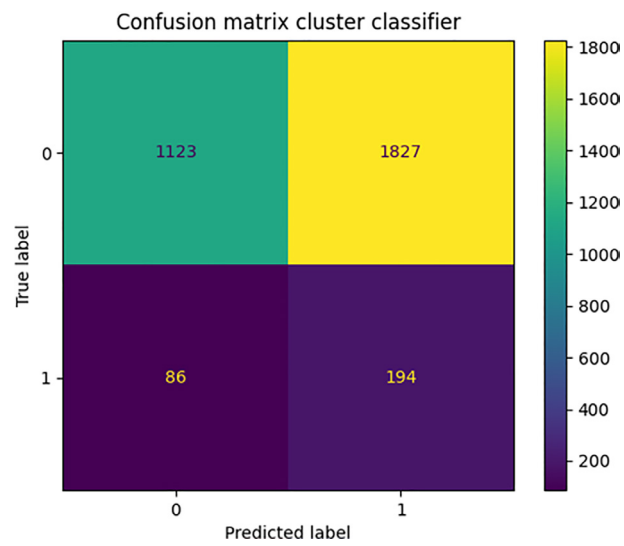
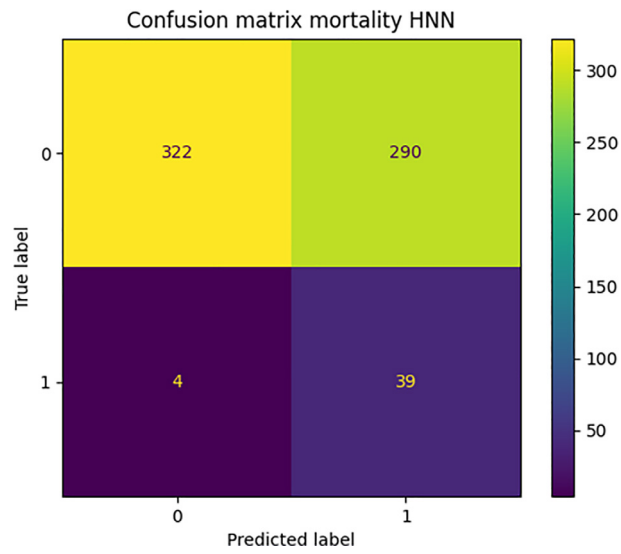


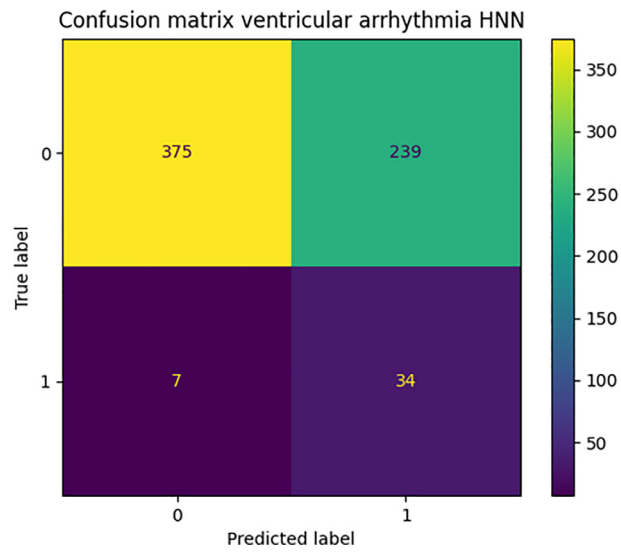
**Figure S1** Confusion matrix for AHA plot classifier using multi-label classification approach. AHA, American Heart Association.



**Figure S2** Confusion matrix for AHA plot classifier using cluster classification approach. AHA, American Heart Association.



**Figure S3** Confusion matrix for mortality prediction model using HNN. HNN, hybrid neural network.



**Figure S4** Confusion matrix for ventricular arrhythmia prediction model using HNN. HNN, hybrid neural network.