Table S1. Bivariate Correlations Between Children's Typical Response to Pain and Parent Heart Rate (HR) (*N* = 25).

	1	2	3	4	5
1. Typical Response to Needle Pain					
2. HR Rest	-.32 [-.63, .09]				
3. HR Pre-CPT	-.34 [-.65, .06]	.90** [.79, .96]			
4. HR Post-CPT[a]	-.29 [-.62, .13]	.95** [.88, .98]	.91** [.80, .96]		
5. HR Phasic	-.12 [-.49, .29]	-.01 [-.41, .38]	.41* [.02, .69]	.11 [-.30, .50]	
6. HR Recovery[a]	.09 [-.32, .48]	-.15 [-.52, .27]	.05 [-.36, .44]	.17 [-.25, .54]	.42* [.03, .71]

HR Phasic = change score subtracting HR during resting from HR during pre-cold pressor task (CPT); HR Recovery = change score subtracting HR during resting from HR during post-CPT. Values in square brackets indicate the 95% confidence interval for each correlation. [a]*n* = 24. *$p < 0.05$. **$p < 0.01$.

Table S2. Bivariate Correlations Between Children's Typical Response to Needle Pain and Parent Heart Rate Variability (*N* = 25).

	1	2	3	4	5	6	7	8	9	10
1. Typical Response to Needle Pain										
2. HF-HRV Rest	.41* [.02, .69]									
3. HF-HRV Pre-CPT	.38 [-.01, .68]	.65** [.34, .83]								
4. HF-HRV Post-CPT[a]	.46* [.06, .73]	.54** [.17, .77]	.72** [.45, .87]							
5. HF-HRV Phasic	.10 [-.31, .47]	-.14 [-.51, .27]	.66** [.36, .84]	.40 [-.01, .69]						
6. HF-HRV Recovery[a]	.03 [-.38, .43]	-.50* [-.75, -.12]	.09 [-.32, .48]	.46* [.07, .73]	.59** [.24, .80]					
7. RMSSD Rest	.38 [-.01, .68]	.89** [.77, .95]	.48* [.11, .74]	.44* [.05, .72]	-.25 [-.59, .16]	-.48* [-.74, -.09]				
8. RMSSD Pre-CPT	.54** [.19, .77]	.76** [.51, .89]	.86** [.71, .94]	.73** [.46, .87]	.38 [-.02, .67]	-.02 [-.42, .39]	.70** [.42, .86]			
9. RMSS Post-CPT[a]	.47* [.09, .74]	.61** [.28, .81]	.71** [.43, .86]	.86** [.70, .94]	.31 [-.11, .63]	.24 [-.18, .59]	.59** [.25, .80]	.86** [.70, .94]		
10. RMSSD Phasic[b]	.15 [-.26, .51]	-.15 [-.51, .26]	.31 [-.11, .63]	.25 [-.16, .59]	.75** [.50, .88]	.59** [.25, .80]	-.30 [-.63, .11]	.36 [-.04, .65]	.28 [-.12, .61]	
11. RMSSD Recovery[a]	-.00 [-.41, .40]	-.47* [-.73, -.08]	.16 [-.26, .53]	.30 [-.11, .63]	.64** [.32, .83]	.81** [.60, .91]	-.63** [-.82, -.30]	.03 [-.38, .43]	.26 [-.16, .60]	.75** [.50, 88]

HF-HRV Phasic = change score subtracting high-frequency heart rate variability (HF-HRV) during resting from HF-HRV during pre-CPT; HR-HRV Recovery = change score subtracting HF-HRV during resting from HF-HRV during post-CPT. RMSSD Phasic = change score subtracting the root mean square of successive differences (RMSSD) during resting from RMSSD during pre-CPT; RMSSD Recovery = change score subtracting RMSSD during resting from RMSSD during post-CPT. Values in square brackets indicate the 95% confidence interval for each correlation. [a] *n* = 24; [b] Spearman's correlation coefficient. **p* < 0.05. ***p* < 0.01