Supplement Killian, et al.

Alternative devices for heart rate variability measures: a comparative test-retest reliability study

Appendix

Determination of the Minimal Clinically Important Difference using a Global Rating Scale as a clinical anchor

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Determination of the Minimal Clinically Important Difference using a Global Rating Scale as a clinical anchor

- A. A measure of heart rate variability is obtained before and after treatment.
- B. A GRS assessment is obtained from each patient after treatment to determine the patient's perception of clinical change. A commonly used GRS is a 15-point scale where -7="Much Worse", 0="No Change" and +7="Much Better".
- C. Declare a 3-point change on the GRS ("Somewhat Better" or "Somewhat Worse") to be the minimal clinically important difference.
- D. Use the 3-point change criterion to identify the subset of "minimal changers" within the patient population and determine the change in the HRV measure for each minimal changer.
- E. The Minimal Clinically Important Difference is the average change (absolute value) observed in the minimal changer subpopulation.

Setting the minimal change criterion to three points on the GRS is a matter of clinical judgment. If the change criterion is increased, for example to five ("Quite a Bit Better" and "Quite a Bit Worse"), the Minimal Clinically Important Difference will increase. In addition to the Global Rating Scale, which is an subjective anchor, possible objective anchors include medication use and health care system utilization. Variants of anchor-based methods include within-patient score change, between-patients score change, sensitivity and specificity-based designs and social comparison designs [29].

Figure 1. SDNN

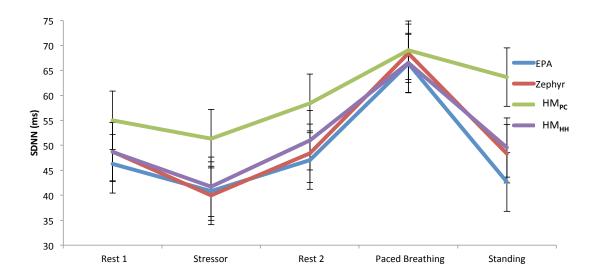


Figure 1. Standard Deviation of RR values (SDNN): (a) When aggregating data across both sessions, there was a main effect of segment, indicating a general decrease in SDNN from initial rest, in response to the stressor, followed by a general increase during the recovery portion of the paradigm and then a slight decrease in SDNN during the standing segment (F=26.02, p<.001); (b) There appeared to be a main effect of device, such that HM_{PC} tended to display greater SDNN values compared to all other devices (F=9.32, p<.001), with post-hoc analyses revealing higher SDNN value at standing for the HM_{PC} device compared to the EPA6 device; and (c) when examining the interaction between device and segment all 4 devices tended to vary in a similar pattern throughout the session (F=0.75, P=.70). Data from a linear mixed model with two fixed factors (device, segment) and a random subject effect to calculate the difference between devices and between sessions.

Figure 2. RMSSD

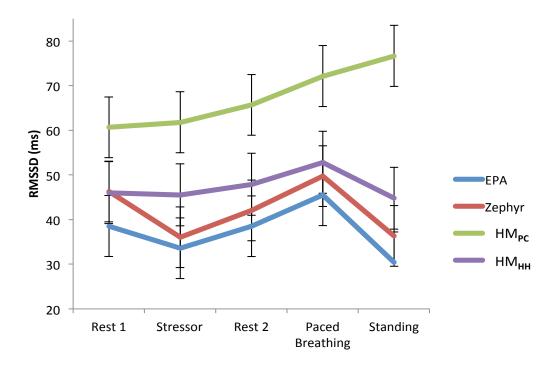


Figure 2. Root mean square of successive differences values (RMSSD): (a) When aggregating data across both sessions, there was a main effect of segment, indicating a general decrease in RMSSD from initial rest, in response to the stressor, followed by a general increase during the recovery portion of the paradigm and then a slight decrease in RMSSD during the standing segment (F=2.97, p=.02); (b) There appeared to be a main effect of device, such that HM_{PC} tended to display greater RMSSD values compared to all other devices (F=41.76, p<.001), with post-hoc analyses revealing higher RMSSD value at each time segment for the HM_{PC} device compared to EPA6; and (c) when examining the interaction between device and segment all 4 devices tended to vary in a similar pattern throughout the session (F=1.00, p=.45). Data from a linear mixed model with two fixed factors (device, segment) and a random subject effect to calculate the difference between devices and between sessions.

Figure 3. STD HR

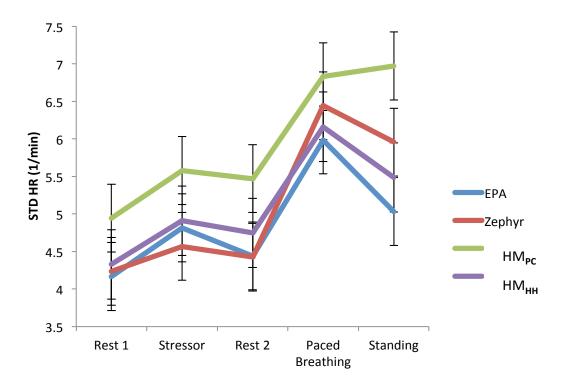


Figure 3. Standard deviation of instantaneous heart values (STD HR): (a) When aggregating data across both sessions, there was a main effect of segment, indicating a general increase in STD HR from initial rest, in response to the stressor, followed by a general decrease during the recovery portion of the paradigm and then a slight decrease in STD HR during the standing segment (F=19.62, p<.001); (b) There appeared to be a main effect of device, such that HM_{PC} tended to display greater STD HR values compared to all other devices (F=8.48, p<.001), with post-hoc analyses revealing higher STD HR value at standing for the HM_{PC} device compared to EPA6; and (c) when examining the interaction between device and segment all 4 devices tended to vary in a similar pattern throughout the session (F=.53, p=.90). Data from a linear mixed model with two fixed factors (device, segment) and a random subject effect to calculate the difference between devices and between sessions.

Figure 4. Mean HR

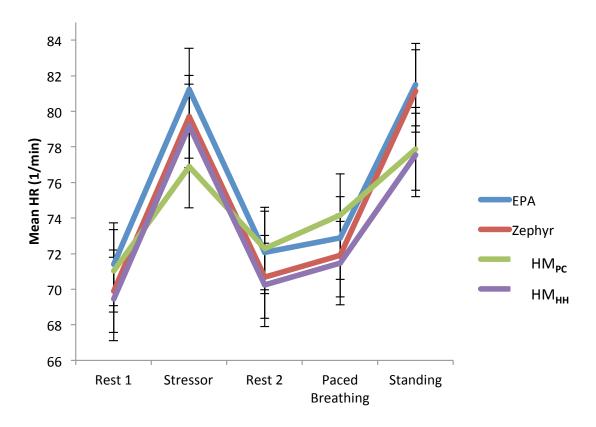


Figure 4. Mean heart rate values (Mean HR): (a) When aggregating data across both sessions, there was a main effect of segment, indicating a general increase in Mean HR from initial rest, in response to the stressor, followed by a general decrease during the recovery portion of the paradigm and then a slight increase in Mean HR during the standing segment (F=62.04, p<.001); (b) There appeared to be a main effect of device, such that HM_{HH} tended to display lower Mean HR values compared to the EPA6 device (F=3.32, p=.02); and (c) when examining the interaction between device and segment all 4 devices tended to vary in a similar pattern throughout the session (F=1.32, p=.20). Data from a linear mixed model with two fixed factors (device, segment) and a random subject effect to calculate the difference between devices and between sessions.



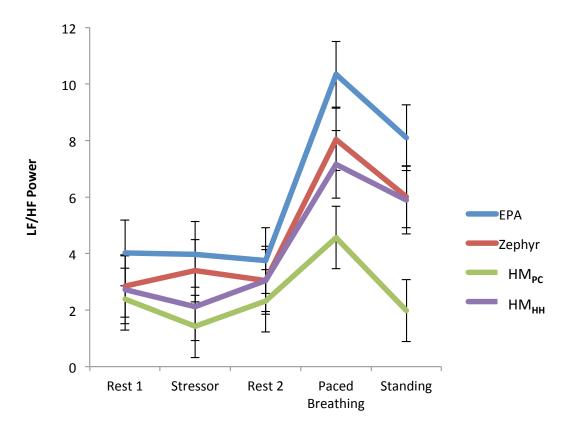


Figure 5. Low frequency to high frequency ratio values (LF/HF): (a) When aggregating data across both sessions, there was a main effect of segment, indicating a general increase in LF/HF from the stressor to the paced breathing portion of the paradigm and then a slight decrease in LF/HF during the standing segment (F=17.64, p<.001); (b) There appeared to be a main effect of device, such that HM_{PC} tended to display lower LF/HF values compared to all other devices (F=10.65, p<.001) with post-hoc analyses revealing that at standing, HM_{PC} displayed lower LF/HF compared to EPA6; and (c) when examining the interaction between device and segment all 4 devices tended to vary in a similar pattern throughout the session (F=1.01, p=.44). Data from a linear mixed model with two fixed factors (device, segment) and a random subject effect to calculate the difference between devices and between sessions.

Table 1. Operational reliability of the four devices

Device Operational Reliability expressed numerically as probability of successful operations (p_s) and probability of operational failures (p_f) based upon observed recordings of 140 time segments. ($p_s + p_f = 1$)

Device	Successful	Probability of	Probability of
	Operations	success	failure
EPA6	140/140	1.0000	0.0000
BioPatch	140/140	1.0000	0.0000
$\mathrm{HM}_{\mathrm{PC}}$	113/140	0.8071	0.1929
$\mathrm{HM}_{\mathrm{HH}}$	125/140	0.8929	0.1071

Table 2. Numerical Values of Heart Rate Variability Measures

Mean numerical values of six measures of heart rate variability in five conditions (Rest 1, Stressor, Rest 2, Paced Breathing, Standing) for each of four devices (EPA6, BioPatch, HM_{PC}, HM_{HH}). The numerical results present the mean values and the standard deviations of those means. The six measures are: mean RR interval (RR_{Mean}), standard deviation of RR intervals (SDNN), mean heart rate (HR_{Mean}), standard deviation of heart rate (STD HR), root mean square of successive differences (RMSSD) and the ratio of low frequency to high frequency spectral power (LF/HF Power), HF power, LF power (mean±standard deviation)

	EPA6	BioPatch	HM _{PC}	НМнн
RR _{Mean} (ms)	859.00 ±	876.91 ±	860.18 ±	896.20 ±
Rest 1	108.19	104.78	87.87	91.65
RR _{Mean} (ms)	754.23 ±	768.49 ±	794.14 ±	787.16 ±
Stressor	91.46	85.92	80.49	87.30
RR _{Mean} (ms)	849.80 ±	866.55 ±	846.10 ±	886.59 ±
Rest 2	97.23	98.11	86.07	87.66
RR _{Mean} (ms)	846.69 ±	858.76 ±	827.68 ±	878.04 ±
Paced Breath	114.02	111.53	85.66	102.99
RR _{Mean} (ms)	750.38 ±	755.11 ±	784.05 ±	800.35 ±
Standing	78.84	82.62	57.59	69.46
	EPA6	BioPatch	HM _{PC}	НМнн
SDNN (ms)	46.30 ±	48.75 ±	55.03 ±	50.20 ±
Rest 1	26.17	26.84	26.49	24.45
SDNN (ms)	40.81 ±	39.97 ±	51.34 ±	43.22 ±
Stressor	22.55	18.76	18.57	14.02
SDNN (ms)	47.06 ±	48.41 ±	58.38 ±	52.54 ±
Rest 2	22.76	22.80	18.73	23.48
SDNN (ms)	66.38 ±	68.41 ±	69.05 ±	68.04 ±
Paced Breath	27.98	27.11	16.19	24.60
SDNN (ms)	42.64 ±	48.33 ±	63.68 ±	51.08 ±
Standing	15.86	20.39	15.26	15.11
	EPA6	BioPatch	HM _{PC}	НМнн
HR _{Mean} (1/min)	71.40 ±	69.89 ±	71.03 ±	68.08 ±
Rest 1	9.27	8.36	7.52	6.64
HR _{Mean} (1/min)	81.22 ±	79.69 ±	76.90 ±	77.82 ±
Stressor	9.69	8.99	7.96	8.90
HR _{Mean} (1/min)	$72.08 \pm$	$70.69 \pm$	72.29 ±	68.89 ±
Rest 2	8.56	8.29	7.68	6.72
HR _{Mean} (1/min)	72.88 ±	71.89 ±	74.16 ±	70.11 ±
Paced Breath	10.45	9.72	8.39	8.53
HR _{Mean} (1/min)	81.51 ±	81.15 ±	77.89 ±	76.18 ±
Standing	8.46	8.85	5.91	6.72

Table 2. Continued Numerical Values of Heart Rate Variability Measures

	EPA6	BioPatch	HM _{PC}	НМнн
STD HR (1/min)	4.166 ±	4.236 ±	4.944 ±	4.354 ±
Rest 1	1.502	1.304	1.581	1.619
STD HR (1/min)	4.815 ±	4.569 ±	5.578 ±	4.936 ±
Stressor	2.095	1.352	1.720	1.321
STD HR (1/min)	4.442 ±	4.426 ±	5.471 ±	4.773 ±
Rest 2	1.268	1.190	1.114	1.831
STD HR (1/min)	5.986 ±	6.442 ±	6.831 ±	6.187 ±
Paced Breath	2.103	2.064	1.822	1.944
STD HR (1/min)	5.033 ±	5.958 ±	6.971 ±	5.512 ±
Standing	1.554	2.285	2.076	1.419
	EPA6	BioPatch	HM _{PC}	НМнн
RMSSD (ms)	38.55 ±	46.27 ±	60.68 ±	47.22 ±
Rest1	26.09	32.72	37.85	23.68
RMSSD (ms)	33.59 ±	36.04 ±	61.78 ±	46.74 ±
Stressor	25.53	24.92	27.74	17.18
RMSSD (ms)	38.53 ±	42.04 ±	65.69 ±	49.08 ±
Rest 2	24.43	24.44	29.19	24.52
RMSSD (ms)	45.46 ±	49.74 ±	72.12 ±	53.99 ±
Paced Breath	26.29	24.54	23.20	23.91
RMSSD (ms)	30.42 ±	36.35 ±	76.63 ±	45.99 ±
Standing	19.82	21.76	24.78	18.68
	EPA6	BioPatch	HM _{PC}	НМнн
LF/HF Power	4.021±	2.851 ±	2.392 ±	2.770 ±
Rest 1	3.626	2.151	2.960	2.456
LF/HF Power	$3.969 \pm$	3.394 ±	1.422 ±	2.175 ±
Stressor	2.953	2.552	0.824	1.890
LF/HF Power	3.754 ±	3.043 ±	2.329 ±	3.106 ±
Rest 2	3.048	1.995	2.178	2.400
LF/HF Power	10.348 ±	8.043 ±	4.568 ±	7.213 ±
Paced Breath	7.581	6.079	5.451	5.949
LF/HF Power	8.101 ±	6.016 ±	1.986 ±	5.946 ±
Standing	8.427	4.724	2.626	6.793

Table 2. Continued Numerical Values of Heart Rate Variability Measures

	EPA6	BioPatch	HM _{PC}	НМнн
HF Power	30.964	34.039	48.393	38.110
Rest 1	± 20.824	± 18.954	±21.396	± 18.993
HF Power	26.447	28.596	48.491	36.091
Stressor	± 14.026	± 14.637	± 15.802	±16.259
HF Power	30.542	31.449	46.899	33.576
Rest 2	± 19.558	± 16.955	±21.156	± 18.952
HF Power	16.424	17.821	44.415	22.295
Paced Breath	± 14.533	± 12.902	±21.593	± 17.870
HF Power	22.203	22.109	50.051	24.081
Standing	± 18.077	± 14.601	± 15.598	±15.026

	EPA6	BioPatch	HM _{PC}	НМнн
LF Power	63.572	60.118	47.138	55.998
Rest 1	±20.261	± 18.498	±20.106	± 18.548
LF Power	67.269	64.718	47.600	58.050
Stressor	±13.179	± 13.730	±15.116	± 15.358
LF Power	62.908	63.069	48.939	59.706
Rest 2	± 19.153	± 16.081	± 20.401	± 17.103
LF Power	81.435	79.269	52.738	74.987
Paced Breath	±15.569	± 14.794	±22.290	±19.324
LF Power	73.811	73.030	46.795	70.204
Standing	± 18.998	± 16.814	±15.411	15.895

Table 3. Minimal Detectable Difference with Confidence Intervals

	EPA6	BioPatch	HM _{PC}	НМнн
RR _{Mean} (ms)	137.21	146.35	137.00	126.23
Rest1	[80.66, 219.13]	[86.74, 229.34]	[75.56, 220.89]	[66.05, 216.11]
RR _{Mean} (ms)	136.79	132.19	105.73	140.14
Stressor	[81.64, 211.11]	79.15, 202.62]	[57.24, 178.43]	[74.71, 229.03]
RR _{Mean} (ms)	158.55	155.00	158.07	138.83
Rest 2	[95.62, 239.43	[93.11, 236.06]	[89.48, 241.20]	[73.87, 227.90]
RR _{Mean} (ms)	108.51	108.28	136.15	120.37
Paced Breath1	[62.75, 180.59]	[62.67, 179.80]	[75.29, 218.24]	[61.10, 214.41]
RR _{Mean} (ms)	159.47	117.60	149.06	122.53
Standing1	[99.82, 225.12]	[69.83, 183.54]	[93.67, 194.44]	[59.89, 203.61]
	EPA6	BioPatch	HM_{PC}	ННнн
SDNN (ms)	29.83	72.08	26.63	28.71
Rest 1	[17.41, 48.49]	[49.48, 90.12]	[14.14, 47.29]	[14.82, 51.09]
SDNN (ms)	56.29	23.79	17.07	17.14
Stressor	[37.47, 72.89]	[13.98, 37.99]	[9.04, 30.69]	[8.87, 30.23]
SDNN (ms)	20.17	21.14	35.51	21.71
Rest 2	[11.63, 33.82]	[12.21, 35.28]	[20.23, 53.53]	[11.05, 40.30]
SDNN (ms)	33.04	32.01	27.67	32.20
Paced Breath	[19.33, 53.41]	[18.72, 51.75]	[15.47, 43.32]	[16.76, 55.87]
SDNN (ms)	16.60	22.63	26.21	19.61
Standing	[9.64, 27.31]	[13.19, 36.94]	[14.67, 40.97]	[9.18, 36.55]
	EPA6	BioPatch	HM _{PC}	HM _{HH}
HR _{Mean} (1/min)	11.05	11.73	10.84	9.87
Rest 1	[6.46, 17.83]	[6.95, 18.36]	[5.92, 17.87]	[5.21, 16.54]
HR _{Mean} (1/min)	16.96	16.42	10.64	17.65
Stressor	[10.33, 25.10]	[10.08, 23.99]	[5.77, 17.88]	[9.79, 26.59]
HR _{Mean} (1/min)	13.97	12.91	13.51	11.84
Rest 2	[8.43, 21.10]	[7.74, 19.73]	[7.59, 20.94]	[6.41, 18.71]
HR _{Mean} (1/min)	10.14	10.15	12.36	10.72
Paced Breath	[5.87, 16.84]	[5.89, 16.70]	[6.77, 20.26]	[5.56, 18.78]
HR _{Mean} (1/min)	17.14	12.24	15.34	12.67
Stdanding	[10.73, 24.18]	[7.25, 19.22]	[9.65, 19.98]	[6.28, 20.41]

Table 3. Continued Minimal Detectable Difference with Confidence Intervals

	EPA6	BioPatch	НМРС	НМнн
STD HR (ms)	2.101	1.515	2.860	2.085
Rest1	[1.245, 3.291]	[0.885, 2.456]	[1.615, 4.389]	[1.084, 3.632]
STD HR (ms)	5.163	2.288	2.201	2.101
Stressor	[3.420, 6.725]	[1.387, 3.421]	[1.189, 3.736]	[1.118, 3.444]
STD HR (ms)	1.710	1.863	3.092	2.989
Rest 2	[1.010, 2.699]	[1.118, 2.844]	[2.015, 3.878]	[1.597, 4.857]
STD HR (ms)	3.172	5.338	3.276	2.795
Paced Breath1	[1.895, 4.886]	[3.603, 6.798]	[1.847, 5.038]	[1.469, 4.728]
STD HR (ms)	2.269	4.862	3.789	2.291
Standing1	[1.351, 3.521]	[3.080, 6.735]	[2.142, 5.795]	[1.103, 3.954]
	EPA6	BioPatch	HM _{PC}	ННнн
RMSSD (ms)	31.15	84.95	30.96	45.44
Rest 1	[18.23, 50.26]	[57.44, 107.98]	[16.32, 56.44]	[25.01, 69.41]
RMSSD (ms)	53.15	44.51	35.92	28.80
Stressor	[33.49, 74.24]	[27.21, 65.49]	[19.42, 60.82]	[15.46, 46.36]
RMSSD (ms)	33.27	37.40	47.51	39.55
Rest 2	[19.68, 52.42]	[22.38, 57.41]	[26.36, 75.59]	[21.10, 64.53]
RMSSD (ms)	36.11	27.22	34.09	25.95
Paced Breath	[21.37, 56.79]	[15.86, 44.43]	[18.67, 55.91]	[13.32, 46.91]
RMSSD (ms)	33.98	29.40	42.19	27.76
Standing	[20.64, 50.61]	[17.37, 46.38]	[23.57, 66.14]	[13.20, 49.95]
	EPA6	BioPatch	HM _{PC}	HM _{HH}
LF/HF Power	3.396	2.384	2.841	3.635
Rest 1	[1.962, 5.661]	[1.389, 3.891]	[1.507, 5.079]	[1.917, 6.096]
LF/HF Power	5.044	3.592	2.217	2.442
Stressor	[3.062, 7.519]	[2.131, 5.619]	[1.421, 2.831]	[1.270, 4.251]
LF/HF Power	3.754	4.016	4.430	2.902
Rest 2	[2.202, 6.026]	[2.511, 5.678]	[2.564, 6.491]	[1.501, 5.131]
LF/HF Power	14.54	13.955	7.524	13.785
Paced Breath	[9.002, 20.909]	[9.028, 18.751]	[4.092, 12.545]	[8.001, 19.283]
LF/HF Power	7.571	9.210	7.467	19.062
Standing	[4.368, 12.676]	[5.721, 13.171]	[4.938, 9.236]	[11.102,
				24.406]

Table 3. Continued Minimal Detectable Difference with Confidence Intervals

	EPA6	BioPatch	HM _{PC}	НМнн
HF Power	28.24	24.10	21.16	32.74
Rest 1	[5.86, 39.50]	[3.97, 33.85]	[0.00, 31.11]	[0.00, 46.92]
HF Power	23.60	20.79	35.43	20.26
Stressor	[7.94, 32.42]	[4.90, 28.99]	[14.43, 47.98]	[0.00, 29.87]
HF Power	20.71	20.80	34.83	26.63
Rest 2	[0.00, 29.35]	[2.90, 29.27]	[0.00, 49.52]	[0.00, 38.94]
HF Power	20.74	22.14	33.93	42.49
Paced Breath	[4.95, 28.91]	[7.70, 30.35]	[0.00, 48.47]	[17.73, 57.42]
HF Power	35.58	19.60	43.78	26.51
Standing	[15.39, 47.91]	[3.94, 27.44]	[27.55, 55.45]	[0.00, 39.15]

	EPA6	BioPatch	HM _{PC}	НМнн
LF Power	26.73	20.26	21.14	32.63
Rest 1	[5.05, 37.46]	[0.00, 28.68]	[0.00, 31.00]	[0.00, 46.65]
LF Power	24.75	23.49	32.86	23.94
Stressor	[9.97, 33.55]	[8.14, 32.21]	[12.37, 44.80]	[0.00, 34.69]
LF Power	20.60	22.18	32.42	24.44
Rest 2	[0.00, 29.17]	[4.82, 30.99]	[0.00, 46.25]	[0.00, 35.69]
LF Power	37.56	30.10	33.38	46.87
Paced Breath	[9.61, 52.25]	[13.65, 40.32]	[0.00, 47.89]	[20.61, 62.99]
LF Power	35.86	24.50	43.49	30.52
Standing	[14.56, 48.57]	[6.15, 34.10]	[27.60, 54.96]	[0.00, 44.50]

Table 4. Intraclass correlation coefficients

Intraclass correlation coefficients (ICC (2,1), Shrout and Fleiss, 1979) for six measures of heart rate variability (Mean RR, SDNN, Mean HR, STD HR, RMSSD, LF/HF Power), in five conditions (Rest 1, Stressor, Rest 2, Paced Breathing, Standing), for each of four devices (EPA6, BioPatch, HM_{PC}, HM_{HH}). Numerical results report the intraclass correlation coefficient, and the corresponding 95% confidence intervals.

	EPA6	Biopatch	HM _{PC}	НМнн
RR _{Mean} (ms)	0.7907	0.7461	0.6836	0.7531
Rest 1	[0.4661, 0.9277]	[0.3764, 0.9108]	[0.1776, 0.9038]	[0.2763, 0.9324]
RR _{Mean} (ms)	0.7088	0.6919	0.7755	0.6646
Stressor	[0.3065, 0.8963]	[0.2761, 0.8895]	[0.3605, 0.9342]	[0.1042, 0.9047]
RR _{Mean} (ms)	0.6540	0.6751	0.5610	0.6735
Rest 2	[0.2108, 0.8741]	[0.2468, 0.8828]	[-0.0222, 0.8593]	[0.1202, 0.9076]
RR _{Mean} (ms) Paced Breath	0.8821	0.8773	0.6712	0.8222
	[0.6735, 0.9606]	[0.6617, 0.9589]	[0.1552, 0.8995]	[0.4359, 0.9527]
RR _{Mean} (ms)	0.4675	0.7363	0.1281	0.5950
Standing	[-0.0611, 0.7914]	[0.3576, 0.9070]	[-0.4836, 0.6557]	[-0.1183, 0.9032]
	EPA6	Biopatch	НМРС	НМнн
SDNN (ms)	0.8309	0.0614	0.8684	0.8205
Rest 1	[0.5532, 0.9424]	[-0.4673, 0.5578]	[0.5851, 0.9628]	[0.4317, 0.9522]
SDNN (ms)	0.1890	0.7907	0.8901	0.8055
Stressor	[-0.3599, 0.6408]	[0.4662, 0.9277]	[0.6445, 0.9692]	[0.3950, 0.9479]
SDNN (ms)	0.8977 [0.7125,	0.8882 [0.6884,	0.5322	0.8887 [0.6165,
Rest 2	0.9660]	0.9627]	[-0.0631, 0.8482]	0.9711]
SDNN (ms)	0.8185	0.8185	0.6196	0.7772
Paced Breath	[0.5256, 0.9379]	[0.5257, 0.9379]	[0.0678, 0.8811]	[0.3290, 0.9396]
SDNN (ms)	0.8574	0.8397	0.6159	0.7810
	[0.6140, 0.9519]	[0.5731, 0.9456]	[0.0619, 0.8798]	[0.2389, 0.9519]

Table 4. Continued: Intraclass correlation coefficients

	EPA6	Biopatch	HMPC	НМНН
HR _{Mean}	0.8152	0.7439	0.7296	0.7127
(1/min)	[0.5185, 0.9367]	[0.3722, 0.9099]	[0.2650, 0.9193]	[0.1937, 0.9200]
Rest 1				
HR _{Mean}	0.6019	0.5656	0.7677	0.4883
	[0.1272, 0.8522]	[0.0728, 0.8364]	[0.3437, 0.9317]	[-0.1612, 0.8426]
(1/min)				, ,
Stressor	0.6536	0.6843	0.5966	0.5957
HR _{Mean}	[0.2103, 0.8740]	[0.2628, 0.8865]	[0.0314, 0.8727]	[-0.0100, 0.8816]
(1/min)	[0.2103, 0.6740]	[0.2028, 0.8803]	[0.0314, 0.6727]	[-0.0100, 0.8810]
Rest 2				
HR _{Mean}	0.8774	0.8581	0.7173	0.7944
(1/min)	[0.6619, 0.9589]	[0.6157, 0.9521]	[0.2408, 0.9152]	[0.3687, 0.9447]
Paced Breath				
HR _{Mean}	0.4657	0.7511	0.1233	0.5371
(1/min)	[-0.0635, 0.7905]	[0.3862, 0.9127]	[-0.4873, 0.6529]	[-0.2013, 0.8863]
Standing				
	EPA6	Biopatch	HM_{PC}	НМнн
		•		
STD HR	0.7455	0.8244	0.5739	0.7843
Rest 1	[0.3753, 0.9106]	[0.5387, 0.9401]	[-0.0031, 0.8642]	[0.3452, 0.9417]
STD HR	0.2093	0.6272	0.7869	0.6709
Stressor	[-0.3414, 0.6530]	[0.1671, 0.8630]	[0.3857, 0.9378]	[0.1154, 0.9067]
STD HR	0.7636	0.6807	-0.0030	0.6534
Rest 2	[0.4109, 0.9175]	[0.2564, 0.8850]	[-0.5780, 0.5739]	[0.0845, 0.9010]
STD HR	0.7037	0.1295	0.5794	0.7309
Paced Breath	[0.2973, 0.8943]	[-0.4119, 0.6033]	[0.0052, 0.8663]	[0.2301, 0.9256]
STD HR	0.7225	0.4106	0.5665	0.6608
	[0.3317, 0.9017]	[-0.1310, 0.7635]	[-0.0141, 0.8614]	[-0.0099, 0.9214]
Standing	[5.5517, 0.7017]	[,	[[0.01.1, 0.0011]	[0.0000, 0.0211]

Table 4. Continued: Intraclass correlation coefficients

	EPA6	Biopatch	HM _{PC}	НМнн
RMSSD (ms)	0.8145	0.1224	0.9129	0.5205
Rest1	[0.5170, 0.9365]	[-0.4178, 0.5987]	[0.7106, 0.9758]	[-0.1188, 0.8547]
RMSSD (ms)	0.4361	0.5848	0.7818	0.6340
Stressor	[-0.1004, 0.7761]	[0.1013, 0.8449]	[0.3743, 0.9362]	[0.0517, 0.8946]
RMSSD (ms)	0.7587	0.6953	0.6553	0.6613
Rest 2	[0.4011, 0.9156]	[0.2822, 0.8909]	[0.1274, 0.8939]	[0.0984, 0.9036]
RMSSD (ms)	0.7544	0.8398	0.7188	0.8467
Paced Breath	[0.3926, 0.9140]	[0.5734, 0.9456]	[0.2438, 0.9157]	[0.4989, 0.9596]
RMSSD (ms)	0.6173	0.7624	0.6227	0.7124
Standing	[0.1513, 0.8588]	[0.4085, 0.9170]	[0.0728, 0.8822]	[0.0875, 0.9349]

	EPA6	Biopatch	HM _{PC}	НМнн
LF/HF Power	0.8858	0.8401	0.8802	0.7148
Rest 1	[0.6827, 0.9619]	[0.5739, 0.9457]	[0.6169, 0.9663]	[0.1979, 0.9207]
LF/HF Power	0.6204	0.7421	0.0573	0.7827
Stressor	[0.1562, 0.8601]	[0.3688, 0.9093]	[-0.5364, 0.6131]	[0.3416, 0.9412]
LF/HF Power	0.8026	0.4725	0.4618	0.8097
Rest 2	[0.4913, 0.9321]	[-0.0547, 0.7937]	[-0.1556, 0.8197]	[0.4052, 0.9491]
LF/HF Power	0.5212	0.3141	0.7521	0.3011
Paced Breath	[0.0098, 0.8165]	[-0.2384, 0.7130]	[0.3107, 0.9267]	[-0.3676, 0.7646]
LF/HF Power	0.8950	0.5053	-0.0525	-0.0248
Standing	[0.7055, 0.9650]	[-0.0117, 0.8091]	[-0.6100, 0.5398]	[-0.6799, 0.6524]

Table 4. Continued: Intraclass correlation coefficients

	EPA6	Biopatch	НМРС	НМнн
HF Power	0.7607	0.7896	0.8727	0.6132
Rest 1	[0.5317, 0.9897]	[0.5849, 0.9943]	[0.7248, 1.020]	[0.2056, 1.021]
HF Power	0.6315	0.7375	0.3458	0.7979
Stressor	[0.3047, 0.9583]	[0.4896, 0.9854]	[-0.200, 0.8915]	[0.5606, 1.035]
HF Power	0.8540	0.8042	0.6472	0.7430
Rest 2	[0.7068, 1.001]	[0.6122, 0.9962]	[0.2870, 1.007]	[0.4504, 1.036]
HF Power	0.7349	0.6167	0.6787	0.2642
Paced Breath	[0.4849, 0.9849]	[0.2798, 0.9536]	[0.3443, 1.013]	[-0.3436, 0.8719]
HF Power	0.4957	0.7654	-0.0253	0.5949
Standing	[0.0857, 0.9057]	[0.5403, 0.9905]	[-0.6449, 0.5939]	[0.1163, 1.074]

	EPA6	Biopatch	НМРС	НМнн	
LF Power	0.7735	0.8438	0.8561	0.5972	
Rest 1	[0.5551, 0.9919]	[0.6872, 1.000]	[0.6906, 1.022]	[0.1768, 1.018]	
LF Power	0.5409	0.6189	0.3850	0.6838	
Stressor	[0.1563, 0.9255]	[0.2835, 0.9543]	[-0.1430, 0.9129]	[0.3359, 1.032]	
LF Power	0.8495	0.7525	0.6714	0.7343	
Rest 2	[0.6981, 1.001]	[0.5167, 0.9883]	[0.3310, 1.012]	[0.4332, 1.035]	
LF Power	0.7191	0.4613	0.7081	0.2344	
Paced Breath	[0.4565, 0.9816]	[0.0333, 0.8892]	[0.3991, 1.017]	[-0.3830, 0.8519]	
LF Power	0.5364	0.7236	-0.0366	0.5202	
Standing	[0.1493, 0.9236]	[0.4646, 0.9826]	[-0.6556, 0.5824]	[-0.0202, 1.061]	

Table 5. Standard Error of Measurement

	EPA6	BioPatch	НМРС	НМнн
RR _{Mean} (ms)	49.50	52.80	49.42	45.54
Rest1	[29.10, 79.05]	[31.29, 82.74]	[27.26, 79.69]	[23.83, 77.97]
RR _{Mean} (ms)	49.35	47.69	38.14	50.56
Stressor	[29.45, 76.16]	[28.56, 73.10]	[20.65, 64.37]	[26.95, 82.63]
RR _{Mean} (ms)	57.20	55.92	57.03	50.08
Rest 2	[34.50, 86.38]	[33.59, 85.15]	[32.28, 87.02]	[26.65, 82.22]
RR _{Mean} (ms)	39.15	39.06	49.12	43.43
Paced Breath1	[22.64, 65.15]	[22.61, 64.87]	[27.16, 78.73]	[22.41, 77.35]
RR _{Mean} (ms)	57.53	42.43	53.78	44.21
Standing1	[36.01, 81.22]	[25.19, 66.22]	[33.79, 70.15]	[21.61, 73.46]
	EPA6	BioPatch	HM _{PC}	ННнн
SDNN (ms)	10.76	26.00	9.61	10.36
Rest 1	[6.29, 17.49]	[17.85, 32.51]	[5.11, 17.06]	[5.35, 18.43]
SDNN (ms)	20.31	8.58	6.16	6.18
Stressor	[13.52, 26.30]	[5.04, 13.71]	[3.26, 11.07]	[3.20, 10.91]
SDNN (ms)	7.28	7.63	12.81	7.83
Rest 2	[4.20, 12.20]	[4.41, 12.73]	[7.30, 19.31]	[3.99, 14.54]
SDNN (ms)	11.92	11.55	9.98	11.62
Paced Breath	[6.97, 19.27]	[6.75, 18.67]	[5.58, 15.63]	[6.05, 20.15]
SDNN (ms)	5.99	8.16	9.46	7.07
Standing	[3.48, 9.85]	[4.76, 13.33]	[5.29, 14.78]	[3.31, 13.19]
	EPA6	BioPatch	HM_{PC}	HM _{HH}
HR _{Mean} (1/min)	3.99	4.23	3.91	3.56
Rest 1	[2.33, 6.43]	[2.51, 6.62]	[2.14, 6.45]	[1.88, 5.97]
HR _{Mean} (1/min)	6.12	5.92	3.84	6.37
Stressor	[3.73, 9.06]	[3.64, 8.66]	[2.08, 6.45]	[3.53, 9.59]
HR _{Mean} (1/min)	5.04	4.66	4.88	4.27
Rest 2	[3.04, 7.61]	[2.79, 7.12]	[2.74, 7.55]	[2.31, 6.75]
HR _{Mean} (1/min)	3.66	3.66	4.46	3.87
Paced Breath	[2.12, 6.08]	[2.13, 6.03]	[2.44, 7.31]	[2.01, 6.78]
HR _{Mean} (1/min)	6.18	4.42	5.53	4.57
Stdanding	[3.87, 8.72]	[2.61, 6.93]	[3.48, 7.21]	[2.27, 7.36]

Table 5. Continued. Standard Error of Measurement

	EPA6	BioPatch	HM _{PC}	НМнн	
STD HR (ms)	0.758	0.547	1.032	0.752	
Rest1	[0.449, 1.187]	[0.319, 0.886]	[0.583, 1.583]	[0.391, 1.310]	
STD HR (ms)	1.863	0.826	0.794	0.758	
Stressor	[1.234, 2.426]	[5.501, 1.234]	[0.429, 1.348]	[0.404, 1.243]	
STD HR (ms)	0.617	0.672	1.115	1.078	
Rest 2	[0.364, 0.974]	[0.403, 1.026]	[0.727, 1.399]	[0.576, 1.752]	
STD HR (ms)	1.145	1.926	1.182	1.009	
Paced Breath1	[0.684, 1.763]	[1.300, 2.452]	[0.666, 1.818]	[0.530, 1.706]	
STD HR (ms)	0.818	1.754	1.367	0.827	
Standing1	[0.487, 1.270]	[1.111, 2.430]	[0.773, 2.091]	[0.398, 1.426]	
	EPA6	BioPatch	HM _{PC}	ННнн	
RMSSD (ms)	11.24	30.65	11.17	16.39	
Rest 1	[6.58, 18.13] [20.72, 38.96]	[20.72, 38.96]	[5.89, 20.36]	[9.02, 25.04]	
RMSSD (ms)	19.17	16.06	12.96	10.39	
Stressor	[12.08, 26.78]	[9.82, 23.63]	[7.01, 21.94]	[5.58, 16.73]	
RMSSD (ms)	12.00	13.49	17.14	14.27	
Rest 2	[7.09, 18.91]	[8.07, 20.71]	[9.51, 27.27]	[7.61, 23.28]	
RMSSD (ms)	13.03	9.82	12.30	9.36	
Paced Breath	[7.71, 20.49]	[5.72, 16.03]	[6.74, 20.17]	[4.81, 16.92]	
RMSSD (ms)	12.26	10.61	15.22	10.02	
Standing	[7.45, 18.26]	[6.27, 16.73]	[8.50, 23.86]	[4.76, 17.84]	
	EPA6	BioPatch	HM_{PC}	HM _{HH}	
LF/HF Power	1.225	0.860	1.025	1.312	
Rest 1	[0.708, 2.042]	[0.501, 1.404]	[0.544, 1.832]	[0.692, 2.199]	
LF/HF Power	1.820	1.296	0.800	0.881	
Stressor	[1.105, 2.713]	[0.769, 2.027]	[0.513, 1.021]	[0.458, 1.534]	
LF/HF Power	1.354	1.449	1.598	1.047	
Rest 2	[0.794, 2.174]	[0.906, 2.049]	[0.925, 2.342]	[0.541, 1.851]	
LF/HF Power	5.246	5.035	2.714	4.973	
Paced Breath	[3.248, 7.543]	[3.257, 6.765]	[1.476, 4.526]	[2.886, 6.957]	
LF/HF Power	2.731	3.323	2.694	6.877	
Standing	[1.576, 4.573]	[2.064, 4.752]	[1.781, 3.332]	[4.005, 8.805]	

Table 5. Continued. Standard Error of Measurement

	EPA6	BioPatch	НМРС	НМНН
HF Power	10.19	8.69	7.63	11.81
Rest 1	[2.11, 14.25]	[1.43, 12.21]	[0.00, 11.22]	[0.00, 16.93]
HF Power	8.51	7.50	12.78	7.31
Stressor	[2.86, 11.70]	[1.77, 10.46]	[5.21, 17.31]	[0.00, 10.78]
HF Power	7.47	7.50	12.57	9.61
Rest 2	[0.00, 10.59]	[1.05, 10.56]	[0.00, 17.86]	[0.00, 14.05]
HF Power	7.48	7.99	12.24	15.33
Paced Breath	[1.79, 10.43]	[2.78, 10.95]	[0.00, 17.48]	[6.40, 20.71]
HF Power	12.84	7.07	15.79	9,56
Standing	[5.55, 17.29]	[1.42, 9.90]	[9.94, 20.01]	[0.00, 14.13]

	EPA6	BioPatch	НМРС	НМНН	
LF Power	9.643	7.311	7.627	11.772	
Rest 1	[1.023, 13.514]	[0.000, 10.346]	[0.000, 11.184]	[0.000, 16.829]	
LF Power	8.930	8.476	11.854	8.636	
Stressor	[3.597, 12.105]	[2.935, 11.622]	[4.461, 16.161]	[0.000, 12.516]	
LF Power	7.430	8.000	11.695	8.816	
Rest 2	[0.000, 10.524]	[1.739, 11.179]	[0.000, 16.686]	[0.000, 12.876]	
LF Power	13.552	10.858	12.043	16.908	
Paced Breath	[3.468, 18.850]	[4.924, 14.546]	[0.000, 17.279]	[7.437, 22.725]	
LF Power	12.935	8.840	15.690	11.010	
Standing	[5.251, 17.523]	[2.218, 12.303]	[9.959, 19.829]	[0.000, 16.055]	

Table 6. Bland-Altman Limits of Agreement

Limits of Agreement and 95% Confidence Intervals of five measures of heart rate variability (Mean RR, SDNN, Mean HR, STD HR, RMSSD, LF/HF Power), in five conditions (Rest 1, Stressor, Rest 2, Paced Breathing, Standing), comparing three devices (BioPatch, HM_{PC}, HM_{HH}) against the EPA6. Numerical results are: (1.) mean value of the inter-device difference and the standard deviation of that mean, (2.) the lower limit of agreement and the confidence interval of that limit of agreement, (3.) the upper limit of agreement and the confidence interval of that limit of agreement.

Device Device Segment Measure (SD) (95%CI) (95%CI)		- · ·	~		Mean Difference	Lower Limit of Agreement	Upper Limit of Agreement
EPA6 BioPatch Stressor Mean RR -14.704 (6.82) -28.071 (-34.892, -21.251) -1.336 (-8.156, 5.485) EPA6 BioPatch Rest 2 Mean RR -16.056 (14.131) -43.753 (-57.885, -29.621) 11.641 (-2.491, 25.772) EPA6 BioPatch Paced Breathing Mean RR -10.495 (25.385) -60.25 (-85.637, -34.863) 39.26 (13.873, 64.647) EPA6 BioPatch Rest 1 SDNN -3.446 (4.405) -12.079 (-16.484, -7.674) 5.188 (0.783, 9.593) EPA6 BioPatch Stressor SDNN 9.118 (51.193) -91.22 (-142.415, -40.024) 109.457 (58.261, 160.652) EPA6 BioPatch Stressor SDNN 9.118 (61.3741) -8.799 (-12.54, -5.057) 5.867 (2.126, 9.609) EPA6 BioPatch Paced Breathing SDNN -4.571 (16.113) -36.153 (-52.267, -20.039) 27.011 (10.897, 43.125) EPA6 BioPatch Paced Breathing SDNN -7.985 (13.05) -33.563 (-46.614, -20.512) 17.594 (4.543, 30.645) EPA6 BioPatch Rest 1 Mean HR 1.734 (1.869) -1.929 (-3.798, 0.6					\ /		
EPA6 BioPatch Rest 2 Mean RR -16.056 (14.131) -43.753 (-57.885, -29.621) 11.641 (-2.491, 25.772) EPA6 BioPatch Paced Breathing Mean RR -10.495 (25.385) -60.25 (-85.637, -34.863) 39.26 (13.873, 64.647) EPA6 BioPatch Standing Mean RR -9.946 (21.481) -52.048 (-73.531, -30.566) 32.157 (10.675, 53.639) EPA6 BioPatch Rest 1 SDNN -3.446 (4.405) -12.079 (-16.484, -7.674) 5.188 (0.783, 9.593) EPA6 BioPatch Stressor SDNN 9.118 (51.193) -91.22 (-142.415, -40.024) 109.457 (58.261, 160.652) EPA6 BioPatch Rest 2 SDNN -1.466 (3.741) -8.799 (-12.54, -5.057) 5.867 (2.126, 9.609) EPA6 BioPatch Paced Breathing SDNN -4.571 (16.113) -36.153 (-52.267, -20.039) 27.011 (10.897, 43.125) EPA6 BioPatch Rest 1 Mean HR 1.734 (1.869) -1.929 (-3.798, -0.06) 5.398 (3.528, 7.267) EPA6 BioPatch Rest 1 Mean HR 1.391 (1.189) -0.94 (-2.129, 0.249)					` /		
EPA6 BioPatch Paced Breathing Mean RR -10.495 (25.385) -60.25 (-85.637, -34.863) 39.26 (13.873, 64.647) EPA6 BioPatch Standing Mean RR -9.946 (21.481) -52.048 (-73.531, -30.566) 32.157 (10.675, 53.639) EPA6 BioPatch Rest 1 SDNN -3.446 (4.405) -12.079 (-16.484, -7.674) 5.188 (0.783, 95.93) EPA6 BioPatch Stressor SDNN -9.118 (51.193) -91.22 (-142.415, -40.024) 109.457 (58.261, 160.652) EPA6 BioPatch Rest 2 SDNN -1.466 (3.741) -8.799 (-12.54, -5.057) 5.867 (2.126, 9.609) EPA6 BioPatch Paced Breathing SDNN -4.571 (16.113) -36.153 (-52.267, -20.039) 27.011 (10.897, 43.125) EPA6 BioPatch Rest 1 Mean HR 1.734 (1.869) -1.929 (-3.798, -0.06) 5.398 (3.528, 7.267) EPA6 BioPatch Rest 1 Mean HR 1.486 (0.698) 0.119 (-0.579, 0.817) 2.854 (2.156, 3.551) EPA6 BioPatch Rest 2 Mean HR 1.793 (2.723) 4.545 (-7.268, -1.821) 6.1		BioPatch		Mean RR	-14.704 (6.82)	-28.071 (-34.892, -21.251)	
EPA6 BioPatch Standing Mean RR -9.946 (21.481) -52.048 (-73.531, -30.566) 32.157 (10.675, 53.639) EPA6 BioPatch Rest 1 SDNN -3.446 (4.405) -12.079 (-16.484, -7.674) 5.188 (0.783, 9.593) EPA6 BioPatch Stressor SDNN 9.118 (51.193) -91.22 (-142.415, -40.024) 109.457 (8x.261, 160.652) EPA6 BioPatch Rest 2 SDNN -1.466 (3.741) -8.799 (-12.54, -5.057) 5.867 (2.126, 9.609) EPA6 BioPatch Paced Breathing SDNN -4.571 (16.113) -36.153 (-52.267, -20.039) 27.011 (10.897, 43.125) EPA6 BioPatch Standing SDNN -7.985 (13.05) -33.563 (-46.614, -20.512) 17.594 (4.543, 30.645) EPA6 BioPatch Rest 1 Mean HR 1.784 (1.869) -1.929 (-3.798, -0.06) 5.398 (3.528, 7.267) EPA6 BioPatch Rest 2 Mean HR 1.486 (0.698) 0.119 (-0.579, 0.817) 2.854 (2.156, 3.551) EPA6 BioPatch Rest 2 Mean HR 1.391 (1.189) -0.94 (-2.129, 0.249) 3.721 (2.532, 49	EPA6	BioPatch		Mean RR	\ /	, , ,	
EPA6 BioPatch Rest 1 SDNN -3.446 (4.405) -12.079 (-16.484, -7.674) 5.188 (0.783, 9.593) EPA6 BioPatch Stressor SDNN 9.118 (51.193) -91.22 (-142.415, -40.024) 109.457 (58.261, 160.652) EPA6 BioPatch Rest 2 SDNN -1.466 (3.741) -8.799 (-12.54, -5.057) 5.867 (2.126, 9.609) EPA6 BioPatch Paced Breathing SDNN -4.571 (16.113) -36.153 (-52.267, -20.039) 27.011 (10.897, 43.125) EPA6 BioPatch Standing SDNN -7.985 (13.05) -33.563 (-46.614, -20.512) 17.594 (4.543, 30.645) EPA6 BioPatch Rest 1 Mean HR 1.734 (1.869) -1.929 (-3.798, -0.06) 5.398 (3.528, 7.267) EPA6 BioPatch Rest 1 Mean HR 1.486 (0.698) 0.119 (-0.579, 0.817) 2.854 (2.156, 3.551) EPA6 BioPatch Rest 2 Mean HR 1.391 (1.189) -0.94 (-2.129, 0.249) 3.721 (2.532, 491) EPA6 BioPatch Rest 1 STD HR 0.793 (0.273) -4.545 (-7.268, -1.821) 6.131 (3.407, 8.854)		BioPatch	Paced Breathing	Mean RR	-10.495 (25.385)	-60.25 (-85.637, -34.863)	
EPA6 BioPatch Stressor SDNN 9.118 (51.193) -91.22 (-142.415, -40.024) 109.457 (58.261, 160.652) EPA6 BioPatch Rest 2 SDNN -1.466 (3.741) -8.799 (-12.54, -5.057) 5.867 (2.126, 9.609) EPA6 BioPatch Paced Breathing SDNN -4.571 (16.113) -36.153 (-52.267, -20.039) 27.011 (10.897, 43.125) EPA6 BioPatch Standing SDNN -7.985 (13.05) -33.563 (-46.614, -20.512) 17.594 (4.543, 30.645) EPA6 BioPatch Rest 1 Mean HR 1.734 (1.869) -1.929 (-3.798, -0.06) 5.398 (3.528, 7.267) EPA6 BioPatch Stressor Mean HR 1.486 (0.698) 0.119 (-0.579, 0.817) 2.854 (2.156, 3.551) EPA6 BioPatch Rest 2 Mean HR 1.391 (1.189) -0.94 (-2.129, 0.249) 3.721 (2.532, 4.91) EPA6 BioPatch Paced Breathing Mean HR 1.079 (2.384) -3.594 (-5.978, -1.209) 5.752 (3.368, 8137) EPA6 BioPatch Rest 1 STD HR -0.193 (0.503) -1.178 (-1.681, -0.676) 0.793 (0.29, 1.29		BioPatch	Standing	Mean RR	-9.946 (21.481)		32.157 (10.675, 53.639)
EPA6 BioPatch Rest 2 SDNN -1.466 (3.741) -8.799 (-12.54, -5.057) 5.867 (2.126, 9.609) EPA6 BioPatch Paced Breathing SDNN -4.571 (16.113) -36.153 (-52.267, -20.039) 27.011 (10.897, 43.125) EPA6 BioPatch Standing SDNN -7.985 (13.05) -33.563 (-46.614, -20.512) 17.594 (4.543, 30.645) EPA6 BioPatch Rest 1 Mean HR 1.734 (1.869) -1.929 (-3.798, -0.06) 5.398 (3.528, 7.267) EPA6 BioPatch Stressor Mean HR 1.486 (0.698) 0.119 (-0.579, 0.817) 2.854 (2.156, 3.551) EPA6 BioPatch Rest 2 Mean HR 1.391 (1.189) -0.94 (-2.129, 0.249) 3.721 (2.532, 4.91) EPA6 BioPatch Paced Breathing Mean HR 0.793 (2.723) -4.545 (-7.268, -1.821) 6.131 (3.407, 8.854) EPA6 BioPatch Rest 1 STD HR 0.193 (0.503) -1.178 (-1.681, -0.676) 0.793 (0.29, 1.295) EPA6 BioPatch Rest 2 STD HR 0.601 (3.573) -6.401 (-9.974, -2.829) 7.603 (4.03, 11.176)	EPA6	BioPatch	Rest 1	SDNN	-3.446 (4.405)	-12.079 (-16.484, -7.674)	5.188 (0.783, 9.593)
EPA6 BioPatch Paced Breathing SDNN -4.571 (16.113) -36.153 (-52.267, -20.039) 27.011 (10.897, 43.125) EPA6 BioPatch Standing SDNN -7.985 (13.05) -33.563 (-46.614, -20.512) 17.594 (4.543, 30.645) EPA6 BioPatch Rest 1 Mean HR 1.734 (1.869) -1.929 (-3.798, -0.06) 5.398 (3.528, 7.267) EPA6 BioPatch Rest 2 Mean HR 1.486 (0.698) 0.119 (-0.579, 0.817) 2.854 (2.156, 3.551) EPA6 BioPatch Rest 2 Mean HR 1.391 (1.189) -0.94 (-2.129, 0.249) 3.721 (2.532, 4.91) EPA6 BioPatch Paced Breathing Mean HR 0.793 (2.723) -4.545 (-7.268, -1.821) 6.131 (3.407, 8.854) EPA6 BioPatch Rest 1 STD HR -0.193 (0.503) -1.178 (-1.681, -0.676) 0.793 (0.29, 1.295) EPA6 BioPatch Rest 1 STD HR -0.193 (0.503) -1.178 (-1.681, -0.676) 0.793 (0.29, 1.295) EPA6 BioPatch Rest 2 STD HR 0.601 (3.573) -6.401 (-9.974, -2.829) 7.603 (4.03, 11.176)	EPA6	BioPatch	Stressor	SDNN	9.118 (51.193)	-91.22 (-142.415, -40.024)	109.457 (58.261, 160.652)
EPA6 BioPatch Standing SDNN -7.985 (13.05) -33.563 (-46.614, -20.512) 17.594 (4.543, 30.645) EPA6 BioPatch Rest 1 Mean HR 1.734 (1.869) -1.929 (-3.798, -0.06) 5.398 (3.528, 7.267) EPA6 BioPatch Stressor Mean HR 1.486 (0.698) 0.119 (-0.579, 0.817) 2.854 (2.156, 3.551) EPA6 BioPatch Rest 2 Mean HR 1.391 (1.189) -0.94 (-2.129, 0.249) 3.721 (2.532, 4.91) EPA6 BioPatch Paced Breathing Mean HR 0.793 (2.723) -4.545 (-7.268, -1.821) 6.131 (3.407, 8.854) EPA6 BioPatch Standing Mean HR 1.079 (2.384) -3.594 (-5.978, -1.209) 5.752 (3.368, 8.137) EPA6 BioPatch Rest 1 STD HR -0.193 (0.503) -1.178 (-1.681, -0.676) 0.793 (0.29, 1.295) EPA6 BioPatch Rest 2 STD HR 0.601 (3.573) -6.401 (-9.974, -2.829) 7.603 (4.03, 11.176) EPA6 BioPatch Rest 2 STD HR 0.049 (0.568) -1.064 (-1.632, -0.497) 1.162 (0.594, 1.729)	EPA6	BioPatch	Rest 2	SDNN	-1.466 (3.741)	-8.799 (-12.54, -5.057)	5.867 (2.126, 9.609)
EPA6 BioPatch Rest 1 Mean HR 1.734 (1.869) -1.929 (-3.798, -0.06) 5.398 (3.528, 7.267) EPA6 BioPatch Stressor Mean HR 1.486 (0.698) 0.119 (-0.579, 0.817) 2.854 (2.156, 3.551) EPA6 BioPatch Rest 2 Mean HR 1.391 (1.189) -0.94 (-2.129, 0.249) 3.721 (2.532, 4.91) EPA6 BioPatch Paced Breathing Mean HR 0.793 (2.723) -4.545 (-7.268, -1.821) 6.131 (3.407, 8.854) EPA6 BioPatch Standing Mean HR 1.079 (2.384) -3.594 (-5.978, -1.209) 5.752 (3.368, 8.137) EPA6 BioPatch Rest 1 STD HR -0.193 (0.503) -1.178 (-1.681, -0.676) 0.793 (0.29, 1.295) EPA6 BioPatch Stressor STD HR 0.601 (3.573) -6.401 (-9.974, -2.829) 7.603 (4.03, 11.176) EPA6 BioPatch Rest 2 STD HR 0.049 (0.568) -1.064 (-1.632, -0.497) 1.162 (0.594, 1.729) EPA6 BioPatch Paced Breathing STD HR -1.133 (3.339) -7.876 (-11.215, -4.536) 5.214 (1.875, 8.554)	EPA6	BioPatch	Paced Breathing	SDNN	-4.571 (16.113)	-36.153 (-52.267, -20.039)	27.011 (10.897, 43.125)
EPA6 BioPatch Stressor Mean HR 1.486 (0.698) 0.119 (-0.579, 0.817) 2.854 (2.156, 3.551) EPA6 BioPatch Rest 2 Mean HR 1.391 (1.189) -0.94 (-2.129, 0.249) 3.721 (2.532, 4.91) EPA6 BioPatch Paced Breathing Mean HR 0.793 (2.723) -4.545 (-7.268, -1.821) 6.131 (3.407, 8.854) EPA6 BioPatch Standing Mean HR 1.079 (2.384) -3.594 (-5.978, -1.209) 5.752 (3.368, 8.137) EPA6 BioPatch Rest 1 STD HR -0.193 (0.503) -1.178 (-1.681, -0.676) 0.793 (0.29, 1.295) EPA6 BioPatch Stressor STD HR 0.601 (3.573) -6.401 (-9.974, -2.829) 7.603 (4.03, 11.176) EPA6 BioPatch Rest 2 STD HR 0.049 (0.568) -1.064 (-1.632, -0.497) 1.162 (0.594, 1.729) EPA6 BioPatch Paced Breathing STD HR -1.163 (4.107) -9.213 (-13.32, -5.105) 6.887 (2.78, 10.994) EPA6 BioPatch Standing STD HR -1.331 (3.339) -7.876 (-11.215, -4.536) 5.214 (1.875, 8.554)	EPA6	BioPatch	Standing	SDNN	-7.985 (13.05)	-33.563 (-46.614, -20.512)	17.594 (4.543, 30.645)
EPA6 BioPatch Rest 2 Mean HR 1.391 (1.189) -0.94 (-2.129, 0.249) 3.721 (2.532, 4.91) EPA6 BioPatch Paced Breathing Mean HR 0.793 (2.723) -4.545 (-7.268, -1.821) 6.131 (3.407, 8.854) EPA6 BioPatch Standing Mean HR 1.079 (2.384) -3.594 (-5.978, -1.209) 5.752 (3.368, 8.137) EPA6 BioPatch Rest 1 STD HR -0.193 (0.503) -1.178 (-1.681, -0.676) 0.793 (0.29, 1.295) EPA6 BioPatch Stressor STD HR 0.601 (3.573) -6.401 (-9.974, -2.829) 7.603 (4.03, 11.176) EPA6 BioPatch Rest 2 STD HR 0.049 (0.568) -1.064 (-1.632, -0.497) 1.162 (0.594, 1.729) EPA6 BioPatch Paced Breathing STD HR -1.163 (4.107) -9.213 (-13.32, -5.105) 6.887 (2.78, 10.994) EPA6 BioPatch Standing STD HR -1.331 (3.339) -7.876 (-11.215, -4.536) 5.214 (1.875, 8.554) EPA6 BioPatch Rest 1 RMSSD -6.816 (7.951) -22.399 (-30.35, -14.448) 8.768 (0.817, 16.719)	EPA6	BioPatch	Rest 1	Mean HR	1.734 (1.869)	-1.929 (-3.798, -0.06)	5.398 (3.528, 7.267)
EPA6 BioPatch Paced Breathing Mean HR 0.793 (2.723) -4.545 (-7.268, -1.821) 6.131 (3.407, 8.854) EPA6 BioPatch Standing Mean HR 1.079 (2.384) -3.594 (-5.978, -1.209) 5.752 (3.368, 8.137) EPA6 BioPatch Rest 1 STD HR -0.193 (0.503) -1.178 (-1.681, -0.676) 0.793 (0.29, 1.295) EPA6 BioPatch Stressor STD HR 0.601 (3.573) -6.401 (-9.974, -2.829) 7.603 (4.03, 11.176) EPA6 BioPatch Rest 2 STD HR 0.049 (0.568) -1.064 (-1.632, -0.497) 1.162 (0.594, 1.729) EPA6 BioPatch Paced Breathing STD HR -1.163 (4.107) -9.213 (-13.32, -5.105) 6.887 (2.78, 10.994) EPA6 BioPatch Standing STD HR -1.331 (3.339) -7.876 (-11.215, -4.536) 5.214 (1.875, 8.554) EPA6 BioPatch Rest 1 RMSSD -6.816 (7.951) -22.399 (-30.35, -14.448) 8.768 (0.817, 16.719) EPA6 BioPatch Rest 2 RMSSD -3.634 (7.244) -17.833 (-25.077, -10.588) 10.564 (3.32, 17.809	EPA6	BioPatch	Stressor	Mean HR	1.486 (0.698)	0.119 (-0.579, 0.817)	2.854 (2.156, 3.551)
EPA6 BioPatch Standing Mean HR 1.079 (2.384) -3.594 (-5.978, -1.209) 5.752 (3.368, 8.137) EPA6 BioPatch Rest 1 STD HR -0.193 (0.503) -1.178 (-1.681, -0.676) 0.793 (0.29, 1.295) EPA6 BioPatch Stressor STD HR 0.601 (3.573) -6.401 (-9.974, -2.829) 7.603 (4.03, 11.176) EPA6 BioPatch Rest 2 STD HR 0.049 (0.568) -1.064 (-1.632, -0.497) 1.162 (0.594, 1.729) EPA6 BioPatch Paced Breathing STD HR -1.163 (4.107) -9.213 (-13.32, -5.105) 6.887 (2.78, 10.994) EPA6 BioPatch Standing STD HR -1.331 (3.339) -7.876 (-11.215, -4.536) 5.214 (1.875, 8.554) EPA6 BioPatch Rest 1 RMSSD -6.816 (7.951) -22.399 (-30.35, -14.448) 8.768 (0.817, 16.719) EPA6 BioPatch Stressor RMSSD 0.762 (34.162) -66.196 (-100.361, -32.032) 67.721 (33.556, 101.885) EPA6 BioPatch Rest 2 RMSSD -3.634 (7.244) -17.833 (-25.077, -10.588) 10.564 (3.32, 17.809	EPA6	BioPatch	Rest 2	Mean HR	1.391 (1.189)		3.721 (2.532, 4.91)
EPA6 BioPatch Rest 1 STD HR -0.193 (0.503) -1.178 (-1.681, -0.676) 0.793 (0.29, 1.295) EPA6 BioPatch Stressor STD HR 0.601 (3.573) -6.401 (-9.974, -2.829) 7.603 (4.03, 11.176) EPA6 BioPatch Rest 2 STD HR 0.049 (0.568) -1.064 (-1.632, -0.497) 1.162 (0.594, 1.729) EPA6 BioPatch Paced Breathing STD HR -1.163 (4.107) -9.213 (-13.32, -5.105) 6.887 (2.78, 10.994) EPA6 BioPatch Standing STD HR -1.331 (3.339) -7.876 (-11.215, -4.536) 5.214 (1.875, 8.554) EPA6 BioPatch Rest 1 RMSSD -6.816 (7.951) -22.399 (-30.35, -14.448) 8.768 (0.817, 16.719) EPA6 BioPatch Stressor RMSSD 0.762 (34.162) -66.196 (-100.361, -32.032) 67.721 (33.556, 101.885) EPA6 BioPatch Rest 2 RMSSD -3.634 (7.244) -17.833 (-25.077, -10.588) 10.564 (3.32, 17.809) EPA6 BioPatch Paced Breathing RMSSD -5.775 (14.717) -34.62 (-49.337, -19.902) 23.07 (8.3	EPA6	BioPatch	Paced Breathing	Mean HR	0.793 (2.723)	-4.545 (-7.268, -1.821)	6.131 (3.407, 8.854)
EPA6 BioPatch Stressor STD HR 0.601 (3.573) -6.401 (-9.974, -2.829) 7.603 (4.03, 11.176) EPA6 BioPatch Rest 2 STD HR 0.049 (0.568) -1.064 (-1.632, -0.497) 1.162 (0.594, 1.729) EPA6 BioPatch Paced Breathing STD HR -1.163 (4.107) -9.213 (-13.32, -5.105) 6.887 (2.78, 10.994) EPA6 BioPatch Standing STD HR -1.331 (3.339) -7.876 (-11.215, -4.536) 5.214 (1.875, 8.554) EPA6 BioPatch Rest 1 RMSSD -6.816 (7.951) -22.399 (-30.35, -14.448) 8.768 (0.817, 16.719) EPA6 BioPatch Stressor RMSSD 0.762 (34.162) -66.196 (-100.361, -32.032) 67.721 (33.556, 101.885) EPA6 BioPatch Rest 2 RMSSD -3.634 (7.244) -17.833 (-25.077, -10.588) 10.564 (3.32, 17.809) EPA6 BioPatch Paced Breathing RMSSD -5.775 (14.717) -34.62 (-49.337, -19.902) 23.07 (8.352, 37.787) EPA6 BioPatch Rest 1 LF/HF Power 1.321 (2.363) -3.311 (-5.674, -0.948) 5.95	EPA6	BioPatch	Standing	Mean HR	1.079 (2.384)	-3.594 (-5.978, -1.209)	5.752 (3.368, 8.137)
EPA6 BioPatch Rest 2 STD HR 0.049 (0.568) -1.064 (-1.632, -0.497) 1.162 (0.594, 1.729) EPA6 BioPatch Paced Breathing STD HR -1.163 (4.107) -9.213 (-13.32, -5.105) 6.887 (2.78, 10.994) EPA6 BioPatch Standing STD HR -1.331 (3.339) -7.876 (-11.215, -4.536) 5.214 (1.875, 8.554) EPA6 BioPatch Rest 1 RMSSD -6.816 (7.951) -22.399 (-30.35, -14.448) 8.768 (0.817, 16.719) EPA6 BioPatch Stressor RMSSD 0.762 (34.162) -66.196 (-100.361, -32.032) 67.721 (33.556, 101.885) EPA6 BioPatch Rest 2 RMSSD -3.634 (7.244) -17.833 (-25.077, -10.588) 10.564 (3.32, 17.809) EPA6 BioPatch Paced Breathing RMSSD -5.775 (14.717) -34.62 (-49.337, -19.902) 23.07 (8.352, 37.787) EPA6 BioPatch Standing RMSSD -8.03 (12.319) -32.176 (-44.496, -19.856) 16.116 (3.796, 28.436) EPA6 BioPatch Rest 1 LF/HF Power 1.321 (2.363) -3.311 (-5.674, -0.948) <td< td=""><td>EPA6</td><td>BioPatch</td><td>Rest 1</td><td>STD HR</td><td>-0.193 (0.503)</td><td>-1.178 (-1.681, -0.676)</td><td>0.793 (0.29, 1.295)</td></td<>	EPA6	BioPatch	Rest 1	STD HR	-0.193 (0.503)	-1.178 (-1.681, -0.676)	0.793 (0.29, 1.295)
EPA6 BioPatch Paced Breathing STD HR -1.163 (4.107) -9.213 (-13.32, -5.105) 6.887 (2.78, 10.994) EPA6 BioPatch Standing STD HR -1.331 (3.339) -7.876 (-11.215, -4.536) 5.214 (1.875, 8.554) EPA6 BioPatch Rest 1 RMSSD -6.816 (7.951) -22.399 (-30.35, -14.448) 8.768 (0.817, 16.719) EPA6 BioPatch Stressor RMSSD 0.762 (34.162) -66.196 (-100.361, -32.032) 67.721 (33.556, 101.885) EPA6 BioPatch Rest 2 RMSSD -3.634 (7.244) -17.833 (-25.077, -10.588) 10.564 (3.32, 17.809) EPA6 BioPatch Paced Breathing RMSSD -5.775 (14.717) -34.62 (-49.337, -19.902) 23.07 (8.352, 37.787) EPA6 BioPatch Standing RMSSD -8.03 (12.319) -32.176 (-44.496, -19.856) 16.116 (3.796, 28.436) EPA6 BioPatch Rest 1 LF/HF Power 1.321 (2.363) -3.311 (-5.674, -0.948) 5.952 (3.589, 8.315)	EPA6	BioPatch	Stressor	STD HR	0.601 (3.573)	-6.401 (-9.974, -2.829)	7.603 (4.03, 11.176)
EPA6 BioPatch Standing STD HR -1.331 (3.339) -7.876 (-11.215, -4.536) 5.214 (1.875, 8.554) EPA6 BioPatch Rest 1 RMSSD -6.816 (7.951) -22.399 (-30.35, -14.448) 8.768 (0.817, 16.719) EPA6 BioPatch Stressor RMSSD 0.762 (34.162) -66.196 (-100.361, -32.032) 67.721 (33.556, 101.885) EPA6 BioPatch Rest 2 RMSSD -3.634 (7.244) -17.833 (-25.077, -10.588) 10.564 (3.32, 17.809) EPA6 BioPatch Paced Breathing RMSSD -5.775 (14.717) -34.62 (-49.337, -19.902) 23.07 (8.352, 37.787) EPA6 BioPatch Standing RMSSD -8.03 (12.319) -32.176 (-44.496, -19.856) 16.116 (3.796, 28.436) EPA6 BioPatch Rest 1 LF/HF Power 1.321 (2.363) -3.311 (-5.674, -0.948) 5.952 (3.589, 8.315)	EPA6	BioPatch	Rest 2	STD HR	0.049 (0.568)	-1.064 (-1.632, -0.497)	1.162 (0.594, 1.729)
EPA6 BioPatch Rest 1 RMSSD -6.816 (7.951) -22.399 (-30.35, -14.448) 8.768 (0.817, 16.719) EPA6 BioPatch Stressor RMSSD 0.762 (34.162) -66.196 (-100.361, -32.032) 67.721 (33.556, 101.885) EPA6 BioPatch Rest 2 RMSSD -3.634 (7.244) -17.833 (-25.077, -10.588) 10.564 (3.32, 17.809) EPA6 BioPatch Paced Breathing RMSSD -5.775 (14.717) -34.62 (-49.337, -19.902) 23.07 (8.352, 37.787) EPA6 BioPatch Standing RMSSD -8.03 (12.319) -32.176 (-44.496, -19.856) 16.116 (3.796, 28.436) EPA6 BioPatch Rest 1 LF/HF Power 1.321 (2.363) -3.311 (-5.674, -0.948) 5.952 (3.589, 8.315)	EPA6	BioPatch	Paced Breathing	STD HR	-1.163 (4.107)	-9.213 (-13.32, -5.105)	6.887 (2.78, 10.994)
EPA6 BioPatch Stressor RMSSD 0.762 (34.162) -66.196 (-100.361, -32.032) 67.721 (33.556, 101.885) EPA6 BioPatch Rest 2 RMSSD -3.634 (7.244) -17.833 (-25.077, -10.588) 10.564 (3.32, 17.809) EPA6 BioPatch Paced Breathing RMSSD -5.775 (14.717) -34.62 (-49.337, -19.902) 23.07 (8.352, 37.787) EPA6 BioPatch Standing RMSSD -8.03 (12.319) -32.176 (-44.496, -19.856) 16.116 (3.796, 28.436) EPA6 BioPatch Rest 1 LF/HF Power 1.321 (2.363) -3.311 (-5.674, -0.948) 5.952 (3.589, 8.315)	EPA6	BioPatch	Standing	STD HR	-1.331 (3.339)	-7.876 (-11.215, -4.536)	5.214 (1.875, 8.554)
EPA6 BioPatch Rest 2 RMSSD -3.634 (7.244) -17.833 (-25.077, -10.588) 10.564 (3.32, 17.809) EPA6 BioPatch Paced Breathing RMSSD -5.775 (14.717) -34.62 (-49.337, -19.902) 23.07 (8.352, 37.787) EPA6 BioPatch Standing RMSSD -8.03 (12.319) -32.176 (-44.496, -19.856) 16.116 (3.796, 28.436) EPA6 BioPatch Rest 1 LF/HF Power 1.321 (2.363) -3.311 (-5.674, -0.948) 5.952 (3.589, 8.315)	EPA6	BioPatch	Rest 1	RMSSD	-6.816 (7.951)	-22.399 (-30.35, -14.448)	8.768 (0.817, 16.719)
EPA6 BioPatch Paced Breathing RMSSD -5.775 (14.717) -34.62 (-49.337, -19.902) 23.07 (8.352, 37.787) EPA6 BioPatch Standing RMSSD -8.03 (12.319) -32.176 (-44.496, -19.856) 16.116 (3.796, 28.436) EPA6 BioPatch Rest 1 LF/HF Power 1.321 (2.363) -3.311 (-5.674, -0.948) 5.952 (3.589, 8.315)	EPA6	BioPatch	Stressor	RMSSD	0.762 (34.162)	-66.196 (-100.361, -32.032)	67.721 (33.556, 101.885)
EPA6 BioPatch Standing RMSSD -8.03 (12.319) -32.176 (-44.496, -19.856) 16.116 (3.796, 28.436) EPA6 BioPatch Rest 1 LF/HF Power 1.321 (2.363) -3.311 (-5.674, -0.948) 5.952 (3.589, 8.315)	EPA6	BioPatch	Rest 2	RMSSD	-3.634 (7.244)	-17.833 (-25.077, -10.588)	10.564 (3.32, 17.809)
EPA6 BioPatch Rest 1 LF/HF Power 1.321 (2.363) -3.311 (-5.674, -0.948) 5.952 (3.589, 8.315)	EPA6	BioPatch	Paced Breathing		-5.775 (14.717)	-34.62 (-49.337, -19.902)	23.07 (8.352, 37.787)
	EPA6	BioPatch	Standing	RMSSD	-8.03 (12.319)	-32.176 (-44.496, -19.856)	16.116 (3.796, 28.436)
EPA6 BioPatch Stressor LF/HF Power 0.671 (2.097) -3.44 (-5.537, -1.343) 4.781 (2.684, 6.879)	EPA6	BioPatch	Rest 1	LF/HF Power	1.321 (2.363)	-3.311 (-5.674, -0.948)	5.952 (3.589, 8.315)
	EPA6	BioPatch	Stressor	LF/HF Power	0.671 (2.097)	-3.44 (-5.537, -1.343)	4.781 (2.684, 6.879)

				Mean Difference	Lower Limit of Agreement	Upper Limit of Agreement
Device 1	Device 2	Segment	Measure	(SD)	(95%CI)	(95% CI)
EPA6	BioPatch	Rest 2	LF/HF Power	0.714 (2.216)	-3.629 (-5.845, -1.413)	5.057 (2.841, 7.273)
EPA6	BioPatch	Paced Breathing	LF/HF Power	1.988 (5.999)	-9.77 (-15.769, -3.771)	13.745 (7.746, 19.744)
EPA6	BioPatch	Standing	LF/HF Power	4.451 (17.015)	-28.899 (-45.915, -11.882)	37.802 (20.785, 54.818)
EPA6	HeartMath Handheld	Rest 1	Mean RR	-17.631 (8.811)	-34.901 (-45.154, -24.648)	-0.36 (-10.614, 9.893)
EPA6	HeartMath Handheld	Stressor	Mean RR	-18.97 (6.409)	-31.533 (-38.991, -24.074)	-6.407 (-13.866, 1.051)
EPA6	HeartMath Handheld	Rest 2	Mean RR	-17.96 (16.432)	-50.166 (-69.286, -31.046)	14.246 (-4.874, 33.366)
EPA6	HeartMath Handheld	Paced Breathing	Mean RR	-17.092 (26.588)	-69.205 (-100.143, -38.267)	35.021 (4.083, 65.96)
EPA6	HeartMath Handheld	Standing	Mean RR	-34.346 (69.168)	-169.914 (-255.615, -84.213)	101.222 (15.521, 186.923)
EPA6	HeartMath Handheld	Rest 1	SDNN	1.079 (5.188)	-9.09 (-15.126, -3.053)	11.247 (5.21, 17.284)
EPA6	HeartMath Handheld	Stressor	SDNN	12.783 (53.783)	-92.633 (-155.216, -30.05)	118.199 (55.616, 180.781)
EPA6	HeartMath Handheld	Rest 2	SDNN	1.925 (5.534)	-8.922 (-15.361, -2.483)	12.771 (6.332, 19.21)
EPA6	HeartMath Handheld	Paced Breathing	SDNN	1.125 (8.87)	-16.26 (-26.582, -5.939)	18.51 (8.189, 28.831)
EPA6	HeartMath Handheld	Standing	SDNN	-7.487 (8.544)	-24.234 (-34.821, -13.648)	9.259 (-1.327, 19.846)
EPA6	HeartMath Handheld	Rest 1	Mean HR	1.465 (0.767)	-0.038 (-0.931, 0.854)	2.967 (2.075, 3.86)
EPA6	HeartMath Handheld	Stressor	Mean HR	1.874 (0.527)	0.841 (0.228, 1.454)	2.906 (2.293, 3.519)
EPA6	HeartMath Handheld	Rest 2	Mean HR	1.519 (1.287)	-1.004 (-2.501, 0.494)	4.042 (2.544, 5.54)
EPA6	HeartMath Handheld	Paced Breathing	Mean HR	1.534 (2.831)	-4.014 (-7.308, -0.721)	7.081 (3.788, 10.375)
EPA6	HeartMath Handheld	Standing	Mean HR	3.702 (7.545)	-11.086 (-20.434, -1.738)	18.49 (9.142, 27.838)
EPA6	HeartMath Handheld	Rest 1	STD HR	0.136 (0.437)	-0.72 (-1.228, -0.212)	0.993 (0.484, 1.501)
EPA6	HeartMath Handheld	Stressor	STD HR	0.756 (3.569)	-6.238 (-10.391, -2.086)	7.751 (3.598, 11.904)
EPA6	HeartMath Handheld	Rest 2	STD HR	0.288 (0.597)	-0.882 (-1.576, -0.187)	1.458 (0.764, 2.153)
EPA6	HeartMath Handheld	Paced Breathing	STD HR	0.185 (1.208)	-2.182 (-3.588, -0.777)	2.552 (1.146, 3.957)
EPA6	HeartMath Handheld	Standing	STD HR	-0.634 (0.687)	-1.981 (-2.832, -1.129)	0.713 (-0.139, 1.564)
EPA6	HeartMath Handheld	Rest 1	RMSSD	-0.326 (9.738)	-19.412 (-30.743, -8.081)	18.759 (7.429, 30.09)
EPA6	HeartMath Handheld	Stressor	RMSSD	-3.251 (30.798)	-63.615 (-99.451, -27.778)	57.113 (21.276, 92.949)
EPA6	HeartMath Handheld	Rest 2	RMSSD	-0.449 (7.928)	-15.987 (-25.212, -6.763)	15.089 (5.864, 24.314)
EPA6	HeartMath Handheld	Paced Breathing	RMSSD	-4.769 (15.239)	-34.637 (-52.368, -16.905)	25.098 (7.367, 42.83)
EPA6	HeartMath Handheld	Standing	RMSSD	-14.443 (12.028)	-38.018 (-52.921, -23.115)	9.132 (-5.771, 24.035)
EPA6	HeartMath Handheld	Rest 1	LF/HF Power	0.575 (1.822)	-2.995 (-5.115, -0.875)	4.146 (2.026, 6.266)
EPA6	HeartMath Handheld	Stressor	LF/HF Power	0.99 (1.524)	-1.998 (-3.771, -0.224)	3.978 (2.204, 5.751)
EPA6	HeartMath Handheld	Rest 2	LF/HF Power	0.106 (0.939)	-1.734 (-2.827, -0.641)	1.947 (0.854, 3.039)
EPA6	HeartMath Handheld	Paced Breathing	LF/HF Power	1.704 (5.086)	-8.265 (-14.183, -2.347)	11.672 (5.754, 17.59)
EPA6	HeartMath Handheld	Standing	LF/HF Power	7.392 (18.41)	-28.691 (-51.501, -5.881)	43.475 (20.665, 66.285)
EPA6	HeartMath PC	Rest 1	Mean RR	-20.648 (32.073)	-83.511 (-118.808, -48.215)	42.215 (6.919, 77.511)
EPA6	HeartMath PC	Stressor	Mean RR	-57.94 (88.052)	-230.522 (-327.423, -133.622)	114.642 (17.742, 211.543)
EPA6	HeartMath PC	Rest 2	Mean RR	-1.017 (36.408)	-72.377 (-112.444, -32.31)	70.344 (30.277, 110.411)
EPA6	HeartMath PC	Paced Breathing	Mean RR	13.655 (74.092)	-131.565 (-213.102, -50.027)	158.875 (77.337, 240.412)
EPA6	HeartMath PC	Standing	Mean RR	-40.322 (66.252)	-170.176 (-243.086, -97.266)	89.533 (16.623, 162.443)
EPA6	HeartMath PC	Rest 1	SDNN	-7.541 (16.933)	-40.729 (-59.364, -22.095)	25.647 (7.013, 44.281)

				Mean Difference	Lower Limit of Agreement	Upper Limit of Agreement
Device 1	Device 2	Segment	Measure	(SD)	(95%CI)	(95% CI)
EPA6	HeartMath PC	Stressor	SDNN	-3.552 (60.098)	-121.343 (-187.48, -55.206)	114.239 (48.103, 180.376)
EPA6	HeartMath PC	Rest 2	SDNN	-12.03 (19.223)	-49.707 (-70.862, -28.553)	25.646 (4.492, 46.801)
EPA6	HeartMath PC	Paced Breathing	SDNN	-1.955 (22.306)	-45.675 (-70.223, -21.128)	41.765 (17.217, 66.312)
EPA6	HeartMath PC	Standing	SDNN	-22.857 (20.013)	-62.083 (-84.107, -40.058)	16.369 (-5.656, 38.393)
EPA6	HeartMath PC	Rest 1	Mean HR	2.13 (2.705)	-3.172 (-6.148, -0.195)	7.432 (4.455, 10.408)
EPA6	HeartMath PC	Stressor	Mean HR	6.516 (11.552)	-16.126 (-28.838, -3.413)	29.157 (16.445, 41.87)
EPA6	HeartMath PC	Rest 2	Mean HR	0.389 (2.685)	-4.874 (-7.828, -1.919)	5.652 (2.697, 8.607)
EPA6	HeartMath PC	Paced Breathing	Mean HR	-0.632 (5.366)	-11.15 (-17.055, -5.244)	9.886 (3.981, 15.792)
EPA6	HeartMath PC	Standing	Mean HR	4.663 (7.297)	-9.639 (-17.669, -1.609)	18.964 (10.934, 26.994)
EPA6	HeartMath PC	Rest 1	STD HR	-0.548 (1.352)	-3.199 (-4.687, -1.711)	2.102 (0.614, 3.591)
EPA6	HeartMath PC	Stressor	STD HR	-0.507 (4.147)	-8.634 (-13.197, -4.071)	7.621 (3.057, 12.184)
EPA6	HeartMath PC	Rest 2	STD HR	-0.992 (1.762)	-4.445 (-6.383, -2.506)	2.461 (0.523, 4.4)
EPA6	HeartMath PC	Paced Breathing	STD HR	-0.652 (2.135)	-4.836 (-7.185, -2.487)	3.531 (1.182, 5.88)
EPA6	HeartMath PC	Standing	STD HR	-1.996 (1.743)	-5.412 (-7.33, -3.494)	1.421 (-0.498, 3.339)
EPA6	HeartMath PC	Rest 1	RMSSD	-19.378 (27.344)	-72.972 (-103.064, -42.881)	34.216 (4.124, 64.307)
EPA6	HeartMath PC	Stressor	RMSSD	-29.231 (49.569)	-126.386 (-180.937, -71.836)	67.925 (13.374, 122.475)
EPA6	HeartMath PC	Rest 2	RMSSD	-30.065 (26.866)	-82.723 (-112.29, -53.157)	22.593 (-6.973, 52.16)
EPA6	HeartMath PC	Paced Breathing	RMSSD	-29.77 (29.396)	-87.385 (-119.735, -55.036)	27.845 (-4.504, 60.195)
EPA6	HeartMath PC	Standing	RMSSD	-48.421 (30.359)	-107.924 (-141.334, -74.514)	11.082 (-22.327, 44.492)
EPA6	HeartMath PC	Rest 1	LF/HF Power	1.877 (2.753)	-3.518 (-6.548, -0.489)	7.272 (4.243, 10.301)
EPA6	HeartMath PC	Stressor	LF/HF Power	2.768 (3.203)	-3.511 (-7.037, 0.014)	9.046 (5.521, 12.572)
EPA6	HeartMath PC	Rest 2	LF/HF Power	1.484 (1.633)	-1.717 (-3.514, 0.08)	4.685 (2.888, 6.483)
EPA6	HeartMath PC	Paced Breathing	LF/HF Power	6.028 (5.363)	-4.483 (-10.385, 1.419)	16.54 (10.638, 22.441)
EPA6	HeartMath PC	Standing	LF/HF Power	8.278 (12.387)	-16.001 (-29.633, -2.369)	32.557 (18.925, 46.189)