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ECG data

Composite, with adjudications

ECGMC01		*ECG Tech Code*
N	*Value*	*Description*
12778	Present	Text suppressed
1		Missing

ECGMC04		*Filter Setting - Not Used - Blank*
N	*Value*	*Description*
12779		Missing

ECGMC05		*Cart Code*
N	*Value*	*Description*
12779	Present	Text suppressed

ECGMC06		*Recording Date*
N	*Value*	*Description*
12779	Range	07/13/1992 - 02/05/1996

ECGMC07		*Recording Time*
N	*Value*	*Description*
12779	Range	4:55 - 15:14

ECGMC07H		*Recording Time - Hour*
N	*Value*	*Description*
12779	Range	4 - 15 (median=10 mean=9.9 std=1.3)

ECGMC07M		*Recording Time - Minute*
N	*Value*	*Description*
12779	Range	0 - 59 (median=29 mean=29.4 std=17.3)

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ECGMC08		*Quality Grade (Noise/mm, Overall drift/mm, Beat to beat drift/mm)*
N	*Value*	*Description*
8925	1	
2922	2	
584	3	
171	4	
177	5	

ECGMC09		*Minnesota Code L1 (Q-Q.S. Pattern I, aVL, V6)*
N	*Value*	*Description*
12649	0	No Minnesota Code Equivalent
6	11	Q/R amplitude ratio = 1/3, plus Q duration = 0.03 sec in lead I or V6
8	13	Q duration = 0.04 sec, plus R amplitude = 3 mm in lead a VL
5	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 and < 0.03 sec in lead I or V6
7	22	Q duration = 0.03 sec and < 0.04 sec lead I or V6
3	28	Initial R amplitude decreasing to 2 mm or less in every beat (and absence of codes 3-2, 7-1-1, 7-2-1, or 7-3 between V5 and V6. (All beats in lead V5 must have an initial R > 2 mm.)
33	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.
27	33	Q duration = 0.03 sec and < 0.04 sec, plus R amplitude = 3 mm in lead aVL.
41		Missing

ECGMC10		*Minnesota Code F1 (Q-Q.S. Pattern II, III, aVF)*
N	*Value*	*Description*
12745	Range	0 - 36 (median=0 mean=0.9 std=5.1)
34		Missing

ECGMC11		*Minnesota Code V1 (Q-Q.S. Pattern V1-V5)*
N	*Value*	*Description*
12749	Range	0 - 32 (median=0 mean=0.3 std=2.9)
30		Missing

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ECGMC12		*Minnesota Code L4 (ST Junction & Segment Depression I, aVL, V6)*
N	*Value*	*Description*
12414	0	No Minnesota Code Equivalent
111	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.
193	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.
2	11	
13	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.
44		Missing

ECGMC13		*Minnesota Code F4 (ST Junction & Segment Depression II, III, aVF)*
N	*Value*	*Description*
12623	0	No Minnesota Code Equivalent
34	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
74	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
7	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
35		Missing

ECGMC14		*Minnesota Code V4 (ST Junction & Segment Depression V1-V5)*
N	*Value*	*Description*
12485	0	No Minnesota Code Equivalent
105	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads V1 - V5
121	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
12	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped in any of leads V1 - V5
6	11	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1-V5
20	12	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1 - V5
30		Missing

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ECGMC15		*Minnesota Code L5 (T Wave I, aVL, V6)*
N	*Value*	*Description*
11033	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
389	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
844	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
457	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.
43		Missing

ECGMC16		*Minnesota Code F5 (T Wave II, III, aVF)*
N	*Value*	*Description*
12192	0	No Minnesota Code Equivalent
145	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
301	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
106	4	T amplitude positive and T/R amplitude ratio < 1/20 in lead II; R wave amplitude must be = 10.0 mm.
35		Missing

ECGMC17		*Minnesota Code V5 (T Wave V1-V5)*
N	*Value*	*Description*
11256	0	No Minnesota Code Equivalent
36	1	T amplitude negative 5.0 mm or more in any of leads V2 - V5
538	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
439	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
480	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
30		Missing

ECGMC18		*Minnesota Code L92 (ST Segment Elevation Anterolateral Site (Leads I, aVL, V6))*
N	*Value*	*Description*
12733	0	No Minnesota Code Equivalent
2	2	ST segment elevation = 1.0 mm in any of leads I, aVL, V6
44		Missing

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ECGMC19		*Minnesota Code F92 (ST Segment Elevation Posterior (Inferior) Site (Leads II, III, aVF))*
N	*Value*	*Description*
12736	0	No Minnesota Code Equivalent
8	2	ST segment elevation = 1.0 mm in any of leads II, III, aVF
35		Missing

ECGMC20		*Minnesota Code V92*
N	*Value*	*Description*
12659	0	No Minnesota Code Equivalent
89	2	ST segment elevation = 1.0 mm in lead V5 or ST segment elevation = 2.0 mm in any of leads V1 - V4
31		Missing

ECGMC21		*Minnesota Code C2 (QRS Axis Deviation Codes)*
N	*Value*	*Description*
10251	0	No Minnesota Code Equivalent
11	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.)
1605	11	
492	12	
348	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.)
24	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.)
48		Missing

ECGMC22		*Minnesota Code C3 (High Amplitude R Wave Codes)*
N	*Value*	*Description*
11670	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
1	11	
240	12	
30	13	
383	14	
108	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.)
289	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).
49		Missing

ECGMC23		*Minnesota Code C6 (A-V Conduction Defect Codes)*
N	*Value*	*Description*
12023	0	No Minnesota Code Equivalent
463	3	P-R (P-Q) interval = 0.22 sec in the majority of beats in any of leads I, II, III, aVL, aVF
1	4	
242	5	Short P-R interval. P-R interval < 0.12 sec in all beats of any two of leads I, II, III, aVL, aVF
22	8	Artificial pacemaker.
1	41	Wolff-Parkinson-White Pattern (WPW), persistent. Sinus P-wave. P-R interval < 0.12 sec, plus QRS duration = 0.12 sec, plus R peak duration = 0.06 sec, coexisting in the same beat and present in the majority of beats in any of leads I, II, aVL, V4, V5, V6.
27		Missing

ECGMC24		*Minnesota Code C7 (Ventricular Conduction Defect)*
N	*Value*	*Description*
11355	0	No Minnesota Code Equivalent
92	1	
187	2	
243	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
51	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.)
245	5	R-R' pattern in either of leads V1, V2 with R' amplitude = R.
477	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.
58	11	Complete left bundle branch block (LBBB). (Do not code in presence of 6-1, 6-4-1, 6-8, 8-2-1 or 8-2-2.) QRS duration = 0.12 sec in a majority of beats in any of leads I, II, III, aVL, aVF, plus R peak duration ! 0.06 sec in a majority of beats (of the sam
23	21	Complete right bundle branch block (RBBB). (Do not code in the presence of 6-1, 6-4-1, 6-8, 8-2-1 or 8-2-2.) QRS duration = 0.12 sec in a majority of beats in any of leads I, II, III, aVL, aVF, plus: R' > R in V1 or V2; or QRS mainly upright, with R peak
48		Missing

ECGMC25		*Minnesota Code C91 (Low QRS Amplitude)*
N	*Value*	*Description*
12558	0	No Minnesota Code Equivalent
188	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.)
33		Missing

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ECGMC26		*Minnesota Code C93 (P-Wave Amplitude > 2.5 MM In Any of Leads II, III, aVF in Majority of Beats)*
N	*Value*	*Description*
12735	0	No Minnesota Code Equivalent
13	3	P-wave amplitude = 2.5 mm in any of leads II, III, aVF, in a majority of beats.
31		Missing

ECGMC27		*Minnesota Code C94 (QRS Transition Zone)*
N	*Value*	*Description*
4333	0	No Minnesota Code Equivalent
7735	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.)
689	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.)
22		Missing

ECGMC28		*Minnesota Code C95 (T-Wave Amplitude)*
N	*Value*	*Description*
12684	0	No Minnesota Code Equivalent
45	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.)
50		Missing

ECGMC29		*Minnesota Code E7*
N	*Value*	*Description*
8199	0	No Minnesota Code Equivalent
4558	7	QRS Duration > 90 MS OR Intrinscord Deflection V5 OR V6 > 50 MS
22		Missing

ECGMC30		*CIIS Value*
N	*Value*	*Description*
12727	Range	-19.45 - 52.77 (median=4.58 mean=5.796 std=10.176)
52		Missing

ECGMC31		*Heart Rate*
N	*Value*	*Description*
12750	Range	30 - 125 (median=65 mean=65.6 std=10.1)
29		Missing

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ECGMC32		*Q Or QS Amplitude:I*
N	*Value*	*Description*
12747	Range	0 - 539 (median=29 mean=38.6 std=45.5)
32		Missing

ECGMC33		*Q Or QS Amplitude:III*
N	*Value*	*Description*
12749	Range	0 - 2193 (median=0 mean=84.6 std=168.0)
30		Missing

ECGMC34		*Q Or QS Amplitude:V5*
N	*Value*	*Description*
12749	Range	0 - 866 (median=21 mean=36.3 std=51.9)
30		Missing

ECGMC35		*Q Or QS Amplitude:V6*
N	*Value*	*Description*
12748	Range	0 - 633 (median=34 mean=44.5 std=49.3)
31		Missing

ECGMC36		*R Amplitude:I*
N	*Value*	*Description*
12747	Range	0 - 3525 (median=793 mean=822.6 std=329.9)
32		Missing

ECGMC37		*R Amplitude:III*
N	*Value*	*Description*
12749	Range	0 - 2821 (median=174 mean=277.7 std=280.9)
30		Missing

ECGMC38		*R Amplitude:aVL*
N	*Value*	*Description*
12738	Range	0 - 3116 (median=479 mean=525.0 std=342.8)
41		Missing

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ECGMC39		*R Amplitude:V2*
N	*Value*	*Description*
12750	Range	0 - 2908 (median=428 mean=489.2 std=321.4)
29		Missing

ECGMC40		*R Amplitude:V5*
N	*Value*	*Description*
12749	Range	0 - 5658 (median=1307 mean=1359.8 std=492.6)
30		Missing

ECGMC41		*R Amplitude:V6*
N	*Value*	*Description*
12748	Range	0 - 4761 (median=1020 mean=1065.2 std=385.3)
31		Missing

ECGMC42		*S Amplitude:I*
N	*Value*	*Description*
12747	Range	-967 - 0 (median=-29 mean=-68.4 std=94.1)
32		Missing

ECGMC43		*S Amplitude:III*
N	*Value*	*Description*
12749	Range	-3416 - 0 (median=-145 mean=-299.5 std=380.1)
30		Missing

ECGMC44		*S Amplitude:V1*
N	*Value*	*Description*
12750	Range	-4949 - 0 (median=-724 mean=-760.5 std=456.9)
29		Missing

ECGMC45		*S Amplitude:V2*
N	*Value*	*Description*
12750	Range	-6450 - 0 (median=-975 mean=-1039.0 std=551.3)
29		Missing

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ECGMC46		*S Amplitude:V5*
N	*Value*	*Description*
12749	Range	-1730 - 0 (median=-168 mean=-205.1 std=193.0)
30		Missing

ECGMC47		*S Amplitude:V6*
N	*Value*	*Description*
12748	Range	-1226 - 0 (median=-26 mean=-71.2 std=105.7)
31		Missing

ECGMC48		*T negative Amplitude:aVL*
N	*Value*	*Description*
12738	Range	-582 - 0 (median=0 mean=-11.1 std=37.3)
41		Missing

ECGMC49		*T negative Amplitude:aVF*
N	*Value*	*Description*
12749	Range	-472 - 0 (median=0 mean=-5.0 std=23.4)
30		Missing

ECGMC50		*T negative Amplitude:V6*
N	*Value*	*Description*
12748	Range	-746 - 0 (median=0 mean=-9.0 std=43.0)
31		Missing

ECGMC51		*T positive Amplitude:aVR*
N	*Value*	*Description*
12749	Range	0 - 445 (median=0 mean=3.0 std=21.4)
30		Missing

ECGMC52		*T positive Amplitude:V1*
N	*Value*	*Description*
12750	Range	0 - 1237 (median=0 mean=87.7 std=125.3)
29		Missing

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ECGMC53		*T positive Amplitude:V6*
N	*Value*	*Description*
12748	Range	0 - 844 (median=176 mean=182.1 std=117.5)
31		Missing

ECGMC54		*QRS Interval*
N	*Value*	*Description*
12751	Range	55 - 367 (median=95 mean=96.9 std=15.6)
28		Missing

ECGMC55		*OE Measurement*
N	*Value*	*Description*
12778	Range	8 - 950 (median=130 mean=127.8 std=28.9)
1		Missing

ECGMC56		*OV6 Measurement*
N	*Value*	*Description*
12778	Range	13 - 630 (median=170 mean=172.0 std=32.8)
1		Missing

ECGMC57		*V3 ECG Sent To Minn*
N	*Value*	*Description*
10172	0	
2607	1	

ECGMC58		*V3 ECG Abnormal Sent*
N	*Value*	*Description*
11262	0	
1517	1	

ECGMC60		*V3 - Not Significant - Random Sample*
N	*Value*	*Description*
11716	0	
1063	1	

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ECGMCCY		*Contact Year*
N	*Value*	*Description*
12779	7	

ECGMCFLG		*ECGMC Record Present*
N	*Value*	*Description*
12779	1	

ID		*Aric Participant ID*
N	*Value*	*Description*
12779	Present	Text suppressed