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Cohort, Exam 4

ECG data: FORM CODE=ECG VERSION=E

Coded - machine

ECGE01		ECG tech code
N	Value	Description
11594	Present	Text suppressed
35		Missing

E	CGE02	ECGsent - same as ECGE57
N	Value	Description
8606	0	No
2990	1	Yes
33		Missing

ECGE04		Filter setting - not used - blank
N	Value	Description
11629		Missing

E	CGE05	Cart code
N	Value	Description
2	00	
2836	01	
3248	05	
1	06	
3184	07	
2325	08	
33		Missing

E	CGE06	Recording date
N	Value	Description
11596	Range	13180 - 14274 (median=13714 mean=13711.9 std=303.3)
33		Missing

ECGE07		Recording time
N	Value	Description
11596	Range	17220 - 51720 (median=32340 mean=32503.3 std=4343.8)
33		Missing

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ECGE07H		Recording time: hour
N	Value	Description
11596	Range	4 - 14 (median=8 mean=8.5 std=1.3)
33		Missing

EC	CGE07M	Recording time: minute
N	Value	Description
11596	Range	0 - 59 (median=30 mean=30.3 std=17.7)
33		Missing

ECGE08		Quality Grade (Noise/mm, Overall drift/mm, Beat to beat drift/mm)
N	Value	Description
8522	1	
2194	2	
538	3	
148	4	
194	5	
33		Missing

Е	CGE09	Minnesota Code L1 (Q-Q.S. Pattern I, aVL, V6)
N	Value	Description
11425	0	No Minnesota Code Equivalent
5	11	Q/R amplitude ratio = 1/3, plus Q duration = 0.03 sec in lead I or V6
4	13	Q duration = 0.04 sec, plus R amplitude = 3 mm in lead a VL
13	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 and < 0.03 sec in lead I or V6
3	22	Q duration = 0.03 sec and < 0.04 sec lead I or V6
80	31	Q/R amplitude ratio = 1/5 and < 1/3, plus Q duration = 0.02 sec and < 0.03 sec in lead I or V6.
15	33	Q duration = 0.03 sec and < 0.04 sec, plus R amplitude = 3 mm in lead aVL.
84		Missing

ECGE10		Minnesota Code F1 (Q-Q.S. Pattern II, III, aVF)
N	Value	Description
11553	Range	0 - 36 (median=0 mean=1.4 std=6.4)
76		Missing

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Е	CGE11	Minnesota Code V1 (Q-Q.S. Pattern V1-V5)
N	Value	Description
11283	0	No Minnesota Code Equivalent
10	11	Q/R amplitude ratio = 1/3 plus Q duration = 0.03 sec in any of leads V2-V5
22	12	Q duration = 0.04 sec in any of leads V1-V5
42	16	QS pattern when initial R-wave is present in adj lead to the right on the chest, in any leads V2-V6
5	17	QS pattern in all of leads V1-V4 or V1-V5
11	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 sec and < 0.03 sec, in any of leads V2-V5
13	27	QS pattern in all of leads V1-V3 (do not code in the presence of 7-1-1
33	28	Initial R amplitude decreasing to 2.0mm or less in every beat
11	31	Q/R amplitude ratio = 1/5 and < 1/3 plus Q duration = 0.02 and < 0.03 sec in any of leads V2, V3, V4, V5.
120	32	QS pattern in lead V1 and V2. (Do not code in the presence of 3-1 or 7-1-1.)
79		Missing

ECGE12		Minnesota Code L4 (ST Junction & Segment Depression I, aVL, V6)
N	Value	Description
11215	0	No Minnesota Code Equivalent
154	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads I, aVL, or V6.
149	3	No STJ depression as much as 0.5 mm but ST segment downward sloping and segment or T-wave nadir = 0.5 mm below P-R baseline, in any of leads I, aVL, or V6.
5	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped, in any of leads I, aVL, or V6.
1	11	
21	12	STJ depression = 1.0 mm but < 2.0 mm, and ST segment horizontal or downward sloping in any of leads I, aVL, or V6.
84		Missing

ECGE13		Minnesota Code F4 (ST Junction & Segment Depression II, III, aVF)
N	Value	Description
11457	0	No Minnesota Code Equivalent
60	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads I, aVL, or V6
28	3	No STJ depression as much as 0.5 mm but ST segment downward sloping and segment or T-wave nadir = 0.5 mm below P-R baseline, in any of leads I, aVL, or V6
2	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped, in any of leads I, aVL, or V6
6	12	STJ depression = 1.0 mm but < 2.0 mm, and ST segment horizontal or downward sloping in any of leads I, aVL, or V6
76		Missing

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ECGE14		Minnesota Code V4 (ST Junction & Segment Depression V1-V5)
N	Value	Description
11303	0	No Minnesota Code Equivalent
134	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads V1 - V5
70	3	No STJ depression as much as 0.5 mm, but ST segment downward sloping and segment or T-wave nadir = 0.5 mm below P-R baseline in any of leads V2 - V5
8	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped in any of leads V1 - V5
3	11	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1-V5
32	12	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1 - V5
79		Missing

ECGE15		Minnesota Code L5 (T Wave I, aVL, V6)
N	Value	Description
10173	0	No Minnesota Code Equivalent
13	1	T amplitude negative 5.0 mm or more in either of leads I, V6, or in lead aVL when R amplitude is = 5.0 mm
377	2	T amplitude negative or diphasic (positive-negative or negative-positive type) with negative phase at least 1.0 mm but not as deep as 5.0 mm in lead I or V6, or in lead aVL when R amplitude is = 5.0 mm
649	3	T amplitude zero (flat), or negative, or diphasic (negative-positive type only) with less than 1.0 mm negative phase in lead I or V6, or in lead aVL when R amplitude is = 5.0 mm
333	4	T amplitude positive and T/R amplitude ratio < 1/20 in any of leads I, aVL, V6; R wave amplitude must be = 10.0 mm.
84		Missing

ECGE16		Minnesota Code F5 (T Wave II, III, aVF)
N	Value	Description
11207	0	No Minnesota Code Equivalent
2	1	T amplitude negative 5.0 mm or more in lead II, or in lead aVF when QRS is mainly upright
111	2	T amplitude negative or diphasic with negative phase (negative-positive or positive-negative type) at least 1.0 mm but not as deep as 5.0 mm in lead II, or in lead aVF when QRS is mainly upright
173	3	T amplitude zero (flat), or negative, or diphasic (negative-positive type only) with less than 1.0 mm negative phase in lead II; not Coded in lead aVF
60	4	T amplitude positive and T/R amplitude ratio < 1/20 in lead II; R wave amplitude must be = 10.0 mm.
76		Missing

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ECGE17		Minnesota Code V5 (T Wave V1-V5)
N	Value	Description
10467	0	No Minnesota Code Equivalent
38	1	T amplitude negative 5.0 mm or more in any of leads V2 - V5
467	2	T amplitude negative (flat), or diphasic (negative-positive or positive-negative type) with negative phase at least 1.0 mm but not as deep as 5.0 mm, in any of leads V2 - V5
255	3	T amplitude zero (flat), or negative, or diphasic (negative-positive type only) with less than 1.0 mm negative phase, in any of leads V3 - V5
323	4	T amplitude positive and T/R amplitude ratio < 1/20 in any of leads V3, V4, V5; R wave amplitude must be = 10.0 mm
79		Missing

ECGE18		Minnesota Code L92 (ST Segment Elevation Anterolateral Site (Leads I, aVL, V6))
N	Value	Description
11544	0	No Minnesota Code Equivalent
1	2	ST segment elevation = 1.0 mm in any of leads I, aVL, V6
84		Missing

ECGE19		Minnesota Code F92 (ST Segment Elevation Posterior (Inferior) Site (Leads II, III, aVF))
N	Value	Description
11550	0	No Minnesota Code Equivalent
3	2	ST segment elevation = 1.0 mm in any of leads II, III, aVF
76		Missing

ECGE20		Minnesota Code V92 ((ST Segment Elevation Anterior Site (Leads V1, V2, V3, V4, V5))
N	Value	Description
11471	0	No Minnesota Code Equivalent
79	2	ST segment elevation = 1.0 mm in lead V5 or ST segment elevation = 2.0 mm in any of leads V1 - V4
79		Missing

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Е	CGE21	Minnesota Code C2 (QRS Axis Deviation Codes)
N	Value	Description
8909	0	No Minnesota Code Equivalent
39	3	Right (optional code when 2-2 is not present). QRS axis from +90° through +119° in leads I, II, III. (The algebraic sum of major positive and major negative QRS waves must be zero or negative in I and positive in II and III.)
1707	11	
521	12	
284	21	Left. QRS axis from -30° through -90° in leads I, II, III. (The algebraic sum of major positive and major negative QRS waves must be zero or positive in I, negative in III, and zero or negative in II.)
86	22	Right. QRS axis from +120° through -150° in leads I, II, III. (The algebraic sum of major positive and major negative QRS waves must be negative in I, and zero or positive in III, and in I must be one-half or more of that in III.)
83		Missing

ECGE22		Minnesota Code C3 (High Amplitude R Wave Codes)
N	Value	Description
10505	0	No Minnesota Code Equivalent
9	2	Right: R amplitude = 5.0 mm and R amplitude = S amplitude in the majority of beats in lead V1, when S amplitude is > R amplitude somewhere to the left on the chest of V1
259	12	
21	13	
381	14	
102	31	Left: R amplitude > 26 mm in either V5 or V6, or R amplitude > 20.0 mm in any of leads I, II, III, aVF, or R amplitude > 12.0 mm in lead aVL. (All criteria measured only on second to last complete normal beat.)
265	32	Right: R amplitude = 5.0 mm and R amplitude = S amplitude in the majority of beats in lead V1, when S amplitude is > R amplitude somewhere to the left on the chest of V1 (codes 7-3 and 3-2, if criteria for both are present).
87		Missing

ECGE23		Minnesota Code C6 (A-V Conduction Defect Codes)
N	Value	Description
10945	0	No Minnesota Code Equivalent
367	3	P-R (P-Q) interval = 0.22 sec in the majority of beats in any of leads I, II, III, aVL, aVF
3	4	
229	5	Short P-R interval. P-R interval < 0.12 sec in all beats of any two of leads I, II, III, aVL, aVF
36	8	
49		Missing

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E	CGE24	Minnesota Code C7 (Ventricular Conduction Defect)
N	Value	Description
9958	0	No Minnesota Code Equivalent
121	1	
282	2	
194	3	Incomplete right bundle branch block. QRS duration < 0.12 sec in each of leads I, II, III, aVL, aVF, and R' > R in either of leads V1, V2
238	4	Intraventricular block. QRS duration = 0.12 sec in a majority of beats in any of leads I, II, III, aVL, aVF. (7-4 suppresses all 2, 3, 4, 5, 9-2, 9-4, 9-5 codes.)
246	5	R-R' pattern in either of leads V1, V2 with R' amplitude = R.
506	6	Incomplete left bundle branch block. (Do not code in the presence of any codable Q- or QS-wave.) QRS duration = 0.10 sec and < 0.12 in the majority of beats of each of leads I, aVL, and V5 or V6.
84		Missing

ECGE25		Minnesota Code C91 (Low QRS Amplitude)
N	Value	Description
11363	0	No Minnesota Code Equivalent
186	1	Low QRS amplitude. QRS peak-to-peak amplitude < 5 mm in all beats in each of leads I, II, III, or < 10 mm in all beats in each of leads V1 - V6. (Check calibration before coding.)
80		Missing

ECGE26		Minnesota Code C93 (P-Wave Amplitude > 2.5 MM In Any of Leads II, III, aVF in Majority of Beats)
N	Value	Description
11530	0	No Minnesota Code Equivalent
20	3	P-wave amplitude = 2.5 mm in any of leads II, III, aVF, in a majority of beats.
79		Missing

ECGE27		Minnesota Code C94 (QRS Transition Zone)
N	Value	Description
3829	0	No Minnesota Code Equivalent
6896	1	QRS transition zone at V3 or to the right of V3 on the chest. (Do not code in the presence of 6-4-1, 7-1-1, 7-2-1 or 7-4.)
828	2	QRS transition zone at V4 or to the left of V4 on the chest. (Do not code in the presence of 6-4-1, 7-1-1, 7-2-1 or 7-4.)
76		Missing

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ECGE28		Minnesota Code C95 (T-Wave Amplitude)
N	Value	Description
11450	0	No Minnesota Code Equivalent
92	5	T-wave amplitude > 12 mm in any of leads I, II, III, aVL, aVF, V1, V2, V3, V4, V5, V6. (Do not code in the presence of 6-4-1, 7-1-1, 7-2-1 or 7-4.)
87		Missing

ECGE29		Minnesota Code E7 (Duration Criteria for R-E Score for LVH)
N	Value	Description
7616	0	No Minnesota Code Equivalent
3937	7	QRS Duration > 90 MS OR Intrinscord Deflection V5 OR V6 > 50 MS
76		Missing

ECGE30		CIIS Value
N	Value	Description
11541	Range	-20.99 - 51.83 (median=3.64 mean=5.017 std=10.194)
88		Missing

ECGE31		Heart Rate
N	Value	Description
11553	Range	34 - 132 (median=62 mean=62.9 std=10.2)
76		Missing

ECGE32		Q Or Qs Amplitude:I
N	Value	Description
11553	Range	0 - 553 (median=30 mean=39.2 std=46.0)
76		Missing

ECGE33		Q Or Qs Amplitude:III
N	Value	Description
11553	Range	0 - 2490 (median=0 mean=92.8 std=185.8)
76		Missing

ECGE34		Q Or Qs Amplitude:V5
N	Value	Description
11553	Range	0 - 903 (median=21 mean=36.5 std=53.1)
76		Missing

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E	CGE35	Q Or Qs Amplitude:V6
N	Value	Description
11552	Range	0 - 662 (median=34 mean=44.7 std=50.2)
77		Missing

ECGE36		R Amplitude:I
N	Value	Description
11553	Range	0 - 2697 (median=817 mean=845.9 std=334.6)
76		Missing

ECGE37		R Amplitude:III
N	Value	Description
11553	Range	0 - 1870 (median=141 mean=228.1 std=236.9)
76		Missing

ECGE38		R Amplitude:aVL
N	Value	Description
11546	Range	0 - 2966 (median=533 mean=569.5 std=343.5)
83		Missing

ECGE39		R Amplitude:V2
N	Value	Description
11551	Range	0 - 3282 (median=431 mean=498.0 std=335.3)
78		Missing

ECGE40		R Amplitude:V5
N	Value	Description
11553	Range	0 - 4823 (median=1344 mean=1400.8 std=509.5)
76		Missing

ECGE41		R Amplitude:V6
N	Value	Description
11552	Range	0 - 3560 (median=1046 mean=1095.1 std=402.8)
77		Missing

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ECGE42		S Amplitude:I
N	Value	Description
11553	Range	-1299 - 0 (median=0 mean=-64.3 std=95.2)
76		Missing

ECGE43		S Amplitude:III
N	Value	Description
11553	Range	-3809 - 0 (median=-183 mean=-321.2 std=385.1)
76		Missing

ECGE44		S Amplitude:V1
N	Value	Description
11553	Range	-4569 - 0 (median=-726 mean=-754.2 std=463.0)
76		Missing

ECGE45		S Amplitude: V2
N	Value	Description
11551	Range	-5176 - 0 (median=-994 mean=-1052.5 std=563.4)
78		Missing

ECGE46		S Amplitude: V5
N	Value	Description
11553	Range	-1651 - 0 (median=-168 mean=-212.6 std=207.3)
76		Missing

ECGE47		S Amplitude: V6
N	Value	Description
11552	Range	-1318 - 0 (median=0 mean=-68.4 std=110.3)
77		Missing

ECGE48		T negative Amplitude:aVL
N	Value	Description
11546	Range	-546 - 0 (median=0 mean=-11.6 std=40.3)
83		Missing

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ECGE49		T negative Amplitude:aVF
N	Value	Description
11553	Range	-398 - 0 (median=0 mean=-4.0 std=20.7)
76		Missing

ECGE50		T negative Amplitude:V6
N	Value	Description
11552	Range	-1054 - 0 (median=0 mean=-9.2 std=46.7)
77		Missing

ECGE51		T positive Amplitude:aVR
N	Value	Description
11553	Range	0 - 521 (median=0 mean=2.8 std=21.4)
76		Missing

ECGE52		T positive Amplitude:V1
N	Value	Description
11553	Range	0 - 1143 (median=23 mean=97.4 std=129.3)
76		Missing

ECGE53		T positive Amplitude:V6
N	Value	Description
11552	Range	0 - 1099 (median=209 mean=214.9 std=128.6)
77		Missing

ECGE54		QRS Interval
N	Value	Description
11553	Range	57 - 453 (median=95 mean=97.5 std=15.2)
76		Missing

ECGE55		OE measurement
N	Value	Description
11595	Range	7 - 950 (median=130 mean=131.1 std=25.7)
34		Missing

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ECGE56		OV6 measurement
N	Value	Description
11595	Range	2 - 310 (median=170 mean=172.1 std=25.2)
34		Missing

ECGE57		V4 ECG sent to Minn
N	Value	Description
8606	0	No
2990	1	Yes
33		Missing

ECGE58		V4 ECG abnormal sent
N	Value	Description
9547	0	No
2049	1	Yes
33		Missing

ECGE59		V4 & V1 sent for serial change
N	Value	Description
11629		Missing

ECGE60		V4 - Not significant - random sample
N	Value	Description
10655	0	
941	1	
33		Missing

ECGECY		Contact year
N	Value	Description
11629	10	

ECGEFLAG		Indicator For Presence Of Form
N	Value	Description
11629	1	

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ID		ARIC particpant ID
N	Value	Description
11629	Present	Text suppressed

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