

Framingham Heart Study

Original Cohort Exam 8

05/01/1962-12/14/1966
N=4030

Exam Form Version

6-62 Epidemiology Study Part 1: History,
Part 2: Physical examination, Exam VIII
Code Sheet: Card No. 1 & Exam VIII
Code Sheet: Card No. 2
12-62 Exam VI Code Sheet: Card No. 4

Notes on Framingham Heart Study Main Exam Data Collection Forms

Multiple versions of each exam form were used at the time of data collection. However, only one version of each exam form has been provided in the samples below. The other versions, which can be found in the participants' charts, have the same variables as the sample exam forms, but may be placed in a different format.

On some of the sample exam forms, the same variable may be found on two different data sheets. An example of this would be variable "FA159" on original cohort exam 8, which is "Signs of CVA: Aphasia." This variable appears both in the physical examination and Exam VIII Code Sheet Card No. 4. The reason for the reappearance of variables is that one data sheet was used for collection of the data, while the other was used to enter the data into the computer. Variables appearing more than once on an exam form should hold the same value in both places for that particular participant.

VIII

NAME (LAST)	(FIRST)	PRESENT AGE	DATE LAST EXAM. FA30	DATE THIS EXAM.	RECORD NUMBER ID
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1. HOSPITALIZATION SINCE LAST EXAMINATION

None	Reason	Month - Year	Name and Location of Hospital	Days Lost
<input type="checkbox"/>	a. FA61 - FA88			
	b.			

2. ILLNESS AND/OR VISITS TO DOCTOR (Exclude those in Section 1. above)

None	Reason	Doctor	Month - Year
<input type="checkbox"/>	a. FA89 - FA115		
	b.		
	c. Tests done (check)	ECG <input type="checkbox"/>	Chest X-Ray <input type="checkbox"/>
			G.I. Series <input type="checkbox"/>
	1. Result		

3. MEDICINES USED

None		How Long?	Currently	
			Yes	No
<input type="checkbox"/>	a. + Digitalis FA116			
	b. + Nitrites FA117			
	c. + Quinidine FA118			
	d. + Diuretic FA119			
	e. + Hypotensive FA120			
	f. + Hypocholesterol FA121			
	g. + Anticoagulant FA122			
	h. + Thyroid (Specify) FA123			
	i. + Antibacterial (Specify) FA124			

4. DIET

	Type	How Long?	Currently	
			Yes	No
- + Have you followed a diet?	FA125/FA127	FA126/FA128		

5. DIABETES

a. + Do you have diabetes?	FA129
1. Treatment:	Diet only <input type="checkbox"/> Oral medication <input type="checkbox"/> Insulin <input type="checkbox"/> (Specify)
b. + Family members with diabetes (State relationship):	FA130

6. MENOPAUSE

a. + Periods have stopped:	At age _____ FA131
b. Cessation was:	Natural <input type="checkbox"/> Surgical <input type="checkbox"/> Due to radiation <input type="checkbox"/> FA132
1. Ovaries removed:	None <input type="checkbox"/> One <input type="checkbox"/> Both <input type="checkbox"/> Unknown <input type="checkbox"/> FA134
c. + Hormone therapy:	How long? _____ FA136 FA135
	Currently Yes <input type="checkbox"/> No <input type="checkbox"/>

FOOD INTAKE

Time Blood Drawn

HISTORY - EXAM VIII, Continued

7. SMOKING

FA137 a. Do you smoke now? No Yes b. No. cigarettes/day _____ Proportion smoked (circle) $\frac{3}{4}$ $\frac{1}{2}$ $\frac{1}{4}$ FA140

FA138 1. Use filter: No Yes 2. Inhale: No Yes FA139

c. Smoke cigars: No Yes d. Smoke pipe: No Yes FA141

8. SYMPTOMS OF CONGESTIVE HEART FAILURE

None a. Dyspnea on exertion b. Paroxysmal nocturnal dyspnea c. Ankle edema

b. - + Examiner believes subject had CHF since last examination FA142

9. CHEST DISCOMFORT

a. - + Have you had any chest discomfort with exertion or excitement?

b. - + Does it ever occur when you are quiet or resting?

Date of onset: _____ Radiates to: _____

Location: _____ Relieved by: _____

Type: _____ Frequency: _____

Usual duration: _____

c. - + Examiner believes subject has angina pectoris FA143

d. - + Had episode of prolonged chest pain: Describe _____

e. - + Examiner believes subject had coronary insufficiency FA144

f. - + Examiner believes subject had a myocardial infraction FA145

10. CVA (New or Recurrent)

a. - + Noted weakness or paralysis of extremities: Describe _____

b. - + Examiner believes subject had a new stroke FA146

11. PERIPHERAL VASCULAR DISEASE

- + Has calf pain while walking: Distance _____

- + Examiner believes this is intermittent claudication FA147

NOTES:

PART TWO - PHYSICAL EXAMINATION

A. SIGNS LEADING TO A DIAGNOSIS OF HEART DISEASE

1. CHEST

FA148	a. Thorax Normal <input type="checkbox"/> Abnormal <input type="checkbox"/>	Describe	COMMENTS
FA149	b. Breath Sounds Normal <input type="checkbox"/> Abnormal <input type="checkbox"/>	Describe	
FA150	c. Rales None <input type="checkbox"/> Present <input type="checkbox"/>	Type	

2. SYSTOLIC MURMURS (Patient Recumbent)

AREA		GRADE					
None <input type="checkbox"/>	a. Apex FA151	1	2	3	4	5	6
	b. Midprecordium	1	2	3	4	5	6
	c. Left base	1	2	3	4	5	6
	d. Right base FA152	1	2	3	4	5	6
e. Is this a significant murmur?		No <input type="checkbox"/>	If "yes," describe:				
		Yes <input type="checkbox"/>					

3. DIASTOLIC MURMURS FA153

AREA		GRADE			
None <input type="checkbox"/>	a. Mitral	1	2	3	4
	b. Aortic	1	2	3	4
Describe:					

4. ABDOMEN

(CMS in MCL)

FA154	a. Liver palpable	No <input type="checkbox"/>	1	2	3	4
Normal <input type="checkbox"/>	b. Other FA155	abnormality None <input type="checkbox"/>	Describe			

5. PERIPHERAL VESSELS

(Left)

(Right)

Normal <input type="checkbox"/>	a. Ankle edema FA156	0	1	2	3	0	1	2	3
	b. Varices FA157	0	1	2	3	0	1	2	3
	c. Distended neck veins FA158	No <input type="checkbox"/>	Yes <input type="checkbox"/>						

B. SIGNS OF A CEREBROVASCULAR ACCIDENT

None <input type="checkbox"/>	1. Aphasia FA159	None <input type="checkbox"/>	Present <input type="checkbox"/>
	2. Hemiparesis FA160	None <input type="checkbox"/>	L. <input type="checkbox"/> R. <input type="checkbox"/>
	3. Hyperreflexia FA161	None <input type="checkbox"/>	L. <input type="checkbox"/> R. <input type="checkbox"/>
FA162	4. Pathological reflexes	None <input type="checkbox"/>	Present <input type="checkbox"/>
FA163	5. Other significant pathological signs:	None <input type="checkbox"/>	Describe:

PHYSICAL EXAMINATION, EXAM VIII, Continued

C. GENERAL CHARACTERISTICS

1. EYES						COMMENTS
Normal	a. Arcus Senilis	No <input type="checkbox"/>	Yes <input type="checkbox"/>	Grade	0 1 2	
<input type="checkbox"/>	b. Xanthelasma	No <input type="checkbox"/>	L. <input type="checkbox"/>	R. <input type="checkbox"/>	size _____ mm	
2. XANTHOMATA						
None	Present	<input type="checkbox"/>				
<input type="checkbox"/>	Describe:					
3. BREASTS						
Normal	Abnormal	<input type="checkbox"/>				
<input type="checkbox"/>	Describe:					
4. THYROID						
Normal	a. Scar present, otherwise normal	<input type="checkbox"/>				
<input type="checkbox"/>	b. Nodule(s) present					
	Single	<input type="checkbox"/>	Multiple	<input type="checkbox"/>		

NOTES:

D. CLINICAL DIAGNOSTIC IMPRESSION

1. CARDIOVASCULAR IMPRESSION	SECOND OBSERVER'S IMPRESSION
a.	
b.	
c.	
d. Functional class: I II III IV	
2. NON-CARDIOVASCULAR IMPRESSION	
a.	
b.	
c.	
SIGNATURE OF EXAMINER	SECOND OBSERVER

EXAM VIII

INDEX SHEET
Framingham Heart Study

Date of Exam

Name

Age

Type (S or SX)

FA30

FA59

1 - 4

ID

Card No. 1

NUMERICAL DATA

Record Number

WEIGHT	5 - 7 FA2 Pounds		URI-NALYSIS	8 FA3 Sugar 0 - Negative 1 - Positive	9 FA4 Albumin 2 - Doubtful 9 - Unknown	10 FA5 Bacteriuria	VITAL CAPACITY	11 - 13 FA6 Total (Liters)			
	14 - 16 FA7 Systolic			17 - 19 FA8 Diastolic		20 - 22 FA9 Systolic		23 - 25 FA10 Diastolic		26 - 28 FA11 Systolic	
BLOOD PRESSURE (Left arm)	NURSE			FIRST EXAMINER			SECOND EXAMINER				
	32 - 33 FA13 Hematocrit		34 - 36 FA14 Sugar		37 FA15 Fasting 0 - No 1 - Yes 9 - Unknown		38 - 40 FA16 Cholesterol		41 - 43 FA17 Phospholipid		
BLOOD ANALYSIS	44 - 46 FA18/FA19 Triglycerides (centrifuged)			47 - 49 FA20 Triglycerides (whole serum)			50 - 53 FA21 Total Lipids				
	54 FA22 Serum 0 - Clear 1 - Lipemic 9 - Unknown			55 FA23 Latex 0 - Negative - all stages 1 - Positive - Serum 2 - Positive - Euglobulin 3 - Positive - Inhibition 9 - Unknown Left Arm							
	56 - 57 FA24 Skinfold (Millimeters)		58 - 60 FA25 Arm Cir. (Millimeters)		61 - 62 FA26 Skinfold (Millimeters)		63 - 64 FA27 Arm Cir. (Millimeters)				
	Right Arm										

EXAM VIII

IDE SHEET
Framingham Heart Study

Coded by:	Date:
Verified by:	Date:

NAME	DATE OF EXAM
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1 - 4 ID Record Number	Card No. 2 X-RAY REPORT	15 16 FA31 FA32 Exam VII Exam VIII	17 - 19 FA33 Size
CRA function			

CHEST FILM

	20 21	22 23	24*	25*	26*	27*
BEFORE	FA34 FA35 GCE LVH	FA36 FA37 AH RVH	FA38 Other contour	FA39 Pulmonary artery	FA40 Position	FA41 Calcification other than aortic
	28 29	30 31	32*			
AFTER	FA42 FA43 GCE LVH	FA44 FA45 AH RVH	FA46 Other contour			
	33 34 35	36	37*			
AORTA	FA47 FA48 FA49 Asc Arch Desc Tortuous	FA50 Calcified	FA51 Other			
	38*	39*	40*	41*		
NON-CV	FA52 Bone	FA53 Pleural	FA54 Parenchymal	FA55 Other		

CODE:
0 - Normal
1 - Abnormal
2 - Doubtful
X - Normal for entire row
(in Col. 20, 28, 33, 38, or 42)

BONE FILMS

	42*	43*
ARTHRITIS	FA56 Rheumatoid	FA57 Gouty

Heart size	/
CT Ratio	/
Change in heart size since previous exam	Heart Larger <input type="checkbox"/>
	Heart Smaller <input type="checkbox"/>

*Description	
Interpreted by: Lloyd E. Hawes	Cardio-Roentgen Activator Sat. _____ Unsat. _____

Coded by:	Date:
Verified by:	Date:

EXAM VIII CODE SHEET
Framingham Heart Study

1-4
ID
Record Number

MEDICAL HISTORY - Continued

DIABETES		MENOPAUSE						SMOKING				
5	6	7-8	9	10	11	12	13	14-15	16	17	18	19
FA129	FA130	FA131	FA132	FA133	FA134	FA135	FA136	FA137	FA138	FA139	FA140	FA141
Self	Family	At Age	Type	Status Change	Ovarian Status	Present HORMONES	Past	Number of cigarettes	Filter	Inhales	Proportion	Cigars, pipes

CV DISEASE						PHYSICAL EXAMINATION							
20	21	22	23	24	25	CHEST			MURMURS			ABDOMEN	
						26	27	28	29	30	31	32	33
FA142	FA143	FA144	FA145	FA146	FA147	FA148	FA149	FA150	FA151	FA152	FA153	FA154	FA155
CHF	AP	CI	MI	CVA	IC	Thorax	Breath Sounds	Rales	Apex SYSTOLIC	Rt. Base	DIAS.	Liver	Other

PERIPHERAL VESSELS			SIGNS OF CVA					EYES			BREAST	THYROID
34	35	36	37	38	39	40	41	42	43	44	45	46
FA156	FA157	FA158	FA159	FA160	FA161	FA162	FA163	FA164	FA165	FA166	FA167	FA168
Ankle edema	Varices	Neck veins	Aphasia	Hemi-paresis	Hyper-reflexia	Path. reflex.	Other	Arcus senilis	Xanthe-lasma	Xantha-mata		

ECG FINDINGS												
47	48	49	50	51	52-53	54	55	56	57	58	59	60-62
FA169	FA170	FA171	FA172	FA173	FA174	FA175	FA176	FA177	FA178	FA179	FA180	FA181
General Impress.	MI	CI	LVH	IV Block	QRS Interval	AV Conduct.	Non-Sp. T-Wave	Non-Sp. S-T	Arr.	Prem. beats	Other	Ventricular Rate

FINAL DIAGNOSTIC IMPRESSION										
63	64	65	66	67	68	69	70	71	72	73
FA182	FA183	FA184	FA185	FA186	FA187	FA188	FA189	FA190	FA191	FA192
CHD	RHD	HCVD	Untreat. POS. HCVD	Treated	Class BLOOD PRES.	Status	OTHER HD	FUNC. CLASS	CHF	CVA