exercise	3) Recovery
A. Isolated (< 10/min) PVCs:	isores (1)	isoexer (1)	isorec (1)
B. Frequent (≥ 10/min) PVCs:	freqres (1)	freqexer (1)	frerqrec (1)
C. Ventricular couplets:	venres (1)	venexer (1)	venrec (1)
D. Ventricular tachycardia:	ventres (1)	ventexer (1)	ventrec (1)

ID No.			-					
Form Type	X	T						

12. Reasons for stopping: (*Check one Primary and, if appropriate, one Secondary.*)

		Primary	Secondary
A.	Angina ettang	(1)	(2)
B.	ST-segment change ettstdev	(1)	(2)
C.	Arrhythmia-supraventricular ettsva	(1)	(2)
D.	Arrhythmia-ventricular ettva	(1)	(2)
E.	Hypertension etthyper	(1)	(2)
F.	Hypotension etthypo	(1)	(2)
G.	Fatigue/exhaustion ettfatig	(1)	(2)
H.	Dyspnea ettdyspn	(1)	(2)
I.	Dizziness ettdizzy	(1)	(2)
J.	Poor motivation ettpoor	(1)	(2)
K.	Physician's request ettmdreq	(1)	(2)
L.	Patient completed protocol ettcplpr	(1)	(2)
M.	Adequate heart rate achieved ettadhr	(1)	(2)
N.	Claudication ettclaud	(1)	(2)
O.	Other ettoth	(1)	(2)

Specify: _____

13. Were there any complications within two hours of ETT? ettcomp2 (1) Yes (2) No

↓

Check all that apply and fill out appropriate event forms.

A. MI ettmi (1)
B. Cardiac arrest ettca (1)
C. Death ettdeath (1)
D. Other ettother (1)

Specify: _____

ID No.			-					
Form Type	X	T						

14. Based on the results of this ETT, has the patient reached a study end point? ---------- (1) Yes (2) No

ettstyep

↓

Check all that apply.

angps2

A. Angina prior to completion of Stage II --------- (1)

stdevps2

B. ≥ 2 mm ST deviation with or without symptoms prior to completion of Stage II ------- (1)

dpsbpps2

C. Compared to previous confirmed reading, a confirmed drop of > 10 mm Hg in SBP prior to completion of Stage II ---------- (1)

PART III: ADMINISTRATIVE MATTERS

15. ETT Technician:

Name: _____ T3 Staff No.: ___ ___ - ___ ___ ___

16. Research Coordinator:

Signature: _____ T3 Staff No.: ___ ___ - ___ ___ ___

17. Material mailed to the ECG Core Lab:

	Yes	No
A. Form 8E	(1)	(2)
B. ECG tracings	(1)	(2)
C. Date mailed ---------- ___ ___ - ___ ___ - ___ ___ (Month - Day - Year)		

ID No.			-					
Form Type	X	T						

T3 Form 8E: Variables from earlier revisions

ETTTYPE Revision 0 Item 3
Identify this exercise treadmill test (ETT)
1=Pre-discharge
2=Six-week follow-up
3=Confirmation of CCSC Stage III or IV Angina (post-discharge)
4=Other

EX1 Revision 0 Item 6C
Record initial stage of exercise
1=0 2=1/2

STDEVEX Revision 0 Item 10
Did ischemic ST-segment deviation ≥ 1mm (compared to rest) occur during exercise
1=Yes 2=No 3=Unknown

STDEVEXS Revision 0 Item 10A
(Answered if STDEVEX=1)
Exercise treadmill stage at the onset of ischemic ST-segment deviation
1=0 2=1/2 3=1 4=2 5=3 6=≥4

ISOLPVC Revision 0 Item 12A
Isolated (< 10/min) PVCs during the study
1=Rest 2=Exercise 3=Recovery 4=None

FREQPVC Revision 0 Item 12B
Frequent (≥ 10/min) PVCs during the study
1=Rest 2=Exercise 3=Recovery 4=None

COUPLETS Revision 0 Item 12C
Ventricular couplets during the study
1=Rest 2=Exercise 3=Recovery 4=None

TACHYCRD Revision 0 Item 12D
Ventricular tachycardia during the study
1=Rest 2=Exercise 3=Recovery 4=None

ETTANGC Revision 0 Item 14D
Angina within 2 hours of ETT
1=Yes

T3 Form 8E: Data Set Revisions

The following items were deleted – no relevant information provided

Item 17A: Form 8E mailed to ECG Core Lab
Item 17B: ECG tracings mailed to ECG Core Lab

T3B form8e

The CONTENTS Procedure

Data Set Name:	WORK.FORM8E	**Observations:**	2453
Member Type:	DATA	**Variables:**	77
Engine:	V8	**Indexes:**	0
Created:	14:57 Monday, February 2, 2004	**Observation Length:**	336
Last Modified:	14:57 Monday, February 2, 2004	**Deleted Observations:**	0
Protection:		**Compressed:**	NO
Data Set Type:		**Sorted:**	NO
Label:			

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Label
73	ANGPS2	Num	4	268	f8Eq14A: Angina prior to Stage II comple
11	BRUCE	Num	4	64	f8Eq6A: Type of protocol
49	COUPLETS	Num	4	172	f8Eq12C (rev 0): Ventricular couplets
75	DPSBPPS2	Num	4	276	f8Eq14C: Drop in sbp prior to Stage II c
63	ETTADHR	Num	4	228	f8Eq12M: Adequate heart rate achieved
51	ETTANG	Num	4	180	f8Eq12A: Angina
70	ETTANGC	Num	4	256	f8Eq14D (rev 0): Angina after ETT
25	ETTANGST	Num	4	80	f8Eq8: Angina during study
8	ETTBETA	Num	4	52	f8Eq5B: Beta-blockers within 48 hrs
68	ETTCA	Num	4	248	f8Eq13B: Cardiac Arrest
9	ETTCCB	Num	4	56	f8Eq5C: Calcium channel blockers within
64	ETTCLAUD	Num	4	232	f8Eq12N: Claudication
66	ETTCOMP2	Num	4	240	f8Eq13: Complications within 2 hrs
62	ETTCPLPR	Num	4	224	f8Eq12L: Patient completed protocol
69	ETTDEATH	Num	4	252	f8Eq13C: Death
10	ETTDIGIT	Num	4	60	f8Eq5D: Digitalis within 48 hrs
59	ETTDIZZY	Num	4	212	f8Eq12I: Dizziness
58	ETTDYSPN	Num	4	208	f8Eq12H: Dyspnea
57	ETTFATIG	Num	4	204	f8Eq12G: Fatigue/exhaustion
55	ETTHYPER	Num	4	196	f8Eq12E: Hypertension
56	ETTHYPO	Num	4	200	f8Eq12F: Hypotension
61	ETTMDREQ	Num	4	220	f8Eq12K: Physician's request

T3B form8e

The CONTENTS Procedure

-----Alphabetic List of Variables and Attributes-----					
#	**Variable**	**Type**	**Len**	**Pos**	**Label**
67	ETTMI	Num	4	244	f8Eq13A: MI
7	ETTNITRA	Num	4	48	f8Eq5A: Nitrates within 2 hrs
6	ETTNOTPR	Num	4	44	f8Eq4A: Reason protocol not followed
65	ETTOTH	Num	4	236	f8Eq12O: Other reason for stopping
71	ETTOTHER	Num	4	260	f8Eq13D: Other complication
60	ETTPOOR	Num	4	216	f8Eq12J: Poor motivation
5	ETTPROT	Num	4	40	f8Eq4: Test according to protocol
52	ETTSTDEV	Num	4	184	f8Eq12B: ST-segment change
72	ETTSTYEP	Num	4	264	f8Eq14: Patient reached a study endpoint
53	ETTSVA	Num	4	188	f8Eq12C: Arrhythmia - supraventricular
4	ETTTYPE	Num	4	36	f8Eq3 (rev 0): ETT Type
3	ETTTYPE2	Num	4	32	f8Eq3: ETT Type
54	ETTVA	Num	4	192	f8Eq12D: Arrhythmia - ventricular
14	EX1	Num	4	72	f8Eq6C (rev 0): Initial exercise stage
15	EX2	Num	4	76	f8Eq6D: Final exercise stage
13	EX1NEW	Num	4	68	f8Eq6C: Initial exercise stage
21	EXDBP	Num	5	309	f8Eq7B3: Exercise diastolic blood pressu
19	EXHRT	Num	5	299	f8Eq7B1: Exercise heart rate
20	EXSBP	Num	5	304	f8Eq7B2: Exercise systolic blood pressur
12	EXTIME	Num	8	8	f8Eq6B: Total exercise time (seconds)
27	FALLSBP	Num	4	88	f8Eq9: Fall in systolic during exercise
77	FM8EDAY	Num	8	24	f7Tq2: Days to ETT Study
2	FMTYP	Char	4	280	Form Type
39	FREQEXER	Num	4	132	f8Eq11B2: Frequent PVCs during exercise
48	FREQPVC	Num	4	168	f8Eq12B (rev 0): Frequent PVCs
40	FREQREC	Num	4	136	f8Eq11B3: Frequent PVCs during recovery
38	FREQRES	Num	4	128	f8Eq11B1: Frequent PVCs at rest
36	ISOEXER	Num	4	120	f8Eq11A2: Isolated PVCs during exercise
47	ISOLPVC	Num	4	164	f8Eq12A (rev 0): Isolated PVCs
37	ISOREC	Num	4	124	f8Eq11A3: Isolated PVCs during recovery
35	ISORES	Num	4	116	f8Eq11A1: Isolated PVCs at rest

T3B form8e

The CONTENTS Procedure

-----Alphabetic List of Variables and Attributes-----					
#	**Variable**	**Type**	**Len**	**Pos**	**Label**
76	NEWID	Num	8	16	Patient Identification
24	RECDBP	Num	5	324	f8Eq7C3: Recovery diastolic blood pressu
22	RECOVHRT	Num	5	314	f8Eq7C1: Recovery heart rate
23	RECOVSBP	Num	5	319	f8Eq7C2: Recovery systolic blood pressur
18	RESTDBP	Num	5	294	f8Eq7A3: Rest diastolic blood pressure
16	RESTHRT	Num	5	284	f8Eq7A1: Rest heart rate
17	RESTSBP	Num	5	289	f8Eq7A2: Rest systolic blood pressure
1	REV	Num	8	0	Revision
28	SBPAFALL	Num	5	329	f8Eq9A: Fall in systolic
32	STDEVAFT	Num	4	104	f8Eq10: ST deviation occurred
30	STDEVEX	Num	4	96	f8Eq10 (rev 0): ST deviation occurred
31	STDEVEXS	Num	4	100	f8Eq10A (rev 0): Stage at onset ST dev.
34	STDEVOC	Num	4	112	f8Eq10B: ST deviation prior to Stage II
74	STDEVPS2	Num	4	272	f8Eq14B: ST deviation prior to Stage II
26	STGANG	Num	4	84	f8Eq8A: Stage angina occurred
29	STGBPDRP	Num	4	92	f8Eq9B: Stage fall in systolic occurred
33	STGDEV	Num	4	108	f8Eq10A: Stage at onset ST deviation
50	TACHYCRD	Num	4	176	f8Eq12D (rev 0): Ventricular tachycardia
42	VENEXER	Num	4	144	f8Eq11C2: Vent couplets during exercise
43	VENREC	Num	4	148	f8Eq11C3: Vent couplets during recovery
41	VENRES	Num	4	140	f8Eq11C1: Vent couplets at rest
45	VENTEXER	Num	4	156	f8Eq11D2: Vent tachycardia during exerci
46	VENTREC	Num	4	160	f8Eq11D3: Vent tachycardia during recove
44	VENTRES	Num	4	152	f8Eq11D1: Vent tachycardia at rest

T3B form8e

Variable	Label	Value	N	%	<= 20
REV	Revision	0	514	21.0	
		2	1939	79.0	
FMTYP	Form Type	XT01	1308	53.3	
		XT02	1120	45.7	
		XT03	21	0.9	
		XT04	2	0.1	*
		XT05	2	0.1	*
ETTTYPE	f8Eq3 (rev 0): ETT Type	.	1939	79.0	
		1	286	11.7	
		2	222	9.1	
		4	6	0.2	*
ETTTYPE2	f8Eq3: ETT Type	.	514	21.0	
		1	936	38.2	
		2	934	38.1	
		3	33	1.3	
		4	3	0.1	*
		5	33	1.3	
ETTPROT	f8Eq4: Test according to protocol	1	2402	97.9	
		2	51	2.1	
ETTNOTPR	f8Eq4A: Reason protocol not followed	.	2402	97.9	
		1	1	0.0	*
		2	11	0.4	*
		3	5	0.2	*
		4	34	1.4	

T3B form8e

Variable	Label	Value	N	%	<= 20
ETTNITRA	f8Eq5A: Nitrates within 2 hrs	1	781	31.8	
		2	1612	65.7	
		3	60	2.4	
ETTBETA	f8Eq5B: Beta-blockers within 48 hrs	1	1472	60.0	
		2	949	38.7	
		3	32	1.3	
ETTCCB	f8Eq5C: Calcium channel blockers within	1	1448	59.0	
		2	968	39.5	
		3	37	1.5	
ETTDIGIT	f8Eq5D: Digitalis within 48 hrs	1	153	6.2	
		2	2267	92.4	
		3	33	1.3	
BRUCE	f8Eq6A: Type of protocol	1	1586	64.7	
		2	864	35.2	
		3	3	0.1	*
EX1	f8Eq6C (rev 0): Initial exercise stage	.	1939	79.0	
		1	184	7.5	
		2	209	8.5	
		3	121	4.9	
EX1NEW	f8Eq6C: Initial exercise stage	.	514	21.0	
		1	391	15.9	
		2	641	26.1	
		3	907	37.0	

T3B form8e

Variable	Label	Value	N	%	<= 20
EX2	f8Eq6D: Final exercise stage	1	51	2.1	
		2	132	5.4	
		3	347	14.1	
		4	1011	41.2	
		5	630	25.7	
		6	282	11.5	
ETTANGST	f8Eq8: Angina during study	1	321	13.1	
		2	2110	86.0	
		3	22	0.9	
STGANG	f8Eq8A: Stage angina occurred	.	2193	89.4	
		1	8	0.3	*
		2	40	1.6	
		3	74	3.0	
		4	95	3.9	
		5	40	1.6	
		6	3	0.1	*
FALLSBP	f8Eq9: Fall in systolic during exercise	1	66	2.7	
		2	2383	97.1	
		3	4	0.2	*
STGBPDRP	f8Eq9B: Stage fall in systolic occurred	.	2406	98.1	
		1	1	0.0	*
		2	8	0.3	*
		3	15	0.6	*
		4	19	0.8	*
		5	4	0.2	*

T3B form8e

Variable	Label	Value	N	%	<= 20
STDEVAFT	f8Eq10: ST deviation occurred	1	558	22.7	
		2	1890	77.0	
		3	5	0.2	*
STDEVEX	f8Eq10 (rev 0): ST deviation occurred	.	1939	79.0	
		1	89	3.6	
		2	420	17.1	
		3	5	0.2	*
STDEVEXS	f8Eq10A (rev 0): Stage at onset ST dev.	.	2364	96.4	
		1	4	0.2	*
		2	12	0.5	*
		3	27	1.1	
		4	32	1.3	
		5	9	0.4	*
		6	5	0.2	*
STGDEV	f8Eq10A: Stage at onset ST deviation	.	1951	79.5	
		1	9	0.4	*
		2	45	1.8	
		3	116	4.7	
		4	198	8.1	
		5	85	3.5	
		6	27	1.1	
		7	22	0.9	
STDEVOC	f8Eq10B: ST deviation prior to Stage II	.	1950	79.5	
		1	140	5.7	
		2	360	14.7	
		3	3	0.1	*

T3B form8e

Variable	Label	Value	N	%	<= 20
ISORES	f8Eq11A1: Isolated PVCs at rest	.	2346	95.6	
		1	107	4.4	
ISOEXER	f8Eq11A2: Isolated PVCs during exercise	.	2089	85.2	
		1	364	14.8	
ISOREC	f8Eq11A3: Isolated PVCs during recovery	.	2251	91.8	
		1	202	8.2	
FREQRES	f8Eq11B1: Frequent PVCs at rest	.	2431	99.1	
		1	22	0.9	
FREQEXER	f8Eq11B2: Frequent PVCs during exercise	.	2381	97.1	
		1	72	2.9	
FREQREC	f8Eq11B3: Frequent PVCs during recovery	.	2398	97.8	
		1	55	2.2	
VENRES	f8Eq11C1: Vent couplets at rest	.	2443	99.6	
		1	10	0.4	*
VENEXER	f8Eq11C2: Vent couplets during exercise	.	2377	96.9	
		1	76	3.1	
VENREC	f8Eq11C3: Vent couplets during recovery	.	2421	98.7	
		1	32	1.3	
VENTRES	f8Eq11D1: Vent tachycardia at rest	.	2453	100.0	
VENTEXER	f8Eq11D2: Vent tachycardia during exerci	.	2436	99.3	
		1	17	0.7	*

T3B form8e

Variable	Label	Value	N	%	<= 20
VENTREC	f8Eq11D3: Vent tachycardia during recove	.	2444	99.6	
		1	9	0.4	*
ETTANG	f8Eq12A: Angina	.	2199	89.6	
		1	209	8.5	
		2	45	1.8	
ISOLPVC	f8Eq12A (rev 0): Isolated PVCs	.	1992	81.2	
		1	10	0.4	*
		2	46	1.9	
		3	34	1.4	
		4	371	15.1	
ETTSTDEV	f8Eq12B: ST-segment change	.	2328	94.9	
		1	48	2.0	
		2	77	3.1	
FREQPVC	f8Eq12B (rev 0): Frequent PVCs	.	1960	79.9	
		1	4	0.2	*
		2	12	0.5	*
		3	9	0.4	*
		4	468	19.1	
COUPLETS	f8Eq12C (rev 0): Ventricular couplets	.	1957	79.8	
		1	2	0.1	*
		2	12	0.5	*
		3	5	0.2	*
		4	477	19.4	
ETTSVA	f8Eq12C: Arrhythmia - supraventricular	.	2451	99.9	
		1	2	0.1	*

T3B form8e

Variable	Label	Value	N	%	<= 20
ETTVA	f8Eq12D: Arrhythmia - ventricular	.	2440	99.5	
		1	10	0.4	*
		2	3	0.1	*
TACHYCRD	f8Eq12D (rev 0): Ventricular tachycardia	.	1950	79.5	
		1	1	0.0	*
		2	4	0.2	*
		3	3	0.1	*
		4	495	20.2	
ETTHYPER	f8Eq12E: Hypertension	.	2437	99.3	
		1	11	0.4	*
		2	5	0.2	*
ETTHYPO	f8Eq12F: Hypotension	.	2426	98.9	
		1	15	0.6	*
		2	12	0.5	*
ETTFATIG	f8Eq12G: Fatigue/exhaustion	.	1038	42.3	
		1	1179	48.1	
		2	236	9.6	
ETTDYSPN	f8Eq12H: Dyspnea	.	1920	78.3	
		1	303	12.4	
		2	230	9.4	
ETTDIZZY	f8Eq12I: Dizziness	.	2417	98.5	
		1	17	0.7	*
		2	19	0.8	*

T3B form8e

Variable	Label	Value	N	%	<= 20
ETTPOOR	f8Eq12J: Poor motivation	.	2435	99.3	
		1	4	0.2	*
		2	14	0.6	*
ETTMDREQ	f8Eq12K: Physician's request	.	2382	97.1	
		1	6	0.2	*
		2	65	2.6	
ETTCPLPR	f8Eq12L: Patient completed protocol	.	1976	80.6	
		1	440	17.9	
		2	37	1.5	
ETTADHR	f8Eq12M: Adequate heart rate achieved	.	2287	93.2	
		1	100	4.1	
		2	66	2.7	
ETTCLAUD	f8Eq12N: Claudication	.	2385	97.2	
		1	53	2.2	
		2	15	0.6	*
ETTOTH	f8Eq12O: Other reason for stopping	.	2362	96.3	
		1	56	2.3	
		2	35	1.4	
ETTCOMP2	f8Eq13: Complications within 2 hrs	.	1	0.0	*
		1	9	0.4	*
		2	2443	99.6	
ETTMI	f8Eq13A: MI	.	2452	100.0	
		1	1	0.0	*

T3B form8e

Variable	Label	Value	N	%	<= 20
ETTCA	f8Eq13B: Cardiac Arrest	.	2452	100.0	
		1	1	0.0	*
ETTDEATH	f8Eq13C: Death	.	2453	100.0	
ETTOTHER	f8Eq13D: Other complication	.	2448	99.8	
		1	5	0.2	*
ETTSTYEP	f8Eq14: Patient reached a study endpoint	.	514	21.0	
		1	315	12.8	
		2	1624	66.2	
ANGPS2	f8Eq14A: Angina prior to Stage II comple	.	2232	91.0	
		1	220	9.0	
		2	1	0.0	*
STDEVPS2	f8Eq14B: ST deviation prior to Stage II	.	2308	94.1	
		1	145	5.9	
DPSBPPS2	f8Eq14C: Drop in sbp prior to Stage II c	.	2409	98.2	
		1	44	1.8	
ETTANGC	f8Eq14D (rev 0): Angina after ETT	.	2450	99.9	
		1	3	0.1	*

T3B form8e

Variable	Label	N	Percentile	Value	n	<= 20
EXTIME	f8Eq6B: Total exercise time (seconds)	2452	5	180	170	
			25	330	447	
			50	455	610	
			75	578	612	
			95	780	505	
			100	1202	108	
RESTHRT	f8Eq7A1: Rest heart rate	2453	5	50	134	
			25	61	518	
			50	70	577	
			75	83	634	
			95	102	472	
			100	138	118	
RESTSBP	f8Eq7A2: Rest systolic blood pressure	2447	5	100	230	
			25	112	382	
			50	126	638	
			75	140	706	
			95	160	385	
			100	222	106	
RESTDBP	f8Eq7A3: Rest diastolic blood pressure	2446	5	60	212	
			25	70	599	
			50	80	907	
			75	84	122	
			95	96	486	
			100	118	120	

T3B form8e

Variable	Label	N	Percentile	Value	n	<= 20
EXHRT	f8Eq7B1: Exercise heart rate	2452	5	85	125	
			25	105	491	
			50	122	638	
			75	140	619	
			95	161	466	
			100	233	113	
EXSBP	f8Eq7B2: Exercise systolic blood pressur	2437	5	118	125	
			25	140	555	
			50	160	627	
			75	180	606	
			95	210	423	
			100	277	101	
EXDBP	f8Eq7B3: Exercise diastolic blood pressu	2431	5	60	175	
			25	70	451	
			50	80	874	
			75	90	576	
			95	100	262	
			100	140	93	
RECOVHRT	f8Eq7C1: Recovery heart rate	2425	5	58	137	
			25	71	472	
			50	84	635	
			75	98	618	
			95	119	442	
			100	203	121	

T3B form8e

Variable	Label	N	Percentile	Value	n	<= 20
RECOVSBP	f8Eq7C2: Recovery systolic blood pressur	2159	5	100	114	
			25	120	463	
			50	140	707	
			75	154	348	
			95	180	432	
			100	244	95	
RECDBP	f8Eq7C3: Recovery diastolic blood pressu	2158	5	60	200	
			25	70	577	
			50	80	809	
			75	82	39	
			95	98	452	
			100	150	81	
SBPAFALL	f8Eq9A: Fall in systolic	66	5	12	7	*
			25	16	12	*
			50	20	22	
			75	28	9	*
			95	50	13	*
			100	115	3	*

T3B form8e

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
FM8EDAY	f7Tq2: Days to ETT Study	2453	34.8	43.3	1.0	840.0