

CHD Cohort Surveillance**ECG**

Data set name: C21CEMA1_NP

ECG

CEAD01		ECG Technician - 1st ECG
N	Value	Description
135	0	
10496	999	
5		Missing

CEAD02_FOLLOW UPDAYS		Days Of Follow Up From Visit 1 To Ecg Date - 1st Ecg
N	Value	Description
10633	Range	2 - 12653 (median=5787 mean=5917.0 std=3293.7)
3		Missing

CEAD02_YEAR		Year Of Ecg Date - 1st Ecg
N	Value	Description
10633	Range	1987 - 2021 (median=2004 mean=2004.3 std=9.0)
3		Missing

CEAD03		ECG Coder - 1st ECG
N	Value	Description
10634	Present	Text suppressed
2		Missing

CEAD04_FOLLOW UPDAYS		Days Of Follow Up From Visit 1 To Date Coded - 1st Ecg
N	Value	Description
10634	Range	514 - 12948 (median=6413 mean=6525.3 std=3171.6)
2		Missing

CEAD04_YEAR		Year Of Date Coded - 1st Ecg
N	Value	Description
10634	Range	1991 - 2023 (median=2006 mean=2006.0 std=8.7)
2		Missing

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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
24	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.
73	33	Q duration = 0.03 sec and < 0.04 sec, plus R amplitude = 3 mm in lead aVL.
10384		Missing

CEAD06		Q-QS Pattern (1xx) II III aVF - 1st ECG
N	Value	Description
58	11	
4	12	
39	14	
10	15	
66	21	
17	22	
97	23	
68	24	
7	25	
62	26	
36	31	
122	34	
16	35	
134	36	
9900		Missing

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CEAD07		Q-QS Pattern (1xx) V1-V5 - 1st ECG
N	Value	Description
128	11	Q/R amplitude ratio = 1/3 plus Q duration = 0.03 sec in any of leads V2-V5
46	12	Q duration = 0.04 sec in any of leads V1-V5
241	16	QS pattern when initial R-wave is present in adj lead to the right on the chest, in any leads V2-V6
58	17	QS pattern in all of leads V1-V4 or V1-V5
38	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
101	27	QS pattern in all of leads V1-V3 (do not code in the presence of 7-1-1)
156	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)
16	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
366	32	QS pattern in lead V1 and V2. (Do not code in the presence of 3-1 or 7-1-1.)
9473		Missing

CEAD08		ST Segment Depression (4xx) I aVL V6 - 1st ECG
N	Value	Description
706	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
591	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
468	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
8753		Missing

CEAD09		ST Segment Depression (4xx) II III aVF - 1st ECG
N	Value	Description
255	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in lead II or aVF
196	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
156	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.
9989		Missing

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<i>CEAD10</i>		<i>ST Segment Depression (4xx) V1-V5 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
519	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads V1-V5
205	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
157	11	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1-V5
445	12	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1 - V5
9231		Missing

<i>CEAD100</i>		<i>Condition 11- Lead 2, EV6</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	3	
10634		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	
10612		Missing

<i>CEAD102</i>		<i>Condition 12- Lead 1, ED3,6,EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
482	1	
140	3	
25	4	
9989		Missing

<i>CEAD103</i>		<i>Condition 12- Lead 2, ED3,6,EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
330	1	
42	3	
36	4	
10228		Missing

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<i>CEAD104</i>		<i>Condition 12- Lead 3, ED3,6,EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
704	1	
72	3	
38	4	
9822		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	
10617		Missing

<i>CEAD106</i>		<i>Condition 13- Lead 2, EV4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	1	
4	3	
10630		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	
10566		Missing

<i>CEAD108</i>		<i>Condition 14- Lead 1, EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
584	2	
149	3	
37	4	
9866		Missing

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CEAD109		Condition 14- Lead 2, EV3
N	Value	Description
316	2	
58	3	
38	4	
10224		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
1971	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
2197	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
6427		Missing

CEAD110		Condition 14- Lead 3, EV3
N	Value	Description
597	2	
82	3	
34	4	
9923		Missing

CEAD111		Condition 15- Lead 1, EV4
N	Value	Description
9	2	
10	3	
1	4	
10616		Missing

CEAD112		Condition 15- Lead 2, EV4
N	Value	Description
2	2	
10634		Missing

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<i>CEAD113</i>		<i>Condition 15- Lead 3, EV4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
25	2	
26	3	
10585		Missing

<i>CEAD114</i>		<i>Condition 16- Lead 1, EV7</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
9	3	
10627		Missing

<i>CEAD115</i>		<i>Condition 16- Lead 2, EV7</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	3	
10635		Missing

<i>CEAD116</i>		<i>Condition 16- Lead 3, EV7</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	
43	3	
10592		Missing

<i>CEAD117</i>		<i>Condition 17- Lead 1, EV8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
48	1	
55	2	
924	3	
36	4	
9573		Missing

<i>CEAD118</i>		<i>Condition 17- Lead 2, EV8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6	1	
15	2	
262	3	
22	4	
10331		Missing

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<i>CEAD119</i>		<i>Cond 17- Lead 3, Ev8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
55	1	
62	2	
694	3	
41	4	
9784		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
769	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
1140	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
8724		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	
10579		Missing

<i>CEAD121</i>		<i>Condition 17- Lead 3, EV8 Condition 18- Lead 1, ED4,7,EV5 Condition 18- Lead 2, ED4,7,EV5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
43	1	
8	3	
2	4	
10583		Missing

<i>CEAD122</i>		<i>Condition 18- Lead 3, ED4,7,EV5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
75	1	
32	3	
3	4	
10526		Missing

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CEAD123		Condition 21- Lead 1, EV5
<i>N</i>	<i>Value</i>	<i>Description</i>
65	2	
7	3	
2	4	
10562		Missing

CEAD124		Condition 21- Lead 2, EV5
<i>N</i>	<i>Value</i>	<i>Description</i>
172	2	
16	3	
6	4	
10442		Missing

CEAD125		Condition 21- Lead 3, EV5
<i>N</i>	<i>Value</i>	<i>Description</i>
99	2	
34	3	
2	4	
10501		Missing

CEAD126		ED1 Pattern Met
<i>N</i>	<i>Value</i>	<i>Description</i>
212	Y	
10424		Missing

CEAD127		ED2 Pattern Met
<i>N</i>	<i>Value</i>	<i>Description</i>
2	Y	
10634		Missing

CEAD128		ED3 Pattern Met
<i>N</i>	<i>Value</i>	<i>Description</i>
10	Y	
10626		Missing

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CEAD129		ED4 Pattern Met
N	Value	Description
10636		Missing

CEAD13		T Wave (5x) V1-V5 - 1st ECG
N	Value	Description
124	1	T amplitude negative 5.0 mm or more in any of leads V2 - V5
1709	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
1052	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
7750		Missing

CEAD130		ED5 Pattern Met
N	Value	Description
11	Y	
10625		Missing

CEAD131		ED6 Pattern Met
N	Value	Description
27	Y	
10609		Missing

CEAD132		ED7 Pattern Met
N	Value	Description
6	Y	
10630		Missing

CEAD133		EV1 Pattern Met
N	Value	Description
1307	Y	
9329		Missing

CEAD134		EV2 Pattern Met
N	Value	Description
63	Y	
10573		Missing

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<i>CEAD135</i>		<i>EV3 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1964	Y	
8672		Missing

<i>CEAD136</i>		<i>EV4 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
80	Y	
10556		Missing

<i>CEAD137</i>		<i>EV5 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
334	Y	
10302		Missing

<i>CEAD138</i>		<i>EV6 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3	Y	
10633		Missing

<i>CEAD139</i>		<i>EV7 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	Y	
10635		Missing

<i>CEAD14</i>		<i>ST Segment elevation (92x) I aVL V6 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
104	2	ST segment elevation = 1.0 mm in any of leads I, aVL, V6
10532		Missing

<i>CEAD140</i>		<i>EV8 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
197	Y	
10439		Missing

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CEAD141		Heart Rate-1st ECG-Beats Per Minute
N	Value	Description
10459	Range	26 - 999 (median=81 mean=87.2 std=31.1)
177		Missing

CEAD142		Heart Rate Follow-up ECG-Beats Per Minute
N	Value	Description
10475	Range	30 - 300 (median=76 mean=81.6 std=24.9)
161		Missing

CEAD143		Condition 21- Lead 1, EV5
N	Value	Description
1	1	
2	2	
21	3	
10612		Missing

CEAD144		Condition 21- Lead 2, EV5
N	Value	Description
2	1	
8	2	
41	3	
2	4	
10583		Missing

CEAD145		Condition 21- Lead 3, EV5
N	Value	Description
7	1	
7	2	
66	3	
10556		Missing

CEAD146		Condition 21- Lead 1, EV1
N	Value	Description
20	1	
26	3	
10590		Missing

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<i>CEAD147</i>		<i>Condition 21- Lead 2, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	1	
6	3	
10623		Missing

<i>CEAD148</i>		<i>Condition 21- Lead 3, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
22	1	
21	3	
5	4	
10588		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	
10533		Missing

<i>CEAD15</i>		<i>ST Segment elevation (92x) II III aVF - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
256	2	ST segment elevation = 1.0 mm in any of leads II, III, aVF
10380		Missing

<i>CEAD150</i>		<i>Condition 22- Lead 2, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5	2	
10	3	
10621		Missing

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CEAD151		Condition 22- Lead 3, EV1
N	Value	Description
48	2	
28	3	
2	4	
10558		Missing

CEAD16		ST Segment elevation (92x) V1-V5 - 1st ECG
N	Value	Description
234	2	ST segment elevation = 1.0 mm in lead V5 or ST segment elevation = 2.0 mm in any of leads V1 - V4
10402		Missing

CEAD17		R Wave Amplitude (3x) - 1st ECG
N	Value	Description
573	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
9871		Missing

CEAD18		A-V Conduction Defect (6xx) - 1st ECG
N	Value	Description
33	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
477	3	P-R (P-Q) interval = 0.22 sec in the majority of beats in any of leads I, II, III, aVL, aVF
130	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
440	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	
9521		Missing

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CEAD19		Ventr Cond Defect (7xx) - 1st Ecg
N	Value	Description
174	3	
281	4	
126	5	
75	6	
44	7	
617	11	
1	12	
841	21	
8477		Missing

CEAD20		Misc (9x) 1x - 1st Ecg
N	Value	Description
515	1	
10121		Missing

CEAD21		Ventricular Conduction Defect (7xx) - 1st ECG Miscellaneous Items (9x) 1x - 1st ECG Miscellaneous Items (9x) 3x - 1st ECG
N	Value	Description
34	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.
10602		Missing

CEAD22		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
10590		Missing

CEAD23		U Wave (Blank) - 1st ECG
N	Value	Description
10636		Missing

CEAD24		Suppression 8 - 1st ECG
N	Value	Description
44	2	
153	4	
10439		Missing

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CEAD25		<i>Technical Problem (98x) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
930	1	Technical problems which interfere with coding
365	2	Technical problems which do not interfere with coding
9341		Missing

CEAD26		<i>Clear - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2148	0	
8486	1	
2		Missing

CEAD27		<i>Suppression Pattern (6xx) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
673	1	
9961	2	
2		Missing

CEAD28		<i>Type Of Suppression (6xx) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
9961	0	
33	C	
44	F	
440	P	
153	V	
3	W	
2		Missing

CEAD29		<i>Bundle Branch Block - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
617	1	
841	2	
9176	3	
2		Missing

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CEAD30		Major Q I aVL V6 - 1st ECG
N	Value	Description
134	1	
10500	2	
2		Missing

CEAD31		Minor Q I aVL V6 - 1st ECG
N	Value	Description
118	1	
10516	2	
2		Missing

CEAD32		Major Q II III aVF - 1st ECG
N	Value	Description
366	1	
10268	2	
2		Missing

CEAD33		Minor Q II III aVF - 1st ECG
N	Value	Description
308	1	
10326	2	
2		Missing

CEAD34		Major Q V1-V5 - 1st ECG
N	Value	Description
625	1	
10009	2	
2		Missing

CEAD35		Minor Q V1-V5 - 1st ECG
N	Value	Description
538	1	
10096	2	
2		Missing

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CEAD36		ECG Technician - Follow Up ECG
N	Value	Description
128	0	
10504	999	
4		Missing

CEAD37_FOLLOW UPDAYS		Days Of Follow Up From Visit 1 To Ecg Date - Fup Ecg
N	Value	Description
10634	Range	5 - 12654 (median=5788 mean=5918.8 std=3293.4)
2		Missing

CEAD37_YEAR		Year Of Ecg Date - Fup Ecg
N	Value	Description
10634	Range	1987 - 2021 (median=2004 mean=2004.3 std=9.0)
2		Missing

CEAD38		Coder - Follow Up ECG
N	Value	Description
10634	Present	Text suppressed
2		Missing

CEAD39_FOLLOW UPDAYS		Days Of Follow Up From Visit 1 To Date Coded - Fup Ecg
N	Value	Description
10634	Range	514 - 12948 (median=6414.5 mean=6524.56 std=3173.31)
2		Missing

CEAD39_YEAR		Year Of Date Coded - Fup Ecg
N	Value	Description
10634	Range	1991 - 2023 (median=2006 mean=2006.0 std=8.7)
2		Missing

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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	
64	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
10395		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	
143	23	
66	24	
15	25	
83	26	
48	31	
120	34	
12	35	
198	36	
9746		Missing

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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>
116	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
255	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
31	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
138	27	QS pattern in all of leads V1-V3 (do not code in the presence of 7-1-1
108	28	Initial R amplitude decreasing to 2.0mm or less in every beat
20	31	
325	32	
9514		Missing

CEAD43		<i>ST Segment Depression (4xx) I aVL V6 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
609	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
608	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
34	11	STJ depression = 2.0 mm and ST segment horizontal or downward sloping in any of leads I, aVL, or V6
241	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
9127		Missing

CEAD44		<i>ST Segment Depression (4xx) II III aVF - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
201	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in lead II or aVF
219	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
88	12	STJ depression = 1.0 mm but < 2.0 mm and ST segment horizontal or downward sloping in lead II or aVF
10107		Missing

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CEAD45		ST Segment Depression (4xx) V1-V5 - Follow Up ECG
N	Value	Description
467	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads V1 - V5
259	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
82	11	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1-V5
304	12	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1 - V5
9475		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
1844	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
2254	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
6502		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.
778	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.
1296	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.
8556		Missing

CEAD48		T Wave (5x) V1-V5 - Follow Up ECG
N	Value	Description
186	1	T amplitude negative 5.0 mm or more in lead II, or in lead aVF when QRS is mainly upright
1758	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
1111	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
7581		Missing

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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
10548		Missing

CEAD50		ST Segment elevation (92x) II III aVF - Follow Up ECG
N	Value	Description
119	2	ST segment elevation = 1.0 mm in any of leads II, III, aVF
10517		Missing

CEAD51		ST Segment elevation (92x) V1-V5 - Follow Up ECG
N	Value	Description
211	2	ST segment elevation = 1.0 mm in lead V5 or ST segment elevation = 2.0 mm in any of leads V1 - V4
10425		Missing

CEAD52		R (3x) - Follow Up ECG
N	Value	Description
497	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
171	3	
9966		Missing

CEAD53		A-V Conduction Defect (6xx) - Follow Up ECG
N	Value	Description
19	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
542	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
532	8	Artificial pacemaker
4	21	
8	22	Partial (second degree) A-V block in any lead (2:1 or 3:1 block)
15	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
9371		Missing

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CEAD54		Ventricular Conduction Defect (7xx) - Follow Up ECG
N	Value	Description
153	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
239	4	
111	5	
73	6	
52	7	
598	11	
2	12	
841	21	
8567		Missing

CEAD55		Miscellaneous Items (9x) 1x - Follow Up ECG
N	Value	Description
679	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
9957		Missing

CEAD56		Miscellaneous Items (9x) 3x - Follow Up ECG
N	Value	Description
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
10617		Missing

CEAD57		Miscellaneous Items (9x) 5x - Follow Up ECG
N	Value	Description
20	5	T-wave amplitude > 12 mm in any of leads I, II, III, aVL, aVF, V1 - V6
10616		Missing

CEAD58		U Wave (Blank) - Follow Up ECG
N	Value	Description
10636		Missing

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<i>CEAD59</i>		<i>Suppression 8 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
28	2	
50	4	
10558		Missing

<i>CEAD60</i>		<i>Technical Problem (98x) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
837	1	Technical problems which interfere with coding
266	2	Technical problems which do not interfere with coding
9533		Missing

<i>CEAD61</i>		<i>Clear - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2200	0	
8433	1	
3		Missing

<i>CEAD62</i>		<i>Suppression Pattern (6xx) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
631	1	
10003	2	
2		Missing

<i>CEAD63</i>		<i>Type Of Suppression (6xx) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10003	0	
19	C	
28	F	
532	P	
50	V	
2	W	
2		Missing

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CEAD64		Bundle Branch Block - Follow Up ECG
N	Value	Description
598	1	
841	2	
9195	3	
2		Missing

CEAD65		Major Q I AVL V6 - Follow Up ECG
N	Value	Description
125	1	
10509	2	
2		Missing

CEAD66		Minor Q I AVL V6 - Follow Up ECG
N	Value	Description
116	1	
10518	2	
2		Missing

CEAD67		Major Q II III AVF - Follow Up ECG
N	Value	Description
429	1	
10205	2	
2		Missing

CEAD68		Minor Q II III AVF - Follow Up ECG
N	Value	Description
378	1	
10256	2	
2		Missing

CEAD69		Major Q V1-V5 - Follow Up ECG
N	Value	Description
669	1	
9965	2	
2		Missing

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CEAD70		Minor Q V1-V5 - Follow Up ECG
N	Value	Description
453	1	
10181	2	
2		Missing

CEAD71		Third Or Last - Follow Up ECG
N	Value	Description
10634	T	
2		Missing

CEAD72		Condition 1 - Lead 1, ED1
N	Value	Description
39	1	
27	3	
3	4	
10567		Missing

CEAD73		Condition 1 - Lead 2, ED1
N	Value	Description
74	1	
105	3	
4	4	
10453		Missing

CEAD74		Condition 1 - Lead 3, ED1
N	Value	Description
97	1	
124	3	
9	4	
10406		Missing

CEAD75		Condition 2 - Lead 1, ED1
N	Value	Description
2	1	
3	3	
10631		Missing

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CEAD76		Condition 2 - Lead 2, ED1
N	Value	Description
2	1	
10634		Missing

CEAD77		Condition 2 - Lead 3, ED1
N	Value	Description
16	1	
18	3	
10602		Missing

CEAD78		Condition 3 - Lead 1, ED2,3,4
N	Value	Description
1	1	
10635		Missing

CEAD79		Condition 3 - Lead 2, ED2,3,4
N	Value	Description
12	1	
8	3	
10616		Missing

CEAD80		Condition 3 - Lead 3, ED2,3,4
N	Value	Description
9	1	
20	3	
10607		Missing

CEAD81		Condition 4 - Lead 1, ED5,6,7
N	Value	Description
21	1	
23	3	
2	4	
10590		Missing

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CEAD82		Condition 4 - Lead 2, ED5,6,7
N	Value	Description
63	1	
119	3	
3	4	
10451		Missing

CEAD83		Condition 4 - Lead 3, ED5,6,7
N	Value	Description
93	1	
116	3	
1	4	
10426		Missing

CEAD84		Condition 5 - Lead 1, EV1-EV8
N	Value	Description
10636		Missing

CEAD85		Condition 5 - Lead 2, EV1-EV8
N	Value	Description
10636		Missing

CEAD86		Condition 5 - Lead 3, EV1-EV8
N	Value	Description
10636		Missing

CEAD87		Condition 7 - Lead 1, ED2,5,EV1
N	Value	Description
230	1	
47	3	
19	4	
10340		Missing

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CEAD88		Condition 7 - Lead 2, ED2,5,EV1
<i>N</i>	<i>Value</i>	<i>Description</i>
128	1	
19	3	
15	4	
10474		Missing

CEAD89		Condition 7 - Lead 3, ED2,5,EV1
<i>N</i>	<i>Value</i>	<i>Description</i>
267	1	
65	3	
21	4	
10283		Missing

CEAD90		Condition 8 - Lead 1, EV2
<i>N</i>	<i>Value</i>	<i>Description</i>
10	1	
4	3	
1	4	
10621		Missing

CEAD91		Condition 8 - Lead 2, EV2
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	
2	3	
10633		Missing

CEAD92		Condition 8 - Lead 3, EV2
<i>N</i>	<i>Value</i>	<i>Description</i>
14	1	
12	3	
10610		Missing

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CEAD93		Condition 9 - Lead 1, EV1
<i>N</i>	<i>Value</i>	<i>Description</i>
567	2	
68	3	
27	4	
9974		Missing

CEAD94		Condition 9 - Lead 2, EV1
<i>N</i>	<i>Value</i>	<i>Description</i>
243	2	
23	3	
18	4	
10352		Missing

CEAD95		Condition 9 - Lead 3, EV1
<i>N</i>	<i>Value</i>	<i>Description</i>
516	2	
67	3	
23	4	
10030		Missing

CEAD96		Condition 10- Lead 1, EV2
<i>N</i>	<i>Value</i>	<i>Description</i>
25	2	
5	3	
10606		Missing

CEAD97		Condition 10- Lead 2, EV2
<i>N</i>	<i>Value</i>	<i>Description</i>
4	2	
1	3	
1	4	
10630		Missing

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<i>CEAD98</i>		<i>Condition 10- Lead 3, EV2</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
29	2	
15	3	
10592		Missing

<i>CEAD99</i>		<i>Condition 11- Lead 1, EV6</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	
9	3	
10626		Missing

<i>CEADFLAG</i>		<i>1= CEAD Form Is Present</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10636	1	

<i>CONTYR</i>		<i>Contact Year - Surv. Record Seq. Number</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10636	1	

<i>ID</i>		<i>ARIC Occurrence ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10636	Present	Text suppressed