

CHD Cohort Surveillance**ECG****Data set name: C23CEMA1_NP****ECG**

<i>CEAD01</i>		<i>ECG Technician - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
135	0	
10964	999	
5		Missing

<i>CEAD02_FOLLOWUPDAYS</i>		<i>Days Of Follow Up From Visit 1 To Ecg Date - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
11101	Range	2 - 13477 (median=6049 mean=6193.7 std=3483.9)
3		Missing

<i>CEAD02_YEAR</i>		<i>Year Of Ecg Date - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
11101	Range	1987 - 2023 (median=2005 mean=2005.1 std=9.6)
3		Missing

<i>CEAD03</i>		<i>ECG Coder - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
11102	Present	Text suppressed
2		Missing

<i>CEAD04_FOLLOWUPDAYS</i>		<i>Days Of Follow Up From Visit 1 To Date Coded - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
11102	Range	514 - 13743 (median=6691.5 mean=6792.93 std=3356.93)
2		Missing

<i>CEAD04_YEAR</i>		<i>Year Of Date Coded - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
11102	Range	1991 - 2025 (median=2006 mean=2006.7 std=9.2)
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
29	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.)
37	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.
10844		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	
37	31	
123	34	
19	35	
143	36	
10350		Missing

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<i>CEAD07</i>		<i>Q-QS Pattern (1xx) V1-V5 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
132	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
256	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
40	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
110	27	QS pattern in all of leads V1-V3 (do not code in the presence of 7-1-1)
166	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
388	32	QS pattern in lead V1 and V2. (Do not code in the presence of 3-1 or 7-1-1.)
9876		Missing

<i>CEAD08</i>		<i>ST Segment Depression (4xx) I aVL V6 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
725	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
644	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
85	11	STJ depression = 2.0 mm and ST segment horizontal or downward sloping in any of leads I, aVL, or V6
480	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
9136		Missing

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<i>CEAD09</i>		<i>ST Segment Depression (4xx) II III aVF - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
267	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in lead II or aVF
215	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
160	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.
10422		Missing

<i>CEAD10</i>		<i>ST Segment Depression (4xx) V1-V5 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
530	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads V1-V5
222	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
160	11	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1-V5
463	12	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1 - V5
9650		Missing

<i>CEAD100</i>		<i>Condition 11- Lead 2, EV6</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	3	
11102		Missing

<i>CEAD101</i>		<i>Condition 11- Lead 3, EV6</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	
2	2	
22	3	
11079		Missing

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CEAD102		Condition 12- Lead 1, ED3,6,EV3
N	Value	Description
492	1	
141	3	
25	4	
10446		Missing

CEAD103		Condition 12- Lead 2, ED3,6,EV3
N	Value	Description
338	1	
43	3	
36	4	
10687		Missing

CEAD104		Condition 12- Lead 3, ED3,6,EV3
N	Value	Description
711	1	
73	3	
38	4	
10282		Missing

CEAD105		Condition 13- Lead 1, EV4
N	Value	Description
8	1	
9	3	
2	4	
11085		Missing

CEAD106		Condition 13- Lead 2, EV4
N	Value	Description
2	1	
4	3	
11098		Missing

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CEAD107		Condition 13- Lead 3, EV4
N	Value	Description
44	1	
25	3	
1	4	
11034		Missing

CEAD108		Condition 14- Lead 1, EV3
N	Value	Description
600	2	
153	3	
37	4	
10314		Missing

CEAD109		Condition 14- Lead 2, EV3
N	Value	Description
321	2	
60	3	
38	4	
10685		Missing

CEAD11		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
2025	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
2307	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
6731		Missing

CEAD110		Condition 14- Lead 3, EV3
N	Value	Description
612	2	
85	3	
34	4	
10373		Missing

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CEAD111		Condition 15- Lead 1, EV4
<i>N</i>	<i>Value</i>	<i>Description</i>
9	2	
10	3	
1	4	
11084		Missing

CEAD112		Condition 15- Lead 2, EV4
<i>N</i>	<i>Value</i>	<i>Description</i>
2	2	
11102		Missing

CEAD113		Condition 15- Lead 3, EV4
<i>N</i>	<i>Value</i>	<i>Description</i>
25	2	
26	3	
11053		Missing

CEAD114		Condition 16- Lead 1, EV7
<i>N</i>	<i>Value</i>	<i>Description</i>
9	3	
11095		Missing

CEAD115		Condition 16- Lead 2, EV7
<i>N</i>	<i>Value</i>	<i>Description</i>
1	3	
11103		Missing

CEAD116		Condition 16- Lead 3, EV7
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	
44	3	
11059		Missing

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CEAD117		Condition 17- Lead 1, EV8
N	Value	Description
50	1	
56	2	
949	3	
36	4	
10013		Missing

CEAD118		Condition 17- Lead 2, EV8
N	Value	Description
9	1	
15	2	
274	3	
22	4	
10784		Missing

CEAD119		Cond 17- Lead 3, Ev8
N	Value	Description
56	1	
65	2	
717	3	
41	4	
10225		Missing

CEAD12		T Wave (5x) II III aVF - 1st ECG
N	Value	Description
3	1	T amplitude negative 5.0 mm or more in lead II, or in lead aVF when QRS is mainly upright
793	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
1212	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
9096		Missing

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CEAD120		Cond 18- Lead 1, Ed4,7,ev5
N	Value	Description
48	1	
8	3	
2	4	
11046		Missing

CEAD121		Cond 18- Lead 2, Ed4,7,ev5
N	Value	Description
44	1	
8	3	
2	4	
11050		Missing

CEAD122		Cond 18- Lead 3, Ed4,7,ev5
N	Value	Description
76	1	
32	3	
3	4	
10993		Missing

CEAD123		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 Condition 23- Lead 1, EV5
N	Value	Description
67	2	
7	3	
2	4	
11028		Missing

CEAD124		Condition 23- Lead 2, EV5
N	Value	Description
176	2	
16	3	
6	4	
10906		Missing

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CEAD125		Condition 23- Lead 3, EV5
N	Value	Description
102	2	
34	3	
2	4	
10966		Missing

CEAD126		ED1 Pattern Met
N	Value	Description
215	Y	
10889		Missing

CEAD127		ED2 Pattern Met
N	Value	Description
2	Y	
11102		Missing

CEAD128		ED3 Pattern Met
N	Value	Description
10	Y	
11094		Missing

CEAD129		ED4 Pattern Met
N	Value	Description
11104		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
1757	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
1094	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
8127		Missing

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CEAD130		ED5 Pattern Met
N	Value	Description
11	Y	
11093		Missing

CEAD131		ED6 Pattern Met
N	Value	Description
27	Y	
11077		Missing

CEAD132		ED7 Pattern Met
N	Value	Description
6	Y	
11098		Missing

CEAD133		EV1 Pattern Met
N	Value	Description
1334	Y	
9770		Missing

CEAD134		EV2 Pattern Met
N	Value	Description
66	Y	
11038		Missing

CEAD135		EV3 Pattern Met
N	Value	Description
2009	Y	
9095		Missing

CEAD136		EV4 Pattern Met
N	Value	Description
80	Y	
11024		Missing

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<i>CEAD137</i>		<i>EV5 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
339	Y	
10765		Missing

<i>CEAD138</i>		<i>EV6 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3	Y	
11101		Missing

<i>CEAD139</i>		<i>EV7 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	Y	
11103		Missing

<i>CEAD14</i>		<i>ST Segment elevation (92x) I aVL V6 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
108	2	ST segment elevation = 1.0 mm in any of leads I, aVL, V6
10996		Missing

<i>CEAD140</i>		<i>EV8 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
204	Y	
10900		Missing

<i>CEAD141</i>		<i>Heart Rate-1st ECG-Beats Per Minute</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10927	Range	24 - 999 (median=81 mean=87.3 std=31.0)
177		Missing

<i>CEAD142</i>		<i>Heart Rate Follow-up ECG-Beats Per Minute</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10943	Range	25 - 300 (median=77 mean=81.9 std=25.1)
161		Missing

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CEAD143		Condition 23- Lead 1, EV5
N	Value	Description
1	1	
2	2	
22	3	
11079		Missing

CEAD144		Condition 23- Lead 2, EV5
N	Value	Description
2	1	
8	2	
43	3	
2	4	
11049		Missing

CEAD145		Condition 23- Lead 3, EV5
N	Value	Description
7	1	
7	2	
67	3	
11023		Missing

CEAD146		Condition 23- Lead 1, EV1
N	Value	Description
22	1	
26	3	
11056		Missing

CEAD147		Condition 23- Lead 2, EV1
N	Value	Description
7	1	
8	3	
11089		Missing

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CEAD148		Condition 23- Lead 3, EV1
N	Value	Description
23	1	
23	3	
5	4	
11053		Missing

CEAD149		Condition 23- Lead 1, EV1
N	Value	Description
60	2	
39	3	
4	4	
11001		Missing

CEAD15		ST Segment elevation (92x) II III aVF - 1st ECG
N	Value	Description
263	2	ST segment elevation = 1.0 mm in any of leads II, III, aVF
10841		Missing

CEAD150		Condition 23- Lead 2, EV1
N	Value	Description
5	2	
10	3	
11089		Missing

CEAD151		Condition 23- Lead 3, EV1
N	Value	Description
48	2	
30	3	
2	4	
11024		Missing

CEAD16		ST Segment elevation (92x) V1-V5 - 1st ECG
N	Value	Description
239	2	ST segment elevation = 1.0 mm in lead V5 or ST segment elevation = 2.0 mm in any of leads V1 - V4
10865		Missing

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<i>CEAD17</i>		<i>R Wave Amplitude (3x) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
591	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
194	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
10319		Missing

<i>CEAD18</i>		<i>A-V Conduction Defect (6xx) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
36	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
519	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
476	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)
12	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	
9904		Missing

<i>CEAD19</i>		<i>Ventr Cond Defect (7xx) - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
189	3	
299	4	
130	5	
117	6	
69	7	
664	11	
1	12	
908	21	
8727		Missing

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<i>CEAD20</i>		<i>Misc (9x) 1x - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
538	1	
10566		Missing

<i>CEAD21</i>		<i>Misc (9x) 3x - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
34	3	
11070		Missing

<i>CEAD22</i>		<i>Misc (9x) 5x - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
46	5	
11058		Missing

<i>CEAD23</i>		<i>Ventricular Conduction Defect (7xx) - 1st ECG Miscellaneous Items (9x) 1x - 1st ECG Miscellaneous Items (9x) 3x - 1st ECG Miscellaneous Items (9x) 5x - 1st ECG U Wave (Blank) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
11104		Missing

<i>CEAD24</i>		<i>Suppression 8 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
44	2	
160	4	
10900		Missing

<i>CEAD25</i>		<i>Technical Problem (98x) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
943	1	Technical problems which interfere with coding
415	2	Technical problems which do not interfere with coding
9746		Missing

<i>CEAD26</i>		<i>Clear - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2189	0	
8913	1	
2		Missing

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<i>CEAD27</i>		<i>Suppression Pattern (6xx) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
719	1	
10383	2	
2		Missing

<i>CEAD28</i>		<i>Type Of Suppression (6xx) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10383	0	
36	C	
44	F	
476	P	
160	V	
3	W	
2		Missing

<i>CEAD29</i>		<i>Bundle Branch Block - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
664	1	
908	2	
9530	3	
2		Missing

<i>CEAD30</i>		<i>Major Q I aVL V6 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
139	1	
10963	2	
2		Missing

<i>CEAD31</i>		<i>Minor Q I aVL V6 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
121	1	
10981	2	
2		Missing

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CEAD32		Major Q II III aVF - 1st ECG
N	Value	Description
370	1	
10732	2	
2		Missing

CEAD33		Minor Q II III aVF - 1st ECG
N	Value	Description
322	1	
10780	2	
2		Missing

CEAD34		Major Q V1-V5 - 1st ECG
N	Value	Description
657	1	
10445	2	
2		Missing

CEAD35		Minor Q V1-V5 - 1st ECG
N	Value	Description
571	1	
10531	2	
2		Missing

CEAD36		ECG Technician - Follow Up ECG
N	Value	Description
128	0	
10972	999	
4		Missing

CEAD37_FOLLOWUPDAYS		Days Of Follow Up From Visit 1 To Ecg Date - Fup Ecg
N	Value	Description
11102	Range	5 - 13479 (median=6050 mean=6195.5 std=3483.5)
2		Missing

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CEAD37_YEAR		Year Of Ecg Date - Fup Ecg
N	Value	Description
11102	Range	1987 - 2024 (median=2005 mean=2005.1 std=9.6)
2		Missing

CEAD38		Coder - Follow Up ECG
N	Value	Description
11102	Present	Text suppressed
2		Missing

CEAD39_FOLLOWUPDAYS		Days Of Follow Up From Visit 1 To Date Coded - Fup Ecg
N	Value	Description
11102	Range	514 - 13743 (median=6692 mean=6792.2 std=3358.5)
2		Missing

CEAD39_YEAR		Year Of Date Coded - Fup Ecg
N	Value	Description
11102	Range	1991 - 2025 (median=2006 mean=2006.7 std=9.2)
2		Missing

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
37	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
10858		Missing

CHD Cohort Surveillance

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	
122	34	
13	35	
205	36	
10202		Missing

CEAD42		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
N	Value	Description
121	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
266	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
144	27	QS pattern in all of leads V1-V3 (do not code in the presence of 7-1-1)
121	28	Initial R amplitude decreasing to 2.0mm or less in every beat
20	31	
348	32	
9923		Missing

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<i>CEAD43</i>		<i>ST Segment Depression (4xx) I aVL V6 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
626	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
658	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
36	11	STJ depression = 2.0 mm and ST segment horizontal or downward sloping in any of leads I, aVL, or V6
248	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
9519		Missing

<i>CEAD44</i>		<i>ST Segment Depression (4xx) II III aVF - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
205	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in lead II or aVF
239	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
12	11	STJ depression = 2.0 mm and ST segment horizontal or downward sloping in lead II or aVF
93	12	STJ depression = 1.0 mm but < 2.0 mm and ST segment horizontal or downward sloping in lead II or aVF
10544		Missing

<i>CEAD45</i>		<i>ST Segment Depression (4xx) V1-V5 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
476	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads V1 - V5
278	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
84	11	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1-V5
314	12	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1 - V5
9903		Missing

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<i>CEAD46</i>		<i>T Wave (5x) I aVL V6 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
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
1888	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
2371	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
6809		Missing

<i>CEAD47</i>		<i>T Wave (5x) II III aVF - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6	1	T amplitude negative 5.0 mm or more in lead II, or in lead aVF when QRS is mainly upright.
804	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.
1354	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.
8940		Missing

<i>CEAD48</i>		<i>T Wave (5x) V1-V5 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
187	1	T amplitude negative 5.0 mm or more in lead II, or in lead aVF when QRS is mainly upright
1800	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
1154	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
7963		Missing

<i>CEAD49</i>		<i>ST Segment elevation (92x) I aVL V6 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
90	2	ST segment elevation = 1.0 mm in any of leads I, aVL, V6
11014		Missing

<i>CEAD50</i>		<i>ST Segment elevation (92x) II III aVF - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
122	2	ST segment elevation = 1.0 mm in any of leads II, III, aVF
10982		Missing

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<i>CEAD51</i>		<i>ST Segment elevation (92x) V1-V5 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
213	2	ST segment elevation = 1.0 mm in lead V5 or ST segment elevation = 2.0 mm in any of leads V1 - V4
10891		Missing

<i>CEAD52</i>		<i>R (3x) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
513	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
176	3	
10413		Missing

<i>CEAD53</i>		<i>A-V Conduction Defect (6xx) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
22	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
581	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
574	8	Artificial pacemaker
4	21	
9	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
9752		Missing

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CEAD54		Ventricular Conduction Defect (7xx) - Follow Up ECG
N	Value	Description
167	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
257	4	
117	5	
111	6	
78	7	
1	8	
639	11	
2	12	
909	21	
8823		Missing

CEAD55		Miscellaneous Items (9x) 1x - Follow Up ECG
N	Value	Description
702	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
10402		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
11085		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
11084		Missing

CEAD58		U Wave (Blank) - Follow Up ECG
N	Value	Description
11104		Missing

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CEAD59		Suppression 8 - Follow Up ECG
N	Value	Description
28	2	
59	4	
11017		Missing

CEAD60		Technical Problem (98x) - Follow Up ECG
N	Value	Description
850	1	Technical problems which interfere with coding
291	2	Technical problems which do not interfere with coding
9963		Missing

CEAD61		Clear - Follow Up ECG
N	Value	Description
2238	0	
8863	1	
3		Missing

CEAD62		Suppression Pattern (6xx) - Follow Up ECG
N	Value	Description
685	1	
10417	2	
2		Missing

CEAD63		Type Of Suppression (6xx) - Follow Up ECG
N	Value	Description
10417	0	
22	C	
28	F	
574	P	
59	V	
2	W	
2		Missing

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CEAD64		Bundle Branch Block - Follow Up ECG
N	Value	Description
639	1	
909	2	
9554	3	
2		Missing

CEAD65		Major Q I AVL V6 - Follow Up ECG
N	Value	Description
125	1	
10977	2	
2		Missing

CEAD66		Minor Q I AVL V6 - Follow Up ECG
N	Value	Description
121	1	
10981	2	
2		Missing

CEAD67		Major Q II III AVF - Follow Up ECG
N	Value	Description
431	1	
10671	2	
2		Missing

CEAD68		Minor Q II III AVF - Follow Up ECG
N	Value	Description
388	1	
10714	2	
2		Missing

CEAD69		Major Q V1-V5 - Follow Up ECG
N	Value	Description
692	1	
10410	2	
2		Missing

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CEAD70		Minor Q V1-V5 - Follow Up ECG
N	Value	Description
489	1	
10613	2	
2		Missing

CEAD71		Third Or Last - Follow Up ECG
N	Value	Description
11102	T	
2		Missing

CEAD72		Condition 1 - Lead 1, ED1
N	Value	Description
39	1	
27	3	
3	4	
11035		Missing

CEAD73		Condition 1 - Lead 2, ED1
N	Value	Description
75	1	
105	3	
4	4	
10920		Missing

CEAD74		Condition 1 - Lead 3, ED1
N	Value	Description
99	1	
127	3	
9	4	
10869		Missing

CEAD75		Condition 2 - Lead 1, ED1
N	Value	Description
2	1	
3	3	
11099		Missing

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CEAD76		Condition 2 - Lead 2, ED1
N	Value	Description
2	1	
11102		Missing

CEAD77		Condition 2 - Lead 3, ED1
N	Value	Description
16	1	
19	3	
11069		Missing

CEAD78		Condition 3 - Lead 1, ED2,3,4
N	Value	Description
1	1	
11103		Missing

CEAD79		Condition 3 - Lead 2, ED2,3,4
N	Value	Description
12	1	
9	3	
11083		Missing

CEAD80		Condition 3 - Lead 3, ED2,3,4
N	Value	Description
9	1	
20	3	
11075		Missing

CEAD81		Condition 4 - Lead 1, ED5,6,7
N	Value	Description
21	1	
23	3	
2	4	
11058		Missing

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CEAD82		Condition 4 - Lead 2, ED5,6,7
N	Value	Description
64	1	
121	3	
3	4	
10916		Missing

CEAD83		Condition 4 - Lead 3, ED5,6,7
N	Value	Description
96	1	
123	3	
1	4	
10884		Missing

CEAD84		Condition 5 - Lead 1, EV1-EV8
N	Value	Description
11104		Missing

CEAD85		Condition 5 - Lead 2, EV1-EV8
N	Value	Description
11104		Missing

CEAD86		Condition 5 - Lead 3, EV1-EV8
N	Value	Description
11104		Missing

CEAD87		Condition 7 - Lead 1, ED2,5,EV1
N	Value	Description
238	1	
47	3	
19	4	
10800		Missing

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CEAD88		Condition 7 - Lead 2, ED2,5,EV1
N	Value	Description
130	1	
19	3	
15	4	
10940		Missing

CEAD89		Condition 7 - Lead 3, ED2,5,EV1
N	Value	Description
271	1	
65	3	
21	4	
10747		Missing

CEAD90		Condition 8 - Lead 1, EV2
N	Value	Description
10	1	
4	3	
1	4	
11089		Missing

CEAD91		Condition 8 - Lead 2, EV2
N	Value	Description
3	1	
2	3	
11099		Missing

CEAD92		Condition 8 - Lead 3, EV2
N	Value	Description
14	1	
12	3	
11078		Missing

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CEAD93		Condition 9 - Lead 1, EV1
N	Value	Description
577	2	
70	3	
27	4	
10430		Missing

CEAD94		Condition 9 - Lead 2, EV1
N	Value	Description
246	2	
25	3	
18	4	
10815		Missing

CEAD95		Condition 9 - Lead 3, EV1
N	Value	Description
527	2	
69	3	
23	4	
10485		Missing

CEAD96		Condition 10- Lead 1, EV2
N	Value	Description
25	2	
5	3	
11074		Missing

CEAD97		Condition 10- Lead 2, EV2
N	Value	Description
4	2	
1	3	
1	4	
11098		Missing

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<i>CEAD98</i>		<i>Condition 10- Lead 3, EV2</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
30	2	
15	3	
11059		Missing

<i>CEAD99</i>		<i>Condition 11- Lead 1, EV6</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	
10	3	
11093		Missing

<i>CEADFLAG</i>		<i>1= CEAD Form Is Present</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
11104	1	

<i>CONTYR</i>		<i>Contact Year - Surv. Record Seq. Number</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
11104	1	

<i>ID</i>		<i>ARIC Occurrence ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
11104	Present	Text suppressed