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ECG data: FORM CODE=ECG VERSION=C

Coded - machine

ECGC01		*ECGTech Code*
N	*Value*	*Description*
14303	Present	Text suppressed
2		Missing

ECGC02		*ECGsent - Same As ECGC55*
N	*Value*	*Description*
11428	0	No
2877	1	Yes

ECGC04		*Filter Setting*
N	*Value*	*Description*
14249	16	
56		Missing

ECGC05		*Cart Code*
N	*Value*	*Description*
1229	01	
3823	05	
3693	07	
3110	08	
2450	09	

ECGC06		*Recording Date*
N	*Value*	*Description*
14305	Range	01/04/1984 - 03/24/1993

ECGC07		*Recording Time*
N	*Value*	*Description*
14305	Range	5:30 - 16:13

ECGC07H		*Recording Time - Hour*
N	*Value*	*Description*
14305	Range	5 - 16 (median=10 mean=9.9 std=1.4)

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ECGC07M		*Recording Time - Minute*
N	*Value*	*Description*
14305	Range	0 - 59 (median=30 mean=29.5 std=17.5)

ECGC08		*Quality Grade (Noise/mm, Overall drift/mm, Beat to beat drift/mm)*
N	*Value*	*Description*
8523	1	
4306	2	
962	3	
249	4	
265	5	

ECGC09		*Minnesota Code L1 (Q-Q.S. Pattern I, aVL, V6)*
N	*Value*	*Description*
14153	0	No Minnesota Code Equivalent
7	11	Q/R amplitude ratio = 1/3, plus Q duration = 0.03 sec in lead I or V6
6	13	Q duration = 0.04 sec, plus R amplitude = 3 mm in lead a VL
9	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 and < 0.03 sec in lead I or V6
4	22	Q duration = 0.03 sec and < 0.04 sec lead I or V6
79	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.
32		Missing

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ECGC10		*Minnesota Code F1 (Q-Q.S. Pattern II, III, aVF)*
N	*Value*	*Description*
13700	0	No Minnesota Code Equivalent
14	11	Q/R amplitude ratio = 1/3, plus Q duration = 0.03 sec in lead II.
3	12	Q duration = 0.04 sec in lead II.
14	14	Q duration = 0.05 sec in lead III, plus a Q-wave amplitude = 1.0 mm in the majority of beats in lead aVF.
2	15	Q duration = 0.05 sec in lead aVF.
57	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 sec and < 0.03 sec in lead II.
4	22	Q duration = 0.03 sec and < 0.04 sec in lead II.
33	23	QS pattern in lead II. Do not code in the presence of 7-1-1.
52	24	Q duration = 0.04 sec and < 0.05 sec in lead III, plus a Q-wave ! 1.0 mm amplitude in the majority of beats in aVF.
6	25	Q duration = 0.04 sec and < 0.05 sec in lead aVF.
150	26	Q amplitude = 5.0 mm in leads III or aVF.
42	31	Q/R amplitude ratio = 1/5 and < 1/3, plus Q duration = 0.02 sec and < 0.03 sec in lead II.
86	34	Q duration = 0.03 sec and < 0.04 sec in lead III, plus a Q-wave = 1.0 mm amplitude in the majority of beats in lead aVF.
5	35	Q duration = 0.03 sec and < 0.04 sec in lead aVF.
117	36	QS pattern in each of leads III and aVF. (Do not code in the presence of 7-1-1.)
20		Missing

ECGC11		*Minnesota Code V1 (Q-Q.S. Pattern V1-V5)*
N	*Value*	*Description*
13918	0	No Minnesota Code Equivalent
28	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
31	16	QS pattern when initial R-wave is present in adj lead to the right on the chest, in any leads V2-V6
8	17	QS pattern in all of leads V1-V4 or V1-V5
6	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 sec and < 0.03 sec, in any of leads V2-V5
26	27	QS pattern in all of leads V1-V3 (do not code in the presence of 7-1-1
55	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.
131	32	QS pattern in lead V1 and V2. (Do not code in the presence of 3-1 or 7-1-1.)
69		Missing

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ECGC12		*Minnesota Code L4 (ST Junction & Segment Depression I, aVL, V6)*
N	*Value*	*Description*
13947	0	No Minnesota Code Equivalent
24	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.
132	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.
168	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.
3	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped, in any of leads I, aVL, or V6.
31		Missing

ECGC13		*Minnesota Code F4 (ST Junction & Segment Depression II, III, aVF)*
N	*Value*	*Description*
14131	0	No Minnesota Code Equivalent
3	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
77	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
68	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
6	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped, in any of leads I, aVL, or V6
20		Missing

ECGC14		*Minnesota Code V4 (ST Junction & Segment Depression V1-V5)*
N	*Value*	*Description*
14000	0	No Minnesota Code Equivalent
4	11	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1-V5
24	12	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1 - V5
115	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads V1 - V5
85	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
9	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped in any of leads V1 - V5
68		Missing

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ECGC15		*Minnesota Code L5 (T Wave I, aVL, V6)*
N	*Value*	*Description*
12652	0	No Minnesota Code Equivalent
9	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
397	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
784	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
433	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.
30		Missing

ECGC16		*Minnesota Code F5 (T Wave II, III, aVF)*
N	*Value*	*Description*
13739	0	No Minnesota Code Equivalent
174	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
263	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
109	4	T amplitude positive and T/R amplitude ratio < 1/20 in lead II; R wave amplitude must be = 10.0 mm.
20		Missing

ECGC17		*Minnesota Code V5 (T Wave V1-V5)*
N	*Value*	*Description*
12826	0	No Minnesota Code Equivalent
31	1	T amplitude negative 5.0 mm or more in any of leads V2 - V5
594	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
364	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
425	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
65		Missing

ECGC18		*Minnesota Code L92 (ST Segment Elevation Anterolateral Site (Leads I, aVL, V6))*
N	*Value*	*Description*
14267	0	No Minnesota Code Equivalent
6	2	ST segment elevation = 1.0 mm in any of leads I, aVL, V6
32		Missing

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ECGC19		*Minnesota Code F92 (ST Segment Elevation Posterior (Inferior) Site (Leads II, III, aVF))*
N	*Value*	*Description*
14273	0	No Minnesota Code Equivalent
12	2	ST segment elevation = 1.0 mm in any of leads II, III, aVF
20		Missing

ECGC20		*Minnesota Code V92 ((ST Segment Elevation Anterior Site (Leads V1, V2, V3, V4, V5))*
N	*Value*	*Description*
14037	0	No Minnesota Code Equivalent
200	2	ST segment elevation = 1.0 mm in lead V5 or ST segment elevation = 2.0 mm in any of leads V1 - V4
68		Missing

ECGC21		*Minnesota Code C2 (QRS Axis Deviation Codes)*
N	*Value*	*Description*
11378	0	No Minnesota Code Equivalent
1679	11	
591	12	
516	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.)
78	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.)
36	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.)
27		Missing

ECGC22		*Minnesota Code C3 (High Amplitude R Wave Codes)*
N	*Value*	*Description*
13006	0	No Minnesota Code Equivalent
280	12	
43	13	
386	14	
14	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
96	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.)
401	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).
79		Missing

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ECGC23		*Minnesota Code C6 (AV Conduction Defect Codes)*
N	*Value*	*Description*
13530	0	No Minnesota Code Equivalent
437	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	
263	5	Short P-R interval. P-R interval < 0.12 sec in all beats of any two of leads I, II, III, aVL, aVF
14	8	
58		Missing

ECGC24		*Minnesota Code C7 (Ventricular Conduction Defect)*
N	*Value*	*Description*
12486	0	No Minnesota Code Equivalent
103	1	
195	2	
166	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
270	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.)
261	5	R-R' pattern in either of leads V1, V2 with R' amplitude = R.
754	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.
70		Missing

ECGC25		*Minnesota Code C91 (Low QRS Amplitude)*
N	*Value*	*Description*
14027	0	No Minnesota Code Equivalent
209	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.)
69		Missing

ECGC26		*Minnesota Code C93 (P-Wave Amplitude > 2.5 MM In Any of Leads II, III, aVF in Majority of Beats)*
N	*Value*	*Description*
14223	0	No Minnesota Code Equivalent
21	3	P-wave amplitude = 2.5 mm in any of leads II, III, aVF, in a majority of beats.
61		Missing

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ECGC27		*Minnesota Code C94 (QRS Transition Zone)*
N	*Value*	*Description*
4942	0	No Minnesota Code Equivalent
8325	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.)
1038	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.)

ECGC28		*Minnesota Code C95 (T-Wave Amplitude)*
N	*Value*	*Description*
14147	0	No Minnesota Code Equivalent
79	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.)
79		Missing

ECGC29		*Minnesota Code E7 (Duration Criteria for R-E Score for LVH)*
N	*Value*	*Description*
8674	0	No Minnesota Code Equivalent
5631	7	QRS Duration > 90 MS OR Intrinscord Deflection V5 OR V6 > 50 MS

ECGC30		*CIIS Value*
N	*Value*	*Description*
14222	Range	-20.17 - 52.95999 (median=3.44 mean=4.817 std=9.960)
83		Missing

ECGC31		*Heart Rate*
N	*Value*	*Description*
14288	Range	33 - 200 (median=65 mean=65.9 std=10.4)
17		Missing

ECGC32		*Q Or QS Amplitude:I*
N	*Value*	*Description*
14288	Range	0 - 477 (median=29 mean=37.9 std=44.6)
17		Missing

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ECGC33		*Q Or QS Amplitude:III*
N	*Value*	*Description*
14286	Range	0 - 2222 (median=0 mean=79.7 std=159.8)
19		Missing

ECGC34		*Q Or QS Amplitude:V5*
N	*Value*	*Description*
14274	Range	0 - 1213 (median=20 mean=35.8 std=51.7)
31		Missing

ECGC35		*Q Or QS Amplitude:V6*
N	*Value*	*Description*
14280	Range	0 - 728 (median=35 mean=45.0 std=49.2)
25		Missing

ECGC36		*R Amplitude:I*
N	*Value*	*Description*
14288	Range	0 - 2722 (median=773 mean=808.2 std=335.4)
17		Missing

ECGC37		*R Amplitude:III*
N	*Value*	*Description*
14286	Range	0 - 2553 (median=184 mean=293.7 std=288.2)
19		Missing

ECGC38		*R Amplitude:aVL*
N	*Value*	*Description*
14281	Range	0 - 2756 (median=448 mean=500.2 std=341.8)
24		Missing

ECGC39		*R Amplitude:V2*
N	*Value*	*Description*
14259	Range	0 - 4181 (median=428 mean=486.3 std=311.1)
46		Missing

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ECGC40		*R Amplitude:V5*
N	*Value*	*Description*
14274	Range	0 - 6015 (median=1317 mean=1372.1 std=498.3)
31		Missing

ECGC41		*R Amplitude:V6*
N	*Value*	*Description*
14280	Range	27 - 4794 (median=1043 mean=1090.0 std=395.5)
25		Missing

ECGC42		*S Amplitude:I*
N	*Value*	*Description*
14288	Range	-953 - 0 (median=-31 mean=-68.5 std=93.6)
17		Missing

ECGC43		*S Amplitude:III*
N	*Value*	*Description*
14286	Range	-3061 - 0 (median=-125 mean=-278.6 std=362.0)
19		Missing

ECGC44		*S Amplitude:V1*
N	*Value*	*Description*
14275	Range	-4342 - 0 (median=-770 mean=-809.0 std=461.9)
30		Missing

ECGC45		*S Amplitude:V2*
N	*Value*	*Description*
14259	Range	-5731 - 0 (median=-1007 mean=-1071.9 std=549.2)
46		Missing

ECGC46		*S Amplitude:V5*
N	*Value*	*Description*
14274	Range	-1970 - 0 (median=-174 mean=-213.7 std=197.8)
31		Missing

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ECGC47		*S Amplitude:V6*
N	*Value*	*Description*
14280	Range	-1153 - 0 (median=-29 mean=-73.0 std=107.2)
25		Missing

ECGC48		*T negative Amplitude:aVL*
N	*Value*	*Description*
14281	Range	-680 - 0 (median=0 mean=-9.9 std=35.6)
24		Missing

ECGC49		*T negative Amplitude:aVF*
N	*Value*	*Description*
14287	Range	-434 - 0 (median=0 mean=-4.6 std=21.6)
18		Missing

ECGC50		*T negative Amplitude:V6*
N	*Value*	*Description*
14280	Range	-1049 - 0 (median=0 mean=-7.7 std=40.3)
25		Missing

ECGC51		*T positive Amplitude:aVR*
N	*Value*	*Description*
14288	Range	0 - 520 (median=0 mean=2.4 std=19.0)
17		Missing

ECGC52		*T positive Amplitude:V1*
N	*Value*	*Description*
14275	Range	0 - 1139 (median=41 mean=105.0 std=133.6)
30		Missing

ECGC53		*T positive Amplitude:V6*
N	*Value*	*Description*
14280	Range	0 - 1216 (median=194 mean=200.7 std=122.5)
25		Missing

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ECGC54		*QRS Interval*
N	*Value*	*Description*
14305	Range	56 - 233 (median=97 mean=98.7 std=12.9)

ECGC55		*V2 ECG Sent To Minn*
N	*Value*	*Description*
11428	0	No
2877	1	Yes

ECGC56		*V2 ECG Abnormal Sent*
N	*Value*	*Description*
12767	0	No
1538	1	Yes

ECGC57		*V2 & V1 Sent For Serial Change*
N	*Value*	*Description*
14169	0	No
136	1	Yes

ECGC58		*V2 - Not Significant - Random Sample*
N	*Value*	*Description*
13025	0	
1280	1	

ECGC59		*V2 & V1 Serial Change QC*
N	*Value*	*Description*
13822	0	
431	1	
52	2	

ECGC60		*V1 ECG Sent*
N	*Value*	*Description*
13686	0	No
619	1	Yes

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ECGCCY		*Contact Year*
N	*Value*	*Description*
14305	4	

ECGCFLAG		*ECGCFLAG*
N	*Value*	*Description*
14305	1	

ID		*Aric ID (Cir)*
N	*Value*	*Description*
14305	Present	Text suppressed