

CHD Cohort Surveillance**ECG**

Data set name: C22CEMA1_NP

ECG

CEAD01		ECG Technician - 1st ECG
N	Value	Description
135	0	
10710	999	
5		Missing

CEAD02_FOLLOW UPDAYS		Days Of Follow Up From Visit 1 To Ecg Date - 1st Ecg
N	Value	Description
10847	Range	2 - 13097 (median=5891 mean=6044.0 std=3382.0)
3		Missing

CEAD02_YEAR		Year Of Ecg Date - 1st Ecg
N	Value	Description
10847	Range	1987 - 2022 (median=2004 mean=2004.7 std=9.3)
3		Missing

CEAD03		ECG Coder - 1st ECG
N	Value	Description
10848	Present	Text suppressed
2		Missing

CEAD04_FOLLOW UPDAYS		Days Of Follow Up From Visit 1 To Date Coded - 1st Ecg
N	Value	Description
10848	Range	514 - 13731 (median=6530 mean=6648.4 std=3258.3)
2		Missing

CEAD04_YEAR		Year Of Date Coded - 1st Ecg
N	Value	Description
10848	Range	1991 - 2024 (median=2006 mean=2006.3 std=8.9)
2		Missing

CHD Cohort Surveillance

CEAD05		Q-QS Pattern (1xx) I aVL V6 - 1st ECG
N	Value	Description
39	11	Q/R amplitude ratio = 1/3, plus Q duration = 0.03 sec in lead I or V6
8	12	Q duration = 0.04 sec in lead I or V6
26	13	Q duration = 0.04 sec, plus R amplitude = 3 mm in lead a VL
26	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 and < 0.03 sec in lead I or V6
19	22	Q duration = 0.03 sec and < 0.04 sec lead I or V6
18	23	QS pattern in lead I. Do not code in the presence of 7-1-1
9	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.)
36	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.
75	33	Q duration = 0.03 sec and < 0.04 sec, plus R amplitude = 3 mm in lead aVL.
10594		Missing

CEAD06		Q-QS Pattern (1xx) II III aVF - 1st ECG
N	Value	Description
58	11	
4	12	
39	14	
10	15	
67	21	
17	22	
98	23	
69	24	
8	25	
62	26	
36	31	
123	34	
17	35	
141	36	
10101		Missing

CHD Cohort Surveillance

CEAD07		Q-QS Pattern (1xx) V1-V5 - 1st ECG
N	Value	Description
130	11	Q/R amplitude ratio = 1/3 plus Q duration = 0.03 sec in any of leads V2-V5
47	12	Q duration = 0.04 sec in any of leads V1-V5
246	16	QS pattern when initial R-wave is present in adj lead to the right on the chest, in any leads V2-V6
59	17	QS pattern in all of leads V1-V4 or V1-V5
39	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 sec and < 0.03 sec, in any of leads V2-V5
13	22	Q duration = 0.03 sec and < 0.04 sec in any of leads V2-V5
106	27	QS pattern in all of leads V1-V3 (do not code in the presence of 7-1-1)
160	28	Initial R amplitude decreasing to 2.0mm or less in every beat (and absence of codes 3-2, 7-1-1, 7-2-1, or 7-3) between any of leads V2 and V3, V3 and V4, or V4 and V5 (all beats in the lead immediately to the right on the chest must have an initial R > 2)
17	31	Q/R amplitude ratio = 1/5 and < 1/3 plus Q duration = 0.02 and < 0.03 sec in any of leads V2-V5
380	32	QS pattern in lead V1 and V2. (Do not code in the presence of 3-1 or 7-1-1.)
9653		Missing

CEAD08		ST Segment Depression (4xx) I aVL V6 - 1st ECG
N	Value	Description
713	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
615	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
34	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped, in any of leads I, aVL, or V6
84	11	STJ depression = 2.0 mm and ST segment horizontal or downward sloping in any of leads I, aVL, or V6
474	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
8930		Missing

CEAD09		ST Segment Depression (4xx) II III aVF - 1st ECG
N	Value	Description
260	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in lead II or aVF
204	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 lead II.
23	4	STJ depression = 1.0 mm and ST segment upward sloping, or U-shaped, in lead II
16	11	STJ depression = 2.0 mm and ST segment horizontal or downward sloping in lead II or aVF
158	12	STJ depression = 1.0 mm but < 2.0 mm and ST segment horizontal or downward sloping in lead II or aVF
1	30	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 lead II.
10188		Missing

CHD Cohort Surveillance

<i>CEAD10</i>		<i>ST Segment Depression (4xx) V1-V5 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
523	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads V1-V5
212	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
79	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped in any of leads V1-V5
159	11	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1-V5
451	12	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1 - V5
9426		Missing

<i>CEAD100</i>		<i>Condition 11- Lead 2, EV6</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	3	
10848		Missing

<i>CEAD101</i>		<i>Condition 11- Lead 3, EV6</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	
2	2	
21	3	
10826		Missing

<i>CEAD102</i>		<i>Condition 12- Lead 1, ED3,6,EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
486	1	
141	3	
25	4	
10198		Missing

<i>CEAD103</i>		<i>Condition 12- Lead 2, ED3,6,EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
332	1	
42	3	
36	4	
10440		Missing

CHD Cohort Surveillance

<i>CEAD104</i>		<i>Condition 12- Lead 3, ED3,6,EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
708	1	
73	3	
38	4	
10031		Missing

<i>CEAD105</i>		<i>Condition 13- Lead 1, EV4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
8	1	
9	3	
2	4	
10831		Missing

<i>CEAD106</i>		<i>Condition 13- Lead 2, EV4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	1	
4	3	
10844		Missing

<i>CEAD107</i>		<i>Condition 13- Lead 3, EV4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
44	1	
25	3	
1	4	
10780		Missing

<i>CEAD108</i>		<i>Condition 14- Lead 1, EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
594	2	
150	3	
37	4	
10069		Missing

CHD Cohort Surveillance

CEAD109		Condition 14- Lead 2, EV3
N	Value	Description
320	2	
59	3	
38	4	
10433		Missing

CEAD111		T Wave (5x) I aVL V6 - 1st ECG
N	Value	Description
41	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
1993	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
2249	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
6567		Missing

CEAD110		Condition 14- Lead 3, EV3
N	Value	Description
605	2	
83	3	
34	4	
10128		Missing

CEAD111		Condition 15- Lead 1, EV4
N	Value	Description
9	2	
10	3	
1	4	
10830		Missing

CEAD112		Condition 15- Lead 2, EV4
N	Value	Description
2	2	
10848		Missing

CHD Cohort Surveillance

CEAD113		Condition 15- Lead 3, EV4
<i>N</i>	<i>Value</i>	<i>Description</i>
25	2	
26	3	
10799		Missing

CEAD114		Condition 16- Lead 1, EV7
<i>N</i>	<i>Value</i>	<i>Description</i>
9	3	
10841		Missing

CEAD115		Condition 16- Lead 2, EV7
<i>N</i>	<i>Value</i>	<i>Description</i>
1	3	
10849		Missing

CEAD116		Condition 16- Lead 3, EV7
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	
44	3	
10805		Missing

CEAD117		Condition 17- Lead 1, EV8
<i>N</i>	<i>Value</i>	<i>Description</i>
48	1	
55	2	
933	3	
36	4	
9778		Missing

CEAD118		Condition 17- Lead 2, EV8
<i>N</i>	<i>Value</i>	<i>Description</i>
6	1	
15	2	
267	3	
22	4	
10540		Missing

CHD Cohort Surveillance

<i>CEAD119</i>		<i>Cond 17- Lead 3, Ev8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
55	1	
63	2	
702	3	
41	4	
9989		Missing

<i>CEAD12</i>		<i>T Wave (5x) II III aVF - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3	1	T amplitude negative 5.0 mm or more in lead II, or in lead aVF when QRS is mainly upright
780	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
1174	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
8893		Missing

<i>CEAD120</i>		<i>Cond 18- Lead 1, Ed4,7,ev5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
48	1	
7	3	
2	4	
10793		Missing

<i>CEAD121</i>		<i>Cond 18- Lead 2, Ed4,7,ev5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
44	1	
8	3	
2	4	
10796		Missing

<i>CEAD122</i>		<i>Condition 17- Lead 3, EV8 Condition 18- Lead 1, ED4,7,EV5 Condition 18- Lead 2, ED4,7,EV5 Condition 18- Lead 3, ED4,7,EV5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
76	1	
32	3	
3	4	
10739		Missing

CHD Cohort Surveillance

<i>CEAD123</i>		<i>Condition 22- Lead 1, EV5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	2	
7	3	
2	4	
10775		Missing

<i>CEAD124</i>		<i>Condition 22- Lead 2, EV5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
176	2	
16	3	
6	4	
10652		Missing

<i>CEAD125</i>		<i>Condition 22- Lead 3, EV5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
101	2	
34	3	
2	4	
10713		Missing

<i>CEAD126</i>		<i>ED1 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
215	Y	
10635		Missing

<i>CEAD127</i>		<i>ED2 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	Y	
10848		Missing

<i>CEAD128</i>		<i>ED3 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10	Y	
10840		Missing

CHD Cohort Surveillance

CEAD129		ED4 Pattern Met
N	Value	Description
10850		Missing

CEAD13		T Wave (5x) V1-V5 - 1st ECG
N	Value	Description
125	1	T amplitude negative 5.0 mm or more in any of leads V2 - V5
1728	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
1074	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
1	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
7922		Missing

CEAD130		ED5 Pattern Met
N	Value	Description
11	Y	
10839		Missing

CEAD131		ED6 Pattern Met
N	Value	Description
27	Y	
10823		Missing

CEAD132		ED7 Pattern Met
N	Value	Description
6	Y	
10844		Missing

CEAD133		EV1 Pattern Met
N	Value	Description
1319	Y	
9531		Missing

CEAD134		EV2 Pattern Met
N	Value	Description
64	Y	
10786		Missing

CHD Cohort Surveillance

CEAD135		EV3 Pattern Met
N	Value	Description
1986	Y	
8864		Missing

CEAD136		EV4 Pattern Met
N	Value	Description
80	Y	
10770		Missing

CEAD137		EV5 Pattern Met
N	Value	Description
339	Y	
10511		Missing

CEAD138		EV6 Pattern Met
N	Value	Description
3	Y	
10847		Missing

CEAD139		EV7 Pattern Met
N	Value	Description
1	Y	
10849		Missing

CEAD14		ST Segment elevation (92x) I aVL V6 - 1st ECG
N	Value	Description
106	2	ST segment elevation = 1.0 mm in any of leads I, aVL, V6
10744		Missing

CEAD140		EV8 Pattern Met
N	Value	Description
198	Y	
10652		Missing

CHD Cohort Surveillance

CEAD141		Heart Rate-1st ECG-Beats Per Minute
N	Value	Description
10673	Range	24 - 999 (median=81 mean=87.3 std=31.1)
177		Missing

CEAD142		Heart Rate Follow-up ECG-Beats Per Minute
N	Value	Description
10689	Range	25 - 300 (median=77 mean=81.7 std=25.0)
161		Missing

CEAD143		Condition 22- Lead 1, EV5
N	Value	Description
1	1	
2	2	
21	3	
10826		Missing

CEAD144		Condition 22- Lead 2, EV5
N	Value	Description
2	1	
8	2	
41	3	
2	4	
10797		Missing

CEAD145		Condition 22- Lead 3, EV5
N	Value	Description
7	1	
7	2	
66	3	
10770		Missing

CEAD146		Condition 22- Lead 1, EV1
N	Value	Description
21	1	
26	3	
10803		Missing

CHD Cohort Surveillance

<i>CEAD147</i>		<i>Condition 22- Lead 2, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	1	
7	3	
10836		Missing

<i>CEAD148</i>		<i>Condition 22- Lead 3, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23	1	
22	3	
5	4	
10800		Missing

<i>CEAD149</i>		<i>Condition 22- Lead 1, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
60	2	
39	3	
4	4	
10747		Missing

<i>CEAD15</i>		<i>ST Segment elevation (92x) II III aVF - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
261	2	ST segment elevation = 1.0 mm in any of leads II, III, aVF
10589		Missing

<i>CEAD150</i>		<i>Condition 22- Lead 2, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5	2	
10	3	
10835		Missing

CHD Cohort Surveillance

CEAD151		Condition 22- Lead 3, EV1
N	Value	Description
48	2	
29	3	
2	4	
10771		Missing

CEAD16		ST Segment elevation (92x) V1-V5 - 1st ECG
N	Value	Description
237	2	ST segment elevation = 1.0 mm in lead V5 or ST segment elevation = 2.0 mm in any of leads V1 - V4
10613		Missing

CEAD17		R Wave Amplitude (3x) - 1st ECG
N	Value	Description
581	1	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
192	3	Left (optional code when 3-1 is not present): R amplitude > 15.0 mm but = 20.0 mm in lead I, or R amplitude in V5 or V6, plus S amplitude in V1 > 35.0 mm
10077		Missing

CEAD18		A-V Conduction Defect (6xx) - 1st ECG
N	Value	Description
35	1	Complete (third degree) A-V block (permanent or intermittent) in any lead. Atrial and ventricular complexes independent, and atrial rate faster than ventricular rate, with ventricular rate < 60
496	3	P-R (P-Q) interval = 0.22 sec in the majority of beats in any of leads I, II, III, aVL, aVF
133	5	Short P-R interval. P-R interval < 0.12 sec in all beats of any two of leads I, II, III, aVL, aVF
1	6	Artificial pacemaker
457	8	Mobitz Type II (occurrence of P-wave on time with dropped QRS and T)
6	21	Partial (second degree) A-V block in any lead (2:1 or 3:1 block)
11	22	Wenckebach's Phenomenon (P-R interval increasing from beat to beat until QRS and T dropped)
14	23	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 - V6 (6
3	41	
9694		Missing

CHD Cohort Surveillance

CEAD19		Ventr Cond Defect (7xx) - 1st Ecg
N	Value	Description
180	3	
290	4	
128	5	
95	6	
56	7	
635	11	
1	12	
870	21	
8595		Missing

CEAD20		Misc (9x) 1x - 1st Ecg
N	Value	Description
529	1	
10321		Missing

CEAD21		Misc (9x) 3x - 1st Ecg
N	Value	Description
34	3	
10816		Missing

CEAD22		Ventricular Conduction Defect (7xx) - 1st ECG Miscellaneous Items (9x) 1x - 1st ECG Miscellaneous Items (9x) 3x - 1st ECG Miscellaneous Items (9x) 5x - 1st ECG
N	Value	Description
46	5	T-wave amplitude > 12 mm in any of leads I, II, III, aVL, aVF, V1 - V6
10804		Missing

CEAD23		U Wave (Blank) - 1st ECG
N	Value	Description
10850		Missing

CEAD24		Suppression 8 - 1st ECG
N	Value	Description
44	2	
156	4	
10650		Missing

CHD Cohort Surveillance

CEAD25		Technical Problem (98x) - 1st ECG
N	Value	Description
931	1	Technical problems which interfere with coding
382	2	Technical problems which do not interfere with coding
9537		Missing

CEAD26		Clear - 1st ECG
N	Value	Description
2167	0	
8681	1	
2		Missing

CEAD27		Suppression Pattern (6xx) - 1st ECG
N	Value	Description
695	1	
10153	2	
2		Missing

CEAD28		Type Of Suppression (6xx) - 1st ECG
N	Value	Description
10153	0	
35	C	
44	F	
457	P	
156	V	
3	W	
2		Missing

CEAD29		Bundle Branch Block - 1st ECG
N	Value	Description
635	1	
870	2	
9343	3	
2		Missing

CHD Cohort Surveillance

CEAD30		Major Q I aVL V6 - 1st ECG
N	Value	Description
136	1	
10712	2	
2		Missing

CEAD31		Minor Q I aVL V6 - 1st ECG
N	Value	Description
120	1	
10728	2	
2		Missing

CEAD32		Major Q II III aVF - 1st ECG
N	Value	Description
370	1	
10478	2	
2		Missing

CEAD33		Minor Q II III aVF - 1st ECG
N	Value	Description
317	1	
10531	2	
2		Missing

CEAD34		Major Q V1-V5 - 1st ECG
N	Value	Description
640	1	
10208	2	
2		Missing

CEAD35		Minor Q V1-V5 - 1st ECG
N	Value	Description
557	1	
10291	2	
2		Missing

CHD Cohort Surveillance

CEAD36		ECG Technician - Follow Up ECG
N	Value	Description
128	0	
10718	999	
4		Missing

CEAD37_FOLLOW UPDAYS		Days Of Follow Up From Visit 1 To Ecg Date - Fup Ecg
N	Value	Description
10848	Range	5 - 13097 (median=5894 mean=6045.7 std=3381.7)
2		Missing

CEAD37_YEAR		Year Of Ecg Date - Fup Ecg
N	Value	Description
10848	Range	1987 - 2022 (median=2004 mean=2004.7 std=9.3)
2		Missing

CEAD38		Coder - Follow Up ECG
N	Value	Description
10848	Present	Text suppressed
2		Missing

CEAD39_FOLLOW UPDAYS		Days Of Follow Up From Visit 1 To Date Coded - Fup Ecg
N	Value	Description
10848	Range	514 - 13731 (median=6530 mean=6647.7 std=3260.0)
2		Missing

CEAD39_YEAR		Year Of Date Coded - Fup Ecg
N	Value	Description
10848	Range	1991 - 2024 (median=2006 mean=2006.3 std=8.9)
2		Missing

CHD Cohort Surveillance

CEAD40		Q-QS Pattern (1xx) I aVL V6 - Follow Up ECG CEAD40 28 continued - (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 > 2mm))
N	Value	Description
33	11	Q/R amplitude ratio = 1/3, plus Q duration = 0.03 sec in lead I or V6
5	12	Q duration = 0.04 sec in lead I or V6
16	13	Q duration = 0.04 sec, plus R amplitude = 3 mm in lead a VL
40	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 and < 0.03 sec in lead I or V6
12	22	Q duration = 0.03 sec and < 0.04 sec lead I or V6
19	23	QS pattern in lead I. Do not code in the presence of 7-1-1
17	28	Initial R amplitude decreasing to 2 mm or less every beat
35	31	
67	33	Q/R amplitude ratio = 1/5 and < 1/3, plus Q duration = 0.02 sec and < 0.03 sec in lead I or V6
10606		Missing

CEAD41		Q-QS Pattern (1xx) II III aVF - Follow Up ECG
N	Value	Description
54	11	
4	12	
36	14	
2	15	
93	21	
16	22	
145	23	
66	24	
15	25	
83	26	
48	31	
121	34	
12	35	
204	36	
9951		Missing

CHD Cohort Surveillance

CEAD42		<i>Q-QS Pattern (1xx) V1-V5 - Follow Up ECG CEAD42 28 continued - (and absence of codes 3-2, 7-1-1, 7-2-1, or 7-3) between any of leads V2 and V3, V3 and V4, or V4 and V5 (all beats in the lead immediately to the right on the chest must have an initial R > 2 mm</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
118	11	Q/R amplitude ratio = 1/3 plus Q duration = 0.03 sec in any of leads V2-V5
50	12	Q duration = 0.04 sec in any of leads V1-V5
258	16	QS pattern when initial R-wave is present in adj lead to the right on the chest, in any leads V2-V6
68	17	QS pattern in all of leads V1-V4 or V1-V5
32	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 sec and < 0.03 sec, in any of leads V2-V5
11	22	Q duration = 0.03 sec and < 0.04 sec in any of leads V2-V5
141	27	QS pattern in all of leads V1-V3 (do not code in the presence of 7-1-1
115	28	Initial R amplitude decreasing to 2.0mm or less in every beat
20	31	
340	32	
9697		Missing

CEAD43		<i>ST Segment Depression (4xx) I aVL V6 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
613	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
632	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
17	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped, in any of leads I, aVL, or V6
35	11	STJ depression = 2.0 mm and ST segment horizontal or downward sloping in any of leads I, aVL, or V6
245	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
9308		Missing

CEAD44		<i>ST Segment Depression (4xx) II III aVF - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
202	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in lead II or aVF
227	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 lead II.
11	4	STJ depression = 1.0 mm and ST segment upward sloping, or U-shaped, in lead II
10	11	STJ depression = 2.0 mm and ST segment horizontal or downward sloping in lead II or aVF
91	12	STJ depression = 1.0 mm but < 2.0 mm and ST segment horizontal or downward sloping in lead II or aVF
10309		Missing

CHD Cohort Surveillance

CEAD45		ST Segment Depression (4xx) V1-V5 - Follow Up ECG
N	Value	Description
471	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads V1 - V5
267	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
49	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped in any of leads V1 - V5
83	11	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1-V5
309	12	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1 - V5
9671		Missing

CEAD46		T Wave (5x) I aVL V6 - Follow Up ECG
N	Value	Description
36	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
1862	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
2304	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
6648		Missing

CEAD47		T Wave (5x) II III aVF - Follow Up ECG
N	Value	Description
6	1	T amplitude negative 5.0 mm or more in lead II, or in lead aVF when QRS is mainly upright.
787	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.
1324	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.
8733		Missing

CEAD48		T Wave (5x) V1-V5 - Follow Up ECG
N	Value	Description
187	1	T amplitude negative 5.0 mm or more in lead II, or in lead aVF when QRS is mainly upright
1776	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
1132	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
7755		Missing

CHD Cohort Surveillance

CEAD49		ST Segment elevation (92x) I aVL V6 - Follow Up ECG
N	Value	Description
88	2	ST segment elevation = 1.0 mm in any of leads I, aVL, V6
10762		Missing

CEAD50		ST Segment elevation (92x) II III aVF - Follow Up ECG
N	Value	Description
120	2	ST segment elevation = 1.0 mm in any of leads II, III, aVF
10730		Missing

CEAD51		ST Segment elevation (92x) V1-V5 - Follow Up ECG
N	Value	Description
212	2	ST segment elevation = 1.0 mm in lead V5 or ST segment elevation = 2.0 mm in any of leads V1 - V4
10638		Missing

CEAD52		R (3x) - Follow Up ECG
N	Value	Description
502	1	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
2	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
172	3	
10174		Missing

CEAD53		A-V Conduction Defect (6xx) - Follow Up ECG
N	Value	Description
21	1	Complete (third degree) A-V block (permanent or intermittent) in any lead. Atrial and ventricular complexes independent, and atrial rate faster than ventricular rate, with ventricular rate < 60
558	3	P-R (P-Q) interval = 0.22 sec in the majority of beats in any of leads I, II, III, aVL, aVF
143	5	Short P-R interval. P-R interval < 0.12 sec in all beats of any two of leads I, II, III, aVL, aVF
552	8	Artificial pacemaker
4	21	
8	22	Partial (second degree) A-V block in any lead (2:1 or 3:1 block)
17	23	Wenckebach's Phenomenon (P-R interval increasing from beat to beat until QRS and T dropped)
2	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 - V6
9545		Missing

CHD Cohort Surveillance

<i>CEAD54</i>		<i>Ventricular Conduction Defect (7xx) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
160	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
249	4	
114	5	
91	6	
62	7	
613	11	
2	12	
870	21	
8689		Missing

<i>CEAD55</i>		<i>Miscellaneous Items (9x) 1x - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
691	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
10159		Missing

<i>CEAD56</i>		<i>Miscellaneous Items (9x) 3x - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
19	3	P-wave amplitude = 2.5 mm in any of leads II, III, aVF, in a majority of beats. 9-4-1 QRS transition zone at V3 or to the right of V3 on the chest
10831		Missing

<i>CEAD57</i>		<i>Miscellaneous Items (9x) 5x - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
20	5	T-wave amplitude > 12 mm in any of leads I, II, III, aVL, aVF, V1 - V6
10830		Missing

<i>CEAD58</i>		<i>U Wave (Blank) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10850		Missing

CHD Cohort Surveillance

CEAD59		Suppression 8 - Follow Up ECG
N	Value	Description
28	2	
56	4	
10766		Missing

CEAD60		Technical Problem (98x) - Follow Up ECG
N	Value	Description
838	1	Technical problems which interfere with coding
273	2	Technical problems which do not interfere with coding
9739		Missing

CEAD61		Clear - Follow Up ECG
N	Value	Description
2217	0	
8630	1	
3		Missing

CEAD62		Suppression Pattern (6xx) - Follow Up ECG
N	Value	Description
659	1	
10189	2	
2		Missing

CEAD63		Type Of Suppression (6xx) - Follow Up ECG
N	Value	Description
10189	0	
21	C	
28	F	
552	P	
56	V	
2	W	
2		Missing

CHD Cohort Surveillance

CEAD64		Bundle Branch Block - Follow Up ECG
N	Value	Description
613	1	
870	2	
9365	3	
2		Missing

CEAD65		Major Q I AVL V6 - Follow Up ECG
N	Value	Description
125	1	
10723	2	
2		Missing

CEAD66		Minor Q I AVL V6 - Follow Up ECG
N	Value	Description
119	1	
10729	2	
2		Missing

CEAD67		Major Q II III AVF - Follow Up ECG
N	Value	Description
431	1	
10417	2	
2		Missing

CEAD68		Minor Q II III AVF - Follow Up ECG
N	Value	Description
385	1	
10463	2	
2		Missing

CEAD69		Major Q V1-V5 - Follow Up ECG
N	Value	Description
678	1	
10170	2	
2		Missing

CHD Cohort Surveillance

CEAD70		Minor Q V1-V5 - Follow Up ECG
N	Value	Description
475	1	
10373	2	
2		Missing

CEAD71		Third Or Last - Follow Up ECG
N	Value	Description
10848	T	
2		Missing

CEAD72		Condition 1 - Lead 1, ED1
N	Value	Description
39	1	
27	3	
3	4	
10781		Missing

CEAD73		Condition 1 - Lead 2, ED1
N	Value	Description
75	1	
105	3	
4	4	
10666		Missing

CEAD74		Condition 1 - Lead 3, ED1
N	Value	Description
99	1	
125	3	
9	4	
10617		Missing

CEAD75		Condition 2 - Lead 1, ED1
N	Value	Description
2	1	
3	3	
10845		Missing

CHD Cohort Surveillance

CEAD76		Condition 2 - Lead 2, ED1
N	Value	Description
2	1	
10848		Missing

CEAD77		Condition 2 - Lead 3, ED1
N	Value	Description
16	1	
18	3	
10816		Missing

CEAD78		Condition 3 - Lead 1, ED2,3,4
N	Value	Description
1	1	
10849		Missing

CEAD79		Condition 3 - Lead 2, ED2,3,4
N	Value	Description
12	1	
9	3	
10829		Missing

CEAD80		Condition 3 - Lead 3, ED2,3,4
N	Value	Description
9	1	
20	3	
10821		Missing

CEAD81		Condition 4 - Lead 1, ED5,6,7
N	Value	Description
21	1	
23	3	
2	4	
10804		Missing

CHD Cohort Surveillance

<i>CEAD82</i>		<i>Condition 4 - Lead 2, ED5,6,7</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
63	1	
121	3	
3	4	
10663		Missing

<i>CEAD83</i>		<i>Condition 4 - Lead 3, ED5,6,7</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
94	1	
121	3	
1	4	
10634		Missing

<i>CEAD84</i>		<i>Condition 5 - Lead 1, EV1-EV8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10850		Missing

<i>CEAD85</i>		<i>Condition 5 - Lead 2, EV1-EV8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10850		Missing

<i>CEAD86</i>		<i>Condition 5 - Lead 3, EV1-EV8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10850		Missing

<i>CEAD87</i>		<i>Condition 7 - Lead 1, ED2,5,EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
233	1	
47	3	
19	4	
10551		Missing

CHD Cohort Surveillance

CEAD88		Condition 7 - Lead 2, ED2,5,EV1
N	Value	Description
129	1	
19	3	
15	4	
10687		Missing

CEAD89		Condition 7 - Lead 3, ED2,5,EV1
N	Value	Description
269	1	
65	3	
21	4	
10495		Missing

CEAD90		Condition 8 - Lead 1, EV2
N	Value	Description
10	1	
4	3	
1	4	
10835		Missing

CEAD91		Condition 8 - Lead 2, EV2
N	Value	Description
1	1	
2	3	
10847		Missing

CEAD92		Condition 8 - Lead 3, EV2
N	Value	Description
14	1	
12	3	
10824		Missing

CHD Cohort Surveillance

CEAD93		Condition 9 - Lead 1, EV1
<i>N</i>	<i>Value</i>	<i>Description</i>
572	2	
69	3	
27	4	
10182		Missing

CEAD94		Condition 9 - Lead 2, EV1
<i>N</i>	<i>Value</i>	<i>Description</i>
245	2	
24	3	
18	4	
10563		Missing

CEAD95		Condition 9 - Lead 3, EV1
<i>N</i>	<i>Value</i>	<i>Description</i>
520	2	
68	3	
23	4	
10239		Missing

CEAD96		Condition 10- Lead 1, EV2
<i>N</i>	<i>Value</i>	<i>Description</i>
25	2	
5	3	
10820		Missing

CEAD97		Condition 10- Lead 2, EV2
<i>N</i>	<i>Value</i>	<i>Description</i>
4	2	
1	3	
1	4	
10844		Missing

CHD Cohort Surveillance

<i>CEAD98</i>		<i>Condition 10- Lead 3, EV2</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
30	2	
15	3	
10805		Missing

<i>CEAD99</i>		<i>Condition 11- Lead 1, EV6</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	
9	3	
10840		Missing

<i>CEADFLAG</i>		<i>1= CEAD Form Is Present</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10850	1	

<i>CONTYR</i>		<i>Contact Year - Surv. Record Seq. Number</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10850	1	

<i>ID</i>		<i>ARIC Occurrence ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10850	Present	Text suppressed