**RESULTS**

*Association of anxiety change across time with GI Distress – confirmatory analysis*

 To ensure that imputation of missing data in the mixed linear model was not driving the association between GI Distress and change in anxiety across time, we performed a confirmatory analysis using a repeated measures ANOVA with list wise deletion to examine the association between GI Distress at baseline with the change in anxiety from baseline to Time 3 (N = 54), and the change in anxiety from baseline to Time 2 (N = 86). For the first model (change in anxiety from baseline to Time 3) we saw a main effect of time *F*(2, 78) = 8.61, *p* = 002, GI Distress at baseline, *F*(9, 39) = 3.82,  *p* = .002, age at baseline, F(1, 39) = 5.13, *p* = .029, and a significant Time x Baseline GI Distress interaction, *F*(18, 78) = 3.05, *p* = .002. None of the other main effects and interactions were significant, largest *F*(1, 39) = 2.12, *p* = .153. For the second model (change in anxiety from baseline to Time 2) we saw a main effect of time, *F*(1, 65) = 7.66, *p* =.007, GI Distress at baseline, F(13, 65) = 4.03, *p* < .0001, caregiving history, F(, 65) = 13.68, *p* = .0004, and significant interactions between Time x Baseline GI Distress, *F*(3, 65) = 2.40,  *p* = .011, and between GI Distress at Baseline x Caregiving History, *F*(4, 65) = 3.12, *p* = .021. No other main effects and interactions were significant, largest *F*(1, 65) = 2.18, *p* =.144.

**SUPPLEMENTAL FIGURES**

**Supplemental Figure 1.** Association of caregiving history group membership (early adversity or comparison group) with factor 1 gastrointestinal distress, broken down by participant age at assessment (Early Childhood: 3-4 years, Middle Childhood: 5-10 years, Adolescence: 11-18 years). Bars represent the group averages.