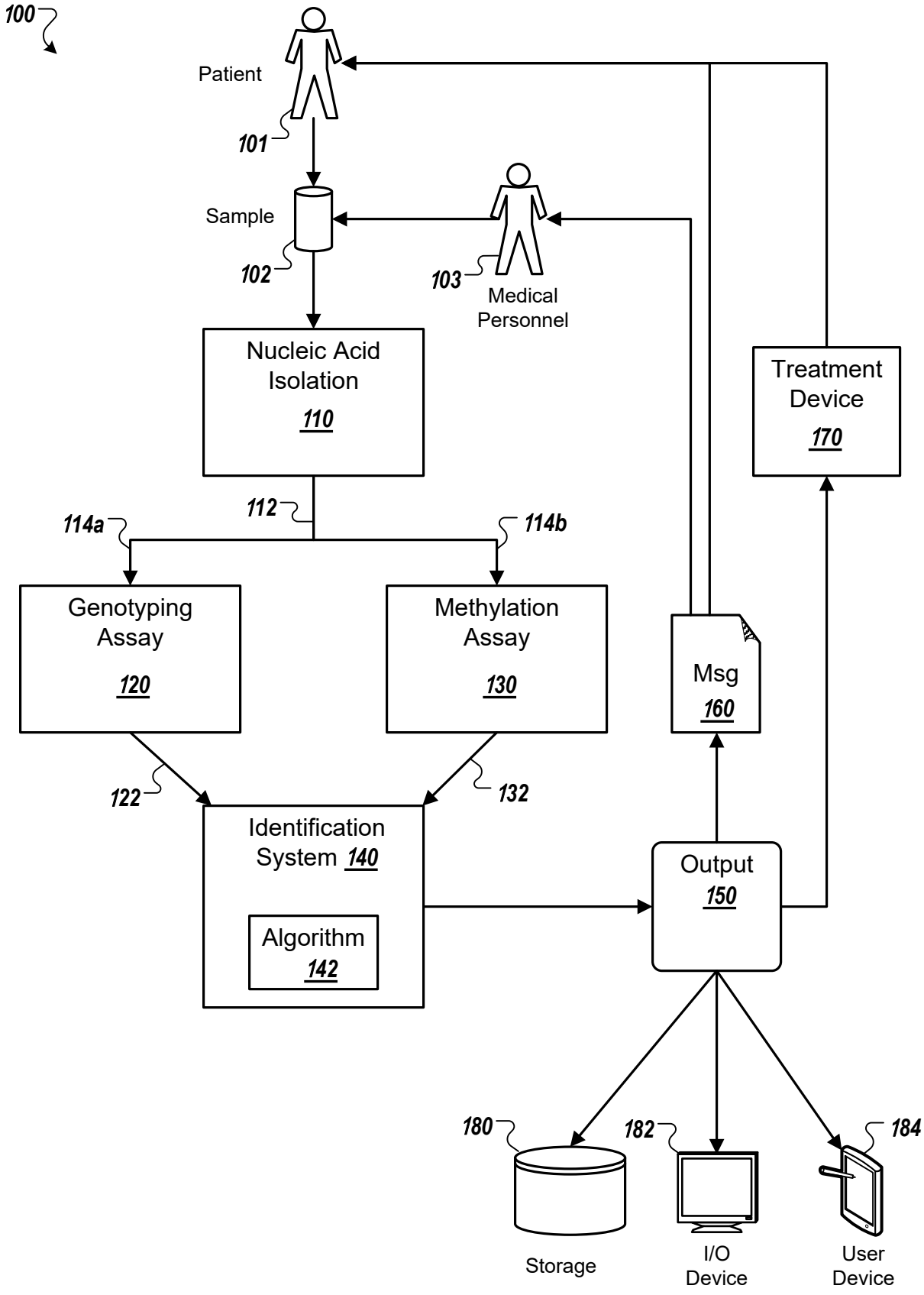

100
Patient
101
Sample
102
103
Medical Personnel
Nucleic Acid Isolation
110
Treatment Device
170
112
114a
114b
Genotyping Assay
120
Methylation Assay
130
Msg
160
122
132
Identification System 140
Algorithm
142
Output
150
180
182
184
Storage
I/O Device
User Device

FIG. 1

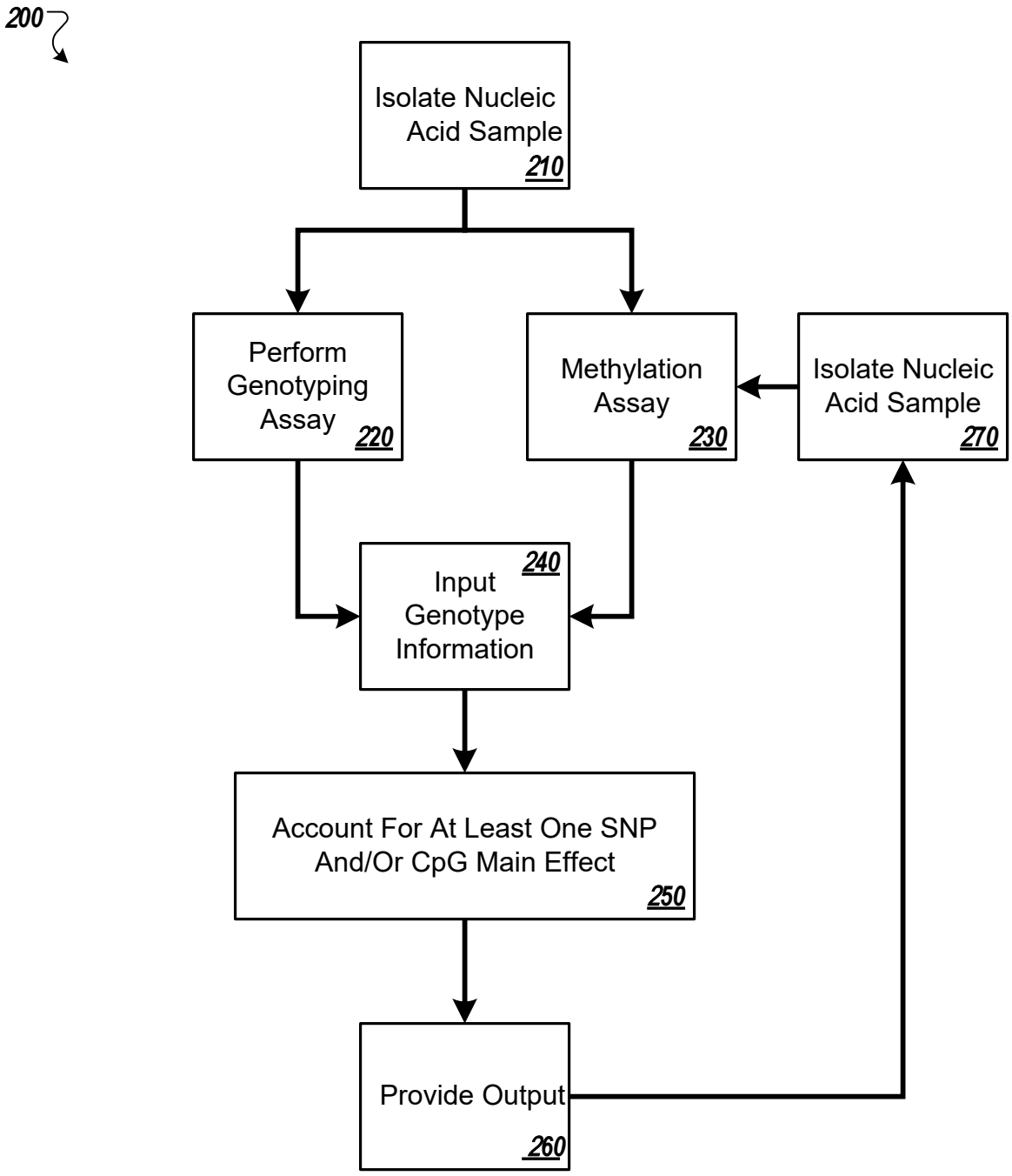

200
Isolate Nucleic Acid Sample
210
Perform Genotyping Assay
220
Methylation Assay
230
Isolate Nucleic Acid Sample
270
240
Input Genotype Information
Account For At Least One SNP And/Or CpG Main Effect
250
Provide Output
260

FIG. 2

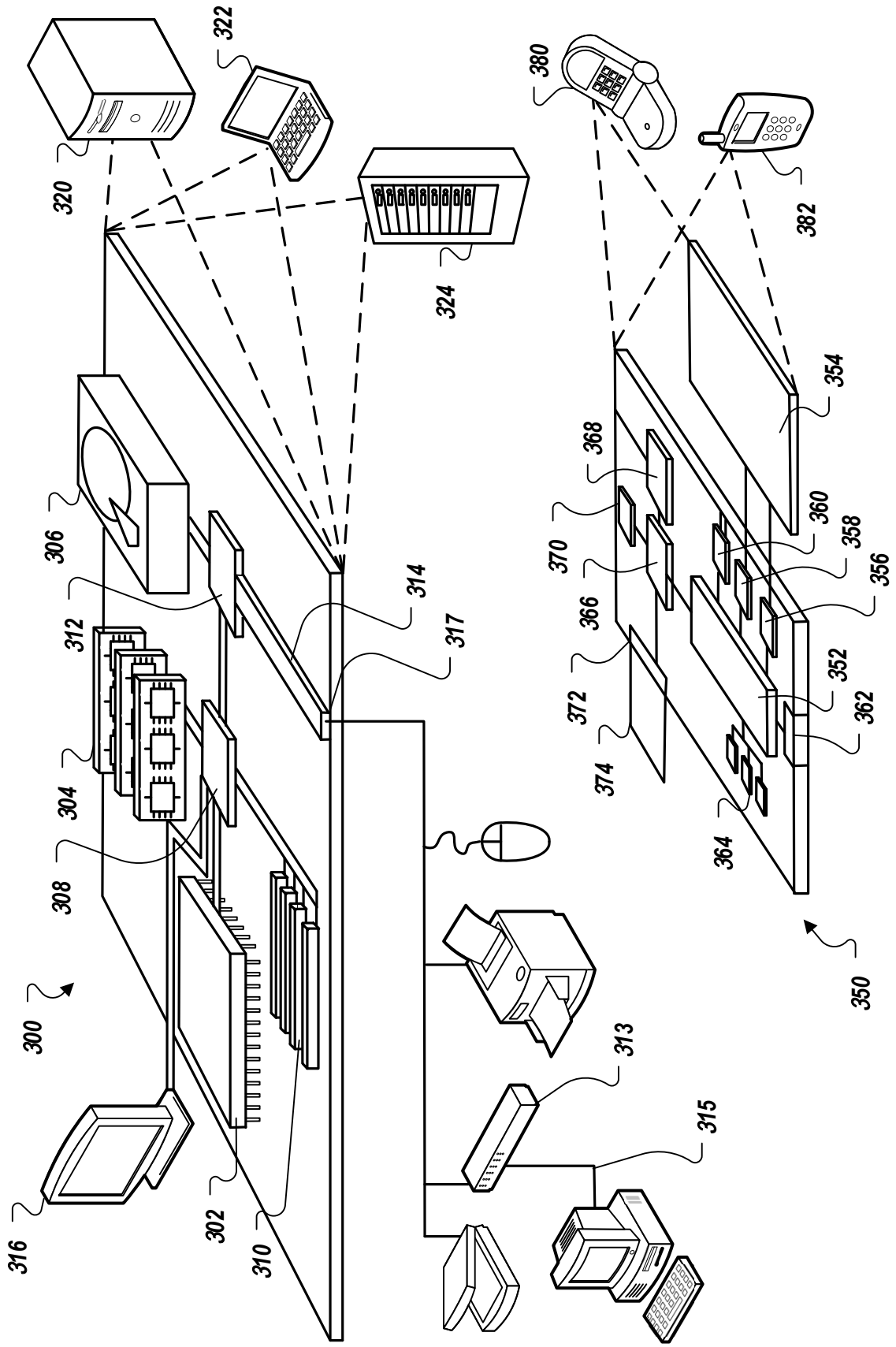

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FIG. 3

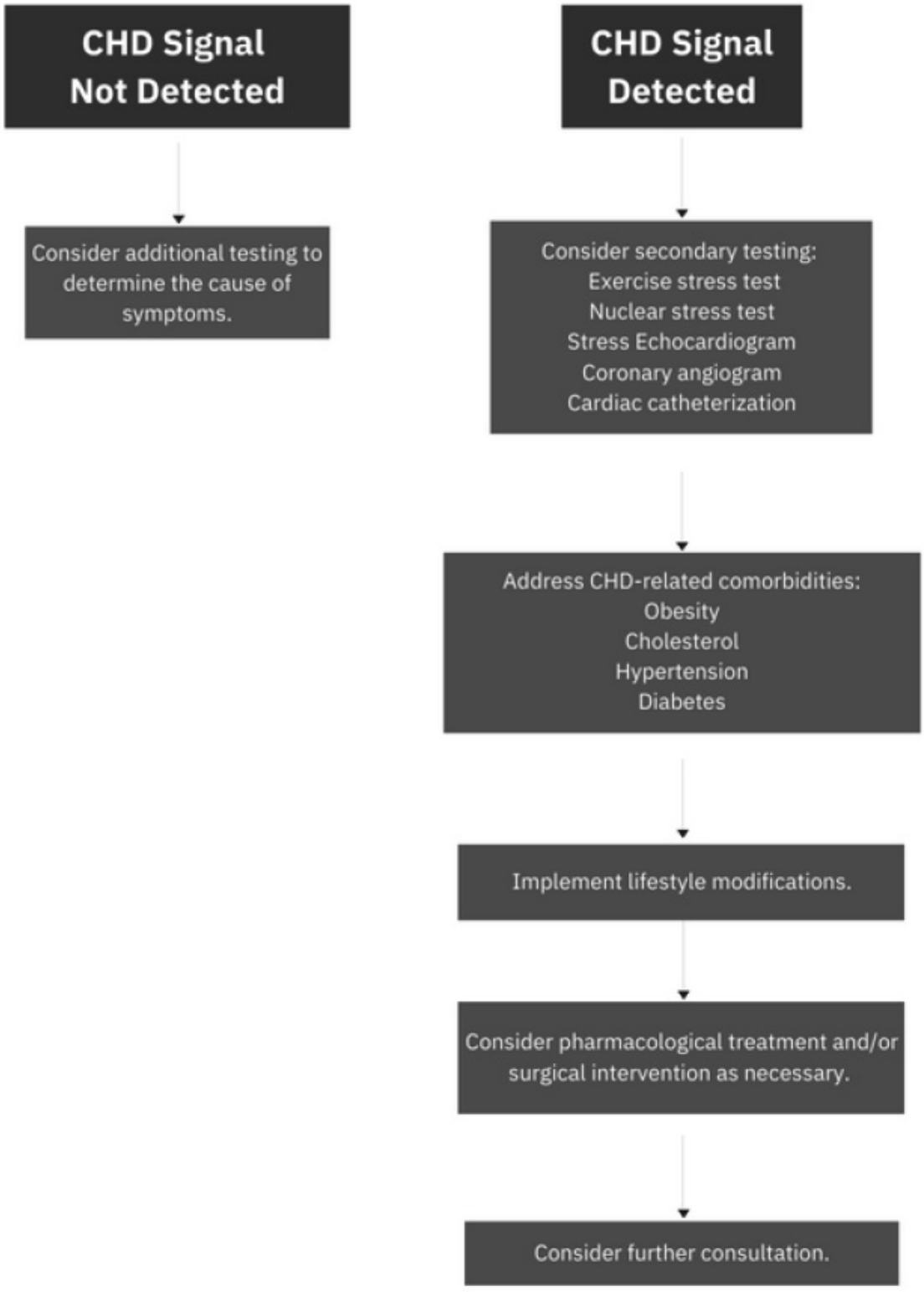

CHD Signal Not Detected
Consider additional testing to determine the cause of symptoms.
CHD Signal Detected
Consider secondary testing:
Exercise stress test
Nuclear stress test
Stress Echocardiogram
Coronary angiogram
Cardiac catheterization
Address CHD-related comorbidities:
Obesity
Cholesterol
Hypertension
Diabetes
Implement lifestyle modifications.
Consider pharmacological treatment and/or surgical intervention as necessary.
Consider further consultation.

FIG. 4

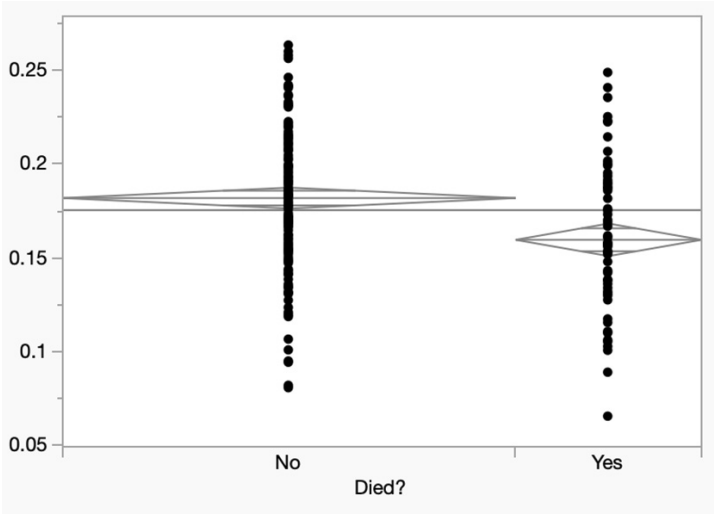


FIG. 5A

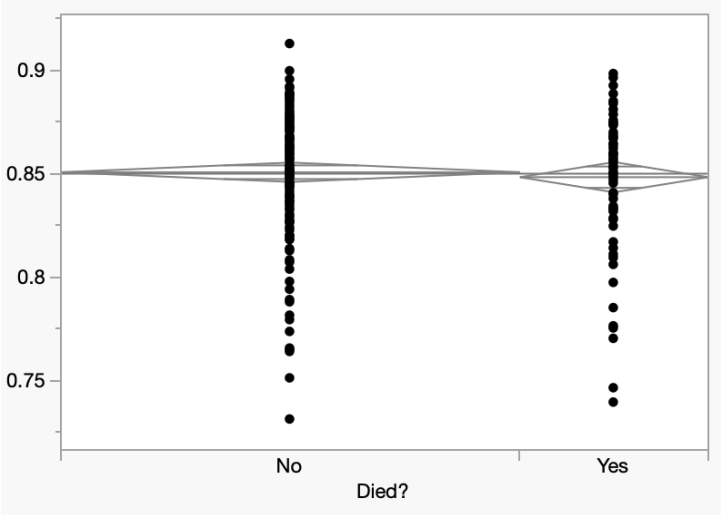


FIG. 5B

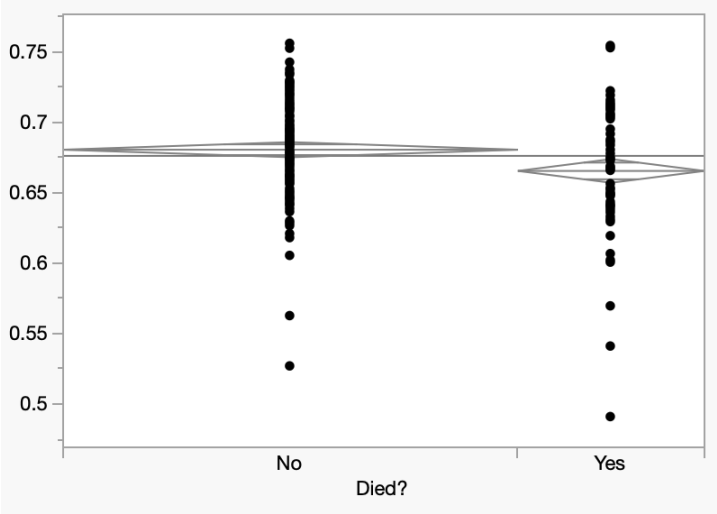


FIG. 5C

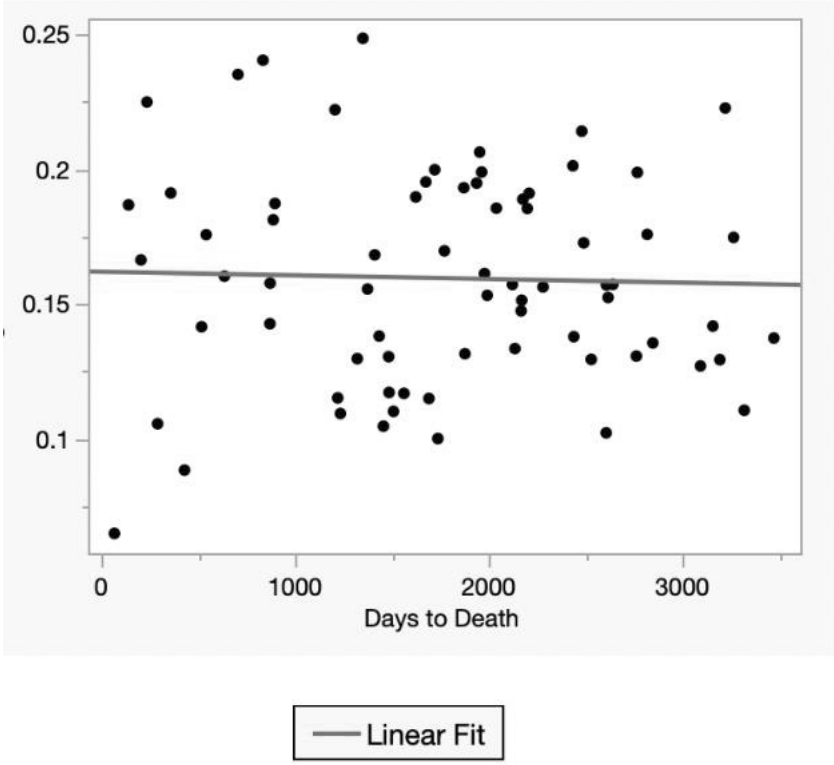


FIG. 6A

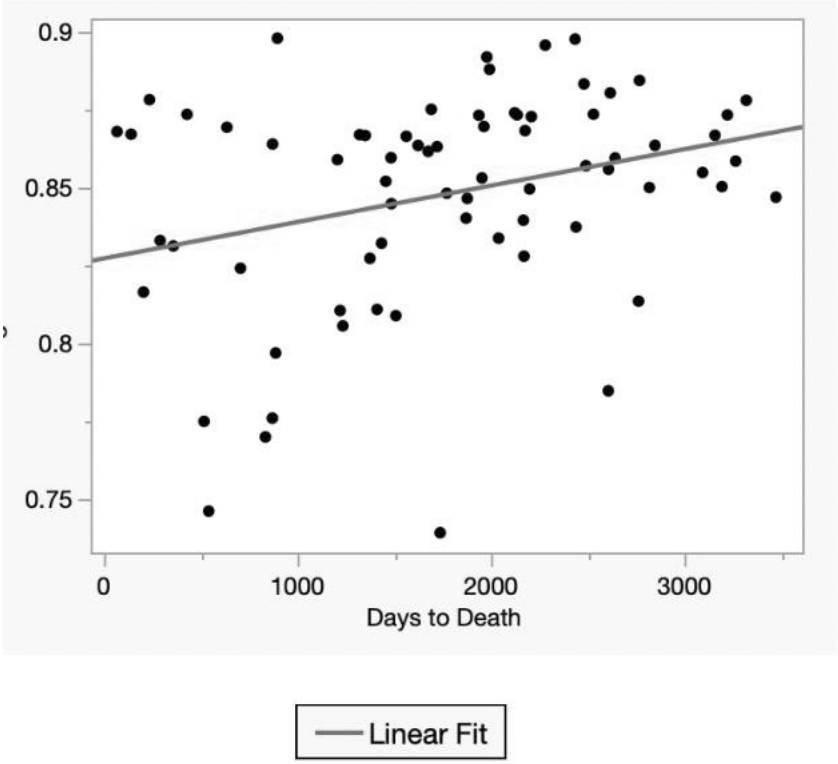


FIG. 6B

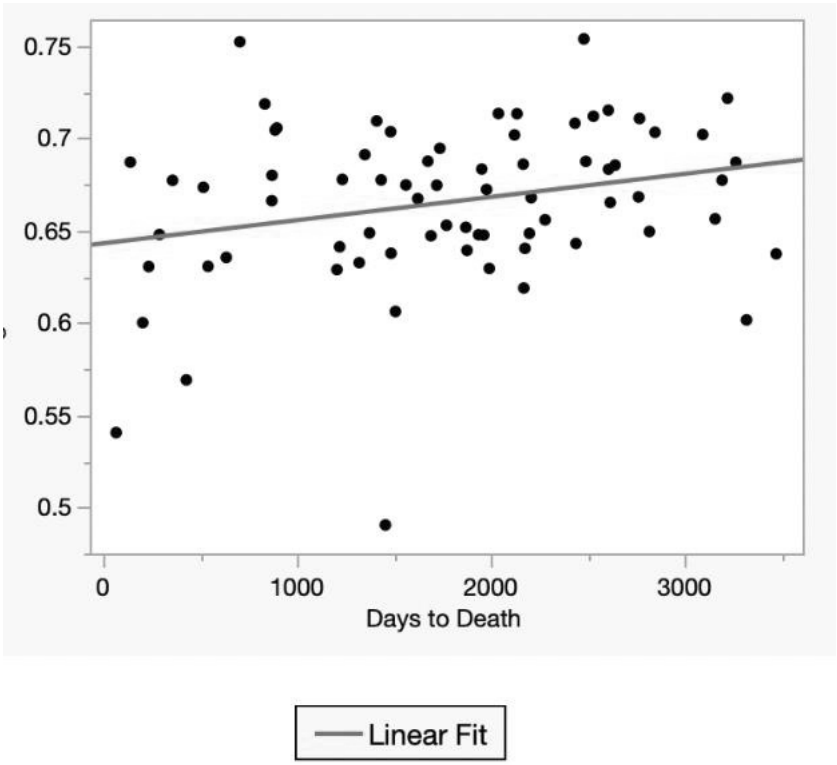


FIG. 6C