

Online Supplemental Material: Additional File 1

Selected confounder models for the ECG parameters in the short-term and the long-term recordings:

5-minute recordings

HF

	Lag	Functional form
Time trend		linear
Air temperature	1	linear
Relative humidity	2	linear
Barometric pressure	-	-
Day of the week	-	-

LF

	Lag	Functional form
Time trend		linear
Air temperature	3	linear
Relative humidity	0	linear
Barometric pressure	0	linear
Day of the week	-	-

lnRMSSD

	Lag	Functional form
Time trend		linear
Air temperature	1	linear
Relative humidity	1	linear
Barometric pressure	-	-
Day of the week	-	-

HR

	Lag	Functional form
Time trend		kubisch
Air temperature	0	linear
Relative humidity	1	linear
Barometric pressure	-	-
Day of the week	-	-

24-hour recordings**lnRMSSD**

	Lag	Functional form
Time trend		linear
Air temperature	1	linear
Relative humidity	2	linear
Barometric pressure	2	linear
Day of the week	-	-

SDNN

	Lag	Functional form
Time trend		linear
Air temperature	0	linear
Relative humidity	1	linear
Barometric pressure	-	-
Day of the week	-	-

HR

	Lag	Functional form
Time trend		linear
Air temperature	conc.	linear
Relative humidity	1	linear
Barometric pressure	-	-
Day of the week	-	-

pNN50

	Lag	Functional form
Time trend		linear
Air temperature	1	linear
Relative humidity	conc.	linear
Barometric pressure	-	-
Day of the week	-	-

DC

	Lag	Functional form
Time trend		linear
Air temperature	2	kubisch
Relative humidity	2	linear
Barometric pressure	0	linear
Day of the week	-	-