

**CHD Cohort Surveillance****ECG**

Data set name: C22CEMB1\_NP

## ECG

<i>CEBD01</i>		<i>ECG Technician - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
172	0	
23137	999	
2		Missing

<i>CEBD02_FOLLOW UPDAYS</i>		<i>Days Of Follow Up From Visit 1 To Ecg Date - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23309	Range	0 - 13113 ( median=6405 mean=6351.8 std=3436.2 )
2		Missing

<i>CEBD02_YEAR</i>		<i>Year Of Ecg Date - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23309	Range	1987 - 2022 ( median=2006 mean=2005.5 std=9.4 )
2		Missing

<i>CEBD03</i>		<i>ECG Coder - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23311	Present	Text suppressed

<i>CEBD04_FOLLOW UPDAYS</i>		<i>Days Of Follow Up From Visit 1 To Date Coded - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23311	Range	514 - 13731 ( median=7063 mean=6947.3 std=3306.3 )

<i>CEBD04_YEAR</i>		<i>Year Of Date Coded - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23311	Range	1991 - 2024 ( median=2008 mean=2007.1 std=9.1 )

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CEBD05		Q-QS Pattern (1xx) I aVL V6 - 1st ECG
N	Value	Description
75	11	Q/R amplitude ratio = 1/3, plus Q duration = 0.03 sec in lead I or V6
12	12	Q duration = 0.04 sec in lead I or V6
44	13	Q duration = 0.04 sec, plus R amplitude = 3 mm in lead a VL
57	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 and < 0.03 sec in lead I or V6
33	22	Q duration = 0.03 sec and < 0.04 sec lead I or V6
43	23	QS pattern in lead I. Do not code in the presence of 7-1-1
26	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.)
78	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.
146	33	Q duration = 0.03 sec and < 0.04 sec, plus R amplitude = 3 mm in lead aVL.
22797		Missing

CEBD06		Q-QS Pattern (1xx) II III aVF - 1st ECG
N	Value	Description
91	11	
7	12	
78	14	
16	15	
139	21	
28	22	
201	23	
148	24	
14	25	
132	26	
57	31	
262	34	
32	35	
326	36	
21780		Missing

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<i>CEBD07</i>		<i>Q-QS Pattern (1xx) V1-V5 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
252	11	Q/R amplitude ratio = 1/3 plus Q duration = 0.03 sec in any of leads V2-V5
103	12	Q duration = 0.04 sec in any of leads V1-V5
475	16	QS pattern when initial R-wave is present in adj lead to the right on the chest, in any leads V2-V6
134	17	QS pattern in all of leads V1-V4 or V1-V5
85	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 sec and < 0.03 sec, in any of leads V2-V5
29	22	Q duration = 0.03 sec and < 0.04 sec in any of leads V2-V5
246	27	QS pattern in all of leads V1-V3 (do not code in the presence of 7-1-1)
339	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)
37	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
769	32	QS pattern in lead V1 and V2. (Do not code in the presence of 3-1 or 7-1-1.)
20842		Missing

<i>CEBD08</i>		<i>ST Segment Depression (4xx) I aVL V6 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1396	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
1337	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
48	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped, in any of leads I, aVL, or V6
123	11	STJ depression = 2.0 mm and ST segment horizontal or downward sloping in any of leads I, aVL, or V6
753	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
19654		Missing

<i>CEBD09</i>		<i>ST Segment Depression (4xx) II III aVF - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
483	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in lead II or aVF
458	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.
34	4	STJ depression = 1.0 mm and ST segment upward sloping, or U-shaped, in lead II
23	11	STJ depression = 2.0 mm and ST segment horizontal or downward sloping in lead II or aVF
258	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.
22054		Missing

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<i>CEBD10</i>		<i>ST Segment Depression (4xx) V1-V5 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
997	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads V1 - V5
481	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
114	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped in any of leads V1 - V5
225	11	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1-V5
743	12	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1 - V5
20751		Missing

<i>CEBD100</i>		<i>Condition 11- Lead 2, EV6</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	3	
23310		Missing

<i>CEBD101</i>		<i>Condition 11- Lead 3, EV6</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
20	3	
23291		Missing

<i>CEBD102</i>		<i>Condition 12- Lead 1, ED3,6,EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
711	1	
194	3	
45	4	
22361		Missing

<i>CEBD103</i>		<i>Condition 12- Lead 2, ED3,6,EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
472	1	
75	3	
32	4	
22732		Missing

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<i>CEBD104</i>		<i>Condition 12- Lead 3, ED3,6,EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1086	1	
102	3	
56	4	
22067		Missing

<i>CEBD105</i>		<i>Condition 13- Lead 1, EV4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	1	
17	3	
1	4	
23277		Missing

<i>CEBD106</i>		<i>Condition 13- Lead 2, EV4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
4	1	
1	3	
23306		Missing

<i>CEBD107</i>		<i>Condition 13- Lead 3, EV4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
48	1	
39	3	
2	4	
23222		Missing

<i>CEBD108</i>		<i>Condition 14- Lead 1, EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1011	2	
217	3	
60	4	
22023		Missing

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<i>CEBD109</i>		<i>Condition 14- Lead 2, EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
542	2	
98	3	
65	4	
22606		Missing

<i>CEBD11</i>		<i>T Wave (5x) I aVL V6 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
82	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
3885	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
5072	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
14272		Missing

<i>CEBD110</i>		<i>Condition 14- Lead 3, EV3</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1000	2	
117	3	
55	4	
22139		Missing

<i>CEBD111</i>		<i>Condition 15- Lead 1, EV4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
17	2	
11	3	
7	4	
23276		Missing

<i>CEBD112</i>		<i>Condition 15- Lead 2, EV4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	3	
23310		Missing

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<i>CEBD113</i>		<i>Condition 15- Lead 3, EV4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
41	2	
34	3	
2	4	
23234		Missing

<i>CEBD114</i>		<i>Condition 16- Lead 1, EV7</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15	3	
23296		Missing

<i>CEBD115</i>		<i>Condition 16- Lead 2, EV7</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	3	
23310		Missing

<i>CEBD116</i>		<i>Condition 16- Lead 3, EV7</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	1	
50	3	
1	4	
23258		Missing

<i>CEBD117</i>		<i>Condition 17- Lead 1, EV8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
68	1	
95	2	
1456	3	
42	4	
21650		Missing

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<i>CEBD118</i>		<i>Condition 17- Lead 2, EV8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
12	1	
18	2	
366	3	
23	4	
22892		Missing

<i>CEBD119</i>		<i>Cond 17- Lead 3, Ev8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
89	1	
105	2	
1116	3	
35	4	
21966		Missing

<i>CEBD12</i>		<i>T Wave (5x) II III aVF - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	1	T amplitude negative 5.0 mm or more in lead II, or in lead aVF when QRS is mainly upright
1405	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
2695	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
19204		Missing

<i>CEBD120</i>		<i>Cond 18- Lead 1, Ed4,7,ev5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
56	1	
1	3	
2	4	
23252		Missing

<i>CEBD121</i>		<i>Cond 18- Lead 2, Ed4,7,ev5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
52	1	
7	3	
3	4	
23249		Missing



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<i>CEBD122</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>
98	1	
30	3	
8	4	
23175		Missing

<i>CEBD123</i>		<i>Condition 22- Lead 1, EV5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
84	2	
19	3	
1	4	
23207		Missing

<i>CEBD124</i>		<i>Condition 22- Lead 2, EV5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
226	2	
17	3	
3	4	
23065		Missing

<i>CEBD125</i>		<i>Condition 22- Lead 3, EV5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
143	2	
60	3	
4	4	
23104		Missing

<i>CEBD126</i>		<i>ED1 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
317	Y	
22994		Missing

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<i>CEBD127</i>		<i>ED2 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	Y	
23309		Missing

<i>CEBD128</i>		<i>ED3 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
10	Y	
23301		Missing

<i>CEBD129</i>		<i>ED4 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	Y	
23310		Missing

<i>CEBD13</i>		<i>T Wave (5x) V1-V5 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
206	1	T amplitude negative 5.0 mm or more in any of leads V2 - V5
3311	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
2426	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
17367		Missing

<i>CEBD130</i>		<i>ED5 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
13	Y	
23298		Missing

<i>CEBD131</i>		<i>ED6 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
51	Y	
23260		Missing

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<i>CEBD132</i>		<i>ED7 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5	Y	
23306		Missing

<i>CEBD133</i>		<i>EV1 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2015	Y	
21296		Missing

<i>CEBD134</i>		<i>EV2 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
69	Y	
23242		Missing

<i>CEBD135</i>		<i>EV3 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3170	Y	
20141		Missing

<i>CEBD136</i>		<i>EV4 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
106	Y	
23205		Missing

<i>CEBD137</i>		<i>EV5 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
447	Y	
22864		Missing

<i>CEBD138</i>		<i>EV6 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	Y	
23310		Missing

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<i>CEBD139</i>		<i>EV7 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	Y	
23309		Missing

<i>CEBD14</i>		<i>ST Segment elevation (92x) I aVL V6 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
129	2	ST segment elevation = 1.0 mm in any of leads I, aVL, V6
23182		Missing

<i>CEBD140</i>		<i>EV8 Pattern Met</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
328	Y	
22983		Missing

<i>CEBD141</i>		<i>Heart Rate-1st ECG-Beats Per Minute</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23069	Range	20 - 999 ( median=81 mean=86.0 std=28.0 )
242		Missing

<i>CEBD142</i>		<i>Heart Rate Follow-up ECG-Beats Per Minute</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
18701	Range	7 - 999 ( median=75 mean=80.1 std=23.3 )
4610		Missing

<i>CEBD143</i>		<i>Condition 22- Lead 1, EV5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	
12	3	
1	4	
23297		Missing

<i>CEBD144</i>		<i>Condition 22- Lead 2, EV5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
8	2	
38	3	
23265		Missing

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<i>CEBD145</i>		<i>Condition 22- Lead 3, EV5</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5	1	
14	2	
73	3	
3	4	
23216		Missing

<i>CEBD146</i>		<i>Condition 22- Lead 1, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
18	1	
35	3	
4	4	
23254		Missing

<i>CEBD147</i>		<i>Condition 22- Lead 2, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
4	1	
16	3	
23291		Missing

<i>CEBD148</i>		<i>Condition 22- Lead 3, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
26	1	
36	3	
3	4	
23246		Missing

<i>CEBD149</i>		<i>Condition 22- Lead 1, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
67	2	
62	3	
5	4	
23177		Missing

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<i>CEBD15</i>		<i>ST Segment elevation (92x) II III aVF - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
314	2	
22997		Missing

<i>CEBD150</i>		<i>Condition 22- Lead 2, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15	2	
20	3	
23276		Missing

<i>CEBD151</i>		<i>Condition 22- Lead 3, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
53	2	
57	3	
2	4	
23199		Missing

<i>CEBD16</i>		<i>ST Segment elevation (92x) V1-V5 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
358	2	ST segment elevation = 1.0 mm in lead V5 or ST segment elevation = 2.0 mm in any of leads V1 - V4
22953		Missing

<i>CEBD17</i>		<i>R Wave Amplitude (3x) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1239	1	
391	3	
21681		Missing

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<i>CEBD18</i>		<i>Av Cond Defect (6xx) - 1st Ecg A-V Conduction Defect (6xx) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
53	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
1143	3	P-R (P-Q) interval = 0.22 sec in the majority of beats in any of leads I, II, III, aVL, aVF
253	5	Short P-R interval. P-R interval < 0.12 sec in all beats of any two of leads I, II, III, aVL, aVF
2	6	
1379	8	Artificial pacemaker
9	21	Mobitz Type II (occurrence of P-wave on time with dropped QRS and T)
19	22	Partial (second degree) A-V block in any lead (2:1 or 3:1 block)
21	23	Wenckebach's Phenomenon (P-R interval increasing from beat to beat until QRS and T dropped)
4	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 (6
20428		Missing

<i>CEBD19</i>		<i>Ventr Cond Defect (7xx) - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
357	3	
591	4	
260	5	
228	6	
149	7	
1	8	
1433	11	
1	12	
1923	21	
1	22	
18367		Missing

<i>CEBD20</i>		<i>Misc (9x) 1x - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1243	1	
22068		Missing

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<i>CEBD21</i>		<i>Misc (9x) 3x - 1st Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
79	3	
23232		Missing

<i>CEBD22</i>		<i>Misc (9x) 1x - 1st Ecg Miscellaneous Items (9x) 1x - 1st ECG Miscellaneous Items (9x) 3x - 1st ECG Miscellaneous Items (9x) 5x - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
71	5	T-wave amplitude > 12 mm in any of leads I, II, III, aVL, aVF, V1 - V6
23240		Missing

<i>CEBD23</i>		<i>U Wave (Blank) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23311		Missing

<i>CEBD24</i>		<i>Suppression 8 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
58	2	
235	4	
23018		Missing

<i>CEBD25</i>		<i>Technical Problem (98x) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1706	1	Technical problems which interfere with coding
930	2	Technical problems which do not interfere with coding
20675		Missing

<i>CEBD26</i>		<i>Clear - 1st Ecg Clear - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
4747	0	
18563	1	
1		Missing

<i>CEBD27</i>		<i>Suppression Pat (6xx) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1729	1	
21582	2	



**CHD Cohort Surveillance**

<i>CEBD28</i>		<i>Type Of Suppression (6xx) - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
21582	0	
53	C	
58	F	
1379	P	
235	V	
4	W	

<i>CEBD29</i>		<i>Bundle Branch Block - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1433	1	
1923	2	
19955	3	

<i>CEBD30</i>		<i>Major Q I aVL V6 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
264	1	
23047	2	

<i>CEBD31</i>		<i>Minor Q I aVL V6 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
251	1	
23060	2	

<i>CEBD32</i>		<i>Major Q II III aVF - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
722	1	
22589	2	

<i>CEBD33</i>		<i>Minor Q II III aVF - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
677	1	
22634	2	

**CHD Cohort Surveillance**

<i>CEBD34</i>		<i>Major Q V1-V5 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1324	1	
21987	2	

<i>CEBD35</i>		<i>Minor Q V1-V5 - 1st ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1146	1	
22165	2	

<i>CEBD36</i>		<i>ECG Technician - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
174	0	
18750	999	
4387		Missing

<i>CEBD37_FOLLOW UPDAYS</i>		<i>Days Of Follow Up From Visit 1 To Ecg Date - Fup Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
18925	Range	4 - 13119 ( median=6370 mean=6352.9 std=3331.8 )
4386		Missing

<i>CEBD37_YEAR</i>		<i>Year Of Ecg Date - Fup Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
18925	Range	1987 - 2022 ( median=2006 mean=2005.5 std=9.1 )
4386		Missing

<i>CEBD38</i>		<i>Coder - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
18925	Present	Text suppressed
4386		Missing

<i>CEBD39_FOLLOW UPDAYS</i>		<i>Days Of Follow Up From Visit 1 To Date Coded - Fup Ecg</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
18925	Range	518 - 13731 ( median=7022 mean=6946.3 std=3210.8 )
4386		Missing

**CHD Cohort Surveillance**

CEBD39_YEAR		Year Of Date Coded - Fup Ecg
N	Value	Description
18925	Range	1991 - 2024 ( median=2007 mean=2007.1 std=8.8 )
4386		Missing

CEBD40		Q-QS Pattern (1xx) I aVL V6 - Follow Up ECG
N	Value	Description
62	11	Q/R amplitude ratio = 1/3, plus Q duration = 0.03 sec in lead I or V6
6	12	Q duration = 0.04 sec in lead I or V6
24	13	Q duration = 0.04 sec, plus R amplitude = 3 mm in lead a VL
58	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 and < 0.03 sec in lead I or V6
29	22	Q duration = 0.03 sec and < 0.04 sec lead I or V6
20	23	QS pattern in lead I. Do not code in the presence of 7-1-1
26	28	Initial R amplitude decreasing to 2 mm or less every beat
58	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
122	33	Q duration = 0.03 sec and < 0.04 sec, plus R amplitude = 3 mm in lead aVL lead I or V6
22906		Missing

CEBD41		Q-QS Pattern (1xx) II III aVF - Follow Up ECG
N	Value	Description
82	11	
7	12	
71	14	
10	15	
133	21	
18	22	
199	23	
126	24	
14	25	
116	26	
75	31	
246	34	
23	35	
295	36	
21896		Missing

**CHD Cohort Surveillance**

<i>CEBD42</i>		<i>Q-QS Pattern (1xx) V1-V5 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
186	11	Q/R amplitude ratio = 1/3 plus Q duration = 0.03 sec in any of leads V2-V5
88	12	Q duration = 0.04 sec in any of leads V1-V5
380	16	QS pattern when initial R-wave is present in adj lead to the right on the chest, in any leads V2-V6
102	17	QS pattern in all of leads V1-V4 or V1-V5
67	21	Q/R amplitude ratio = 1/3, plus Q duration = 0.02 sec and < 0.03 sec, in any of leads V2-V5
26	22	Q duration = 0.03 sec and < 0.04 sec in any of leads V2-V5
204	27	QS pattern in all of leads V1-V3 (do not code in the presence of 7-1-1)
246	28	Initial R amplitude decreasing to 2.0mm or less in every beat
27	31	
606	32	
21379		Missing

<i>CEBD43</i>		<i>ST Segment Depression (4xx) I aVL V6 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
912	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
1063	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
11	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped, in any of leads I, aVL, or V6
30	11	STJ depression = 2.0 mm and ST segment horizontal or downward sloping in any of leads I, aVL, or V6
331	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
20964		Missing

<i>CEBD44</i>		<i>ST Segment Depression (4xx) II III aVF - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
291	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in lead II or aVF
371	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.
7	4	STJ depression = 1.0 mm and ST segment upward sloping, or U-shaped, in lead II
9	11	STJ depression = 2.0 mm and ST segment horizontal or downward sloping in lead II or aVF
104	12	STJ depression = 1.0 mm but < 2.0 mm and ST segment horizontal or downward sloping in lead II or aVF
22529		Missing

**CHD Cohort Surveillance**

<i>CEBD45</i>		<i>ST Segment Depression (4xx) V1-V5 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
720	2	STJ depression = 0.5 mm and < 1.0 mm and ST segment horizontal or downward sloping in any of leads V1 - V5
446	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
46	4	STJ depression = 1.0 mm and ST segment upward sloping or U-shaped in any of leads V1 - V5
85	11	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1-V5
412	12	STJ depression = 2.0 and ST segment horizontal or downward sloping in any of leads V1 - V5
21602		Missing

<i>CEBD46</i>		<i>T Wave (5x) I aVL V6 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
62	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
2809	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
4256	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
1	4	
16183		Missing

<i>CEBD47</i>		<i>T Wave (5x) II III aVF - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
9	1	T amplitude negative 5.0 mm or more in lead II, or in lead aVF when QRS is mainly upright.
1064	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.
2324	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.
19914		Missing

<i>CEBD48</i>		<i>T Wave (5x) V1-V5 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
221	1	T amplitude negative 5.0 mm or more in lead II, or in lead aVF when QRS is mainly upright
2767	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
2044	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
1	4	
18278		Missing

**CHD Cohort Surveillance**

<i>CEBD49</i>		<i>ST Segment elevation (92x) I aVL V6 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
76	2	ST segment elevation = 1.0 mm in any of leads I, aVL, V6
23235		Missing

<i>CEBD50</i>		<i>ST Segment elevation (92x) II III aVF - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
116	2	ST segment elevation = 1.0 mm in any of leads II, III, aVF
23195		Missing

<i>CEBD51</i>		<i>ST Segment elevation (92x) V1-V5 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
259	2	ST segment elevation = 1.0 mm in lead V5 or ST segment elevation = 2.0 mm in any of leads V1 - V4
23052		Missing

<i>CEBD52</i>		<i>R (3x) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
849	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
282	3	
22178		Missing

<i>CEBD53</i>		<i>A-V Conduction Defect (6xx) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
12	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
1020	3	P-R (P-Q) interval = 0.22 sec in the majority of beats in any of leads I, II, III, aVL, aVF
231	5	Short P-R interval. P-R interval < 0.12 sec in all beats of any two of leads I, II, III, aVL, aVF
1303	8	Artificial pacemaker
3	21	
9	22	Partial (second degree) A-V block in any lead (2:1 or 3:1 block)
18	23	Wenckebach's Phenomenon (P-R interval increasing from beat to beat until QRS and T dropped)
1	42	
20714		Missing

**CHD Cohort Surveillance**

<i>CEBD54</i>		<i>Ventricular Conduction Defect (7xx) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
240	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
460	4	
196	5	
176	6	
100	7	
2	8	
1111	11	
1518	21	
1	22	
19507		Missing

<i>CEBD55</i>		<i>Miscellaneous Items (9x) 1x - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1226	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
22085		Missing

<i>CEBD56</i>		<i>Miscellaneous Items (9x) 3x - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
36	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
23275		Missing

<i>CEBD57</i>		<i>Miscellaneous Items (9x) 5x - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	5	T-wave amplitude > 12 mm in any of leads I, II, III, aVL, aVF, V1 - V6
23287		Missing

<i>CEBD58</i>		<i>U Wave (Blank) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23311		Missing

**CHD Cohort Surveillance**

<i>CEBD59</i>		<i>Suppression 8 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	2	
66	4	
23213		Missing

<i>CEBD60</i>		<i>Technical Problem (98x) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1232	1	Technical problems which interfere with coding
445	2	Technical problems which do not interfere with coding
21634		Missing

<i>CEBD61</i>		<i>Clear - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
4043	0	
14882	1	
4386		Missing

<i>CEBD62</i>		<i>Suppression Pattern (6xx) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1414	1	
17512	2	
4385		Missing

<i>CEBD63</i>		<i>Type Of Suppression (6xx) - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
17512	0	
12	C	
32	F	
1303	P	
66	V	
1	W	
4385		Missing



**CHD Cohort Surveillance**

<i>CEBD64</i>		<i>Bundle Branch Block - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1111	1	
1518	2	
16297	3	
4385		Missing

<i>CEBD65</i>		<i>Major Q I AVL V6 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
199	1	
18727	2	
4385		Missing

<i>CEBD66</i>		<i>Minor Q I AVL V6 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
206	1	
18720	2	
4385		Missing

<i>CEBD67</i>		<i>Major Q II III AVF - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
660	1	
18266	2	
4385		Missing

<i>CEBD68</i>		<i>Minor Q II III AVF - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
639	1	
18287	2	
4385		Missing

<i>CEBD69</i>		<i>Major Q V1-V5 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1053	1	
17873	2	
4385		Missing

**CHD Cohort Surveillance**

<i>CEBD70</i>		<i>Minor Q V1-V5 - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
879	1	
18047	2	
4385		Missing

<i>CEBD71</i>		<i>Third Or Last - Follow Up ECG</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
18926	L	
4385		Missing

<i>CEBD72</i>		<i>Condition 1 - Lead 1, ED1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
41	1	
44	3	
1	4	
23225		Missing

<i>CEBD73</i>		<i>Condition 1 - Lead 2, ED1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
108	1	
149	3	
6	4	
23048		Missing

<i>CEBD74</i>		<i>Condition 1 - Lead 3, ED1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
161	1	
174	3	
6	4	
22970		Missing

<i>CEBD75</i>		<i>Condition 2 - Lead 1, ED1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	1	
4	3	
23305		Missing

**CHD Cohort Surveillance**

<i>CEBD76</i>		<i>Condition 2 - Lead 2, ED1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	1	
4	3	
23300		Missing

<i>CEBD77</i>		<i>Condition 2 - Lead 3, ED1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
18	1	
38	3	
23255		Missing

<i>CEBD78</i>		<i>Condition 3 - Lead 1, ED2,3,4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	1	
5	3	
23304		Missing

<i>CEBD79</i>		<i>Condition 3 - Lead 2, ED2,3,4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	1	
35	3	
23260		Missing

<i>CEBD80</i>		<i>Condition 3 - Lead 3, ED2,3,4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	1	
26	3	
23269		Missing

<i>CEBD81</i>		<i>Condition 4 - Lead 1, ED5,6,7</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
38	1	
47	3	
23226		Missing

**CHD Cohort Surveillance**

<i>CEBD82</i>		<i>Condition 4 - Lead 2, ED5,6,7</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
99	1	
223	3	
7	4	
22982		Missing

<i>CEBD83</i>		<i>Condition 4 - Lead 3, ED5,6,7</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
180	1	
233	3	
6	4	
22892		Missing

<i>CEBD84</i>		<i>Condition 5 - Lead 1, EV1-EV8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23311		Missing

<i>CEBD85</i>		<i>Condition 5 - Lead 2, EV1-EV8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23311		Missing

<i>CEBD86</i>		<i>Condition 5 - Lead 3, EV1-EV8</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23311		Missing

<i>CEBD87</i>		<i>Condition 7 - Lead 1, ED2,5,EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
349	1	
79	3	
33	4	
22850		Missing

**CHD Cohort Surveillance**

<i>CEBD88</i>		<i>Condition 7 - Lead 2, ED2,5,EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
185	1	
24	3	
15	4	
23087		Missing

<i>CEBD89</i>		<i>Condition 7 - Lead 3, ED2,5,EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
414	1	
77	3	
22	4	
22798		Missing

<i>CEBD90</i>		<i>Condition 8 - Lead 1, EV2</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6	1	
11	3	
23294		Missing

<i>CEBD91</i>		<i>Condition 8 - Lead 2, EV2</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	
1	3	
23309		Missing

<i>CEBD92</i>		<i>Condition 8 - Lead 3, EV2</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
9	1	
9	3	
23293		Missing

**CHD Cohort Surveillance**

<i>CEBD93</i>		<i>Condition 9 - Lead 1, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
919	2	
120	3	
25	4	
22247		Missing

<i>CEBD94</i>		<i>Condition 9 - Lead 2, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
389	2	
36	3	
33	4	
22853		Missing

<i>CEBD95</i>		<i>Condition 9 - Lead 3, EV1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
827	2	
88	3	
28	4	
22368		Missing

<i>CEBD96</i>		<i>Condition 10- Lead 1, EV2</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
33	2	
12	3	
1	4	
23265		Missing

<i>CEBD97</i>		<i>Condition 10- Lead 2, EV2</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	2	
2	3	
23302		Missing

**CHD Cohort Surveillance**

<i>CEBD98</i>		<i>Condition 10- Lead 3, EV2</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
45	2	
25	3	
1	4	
23240		Missing

<i>CEBD99</i>		<i>Cond 11- Lead 1, Ev6</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	2	
2	3	
23308		Missing

<i>CEBDFLAG</i>		<i>1= CEBD Form Is Present</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23311	1	

<i>CONTYR</i>		<i>Contact Year - Surv. Record Seq. Number</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23311	1	

<i>ID</i>		<i>ARIC Occurrence ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
23311	Present	Text suppressed