

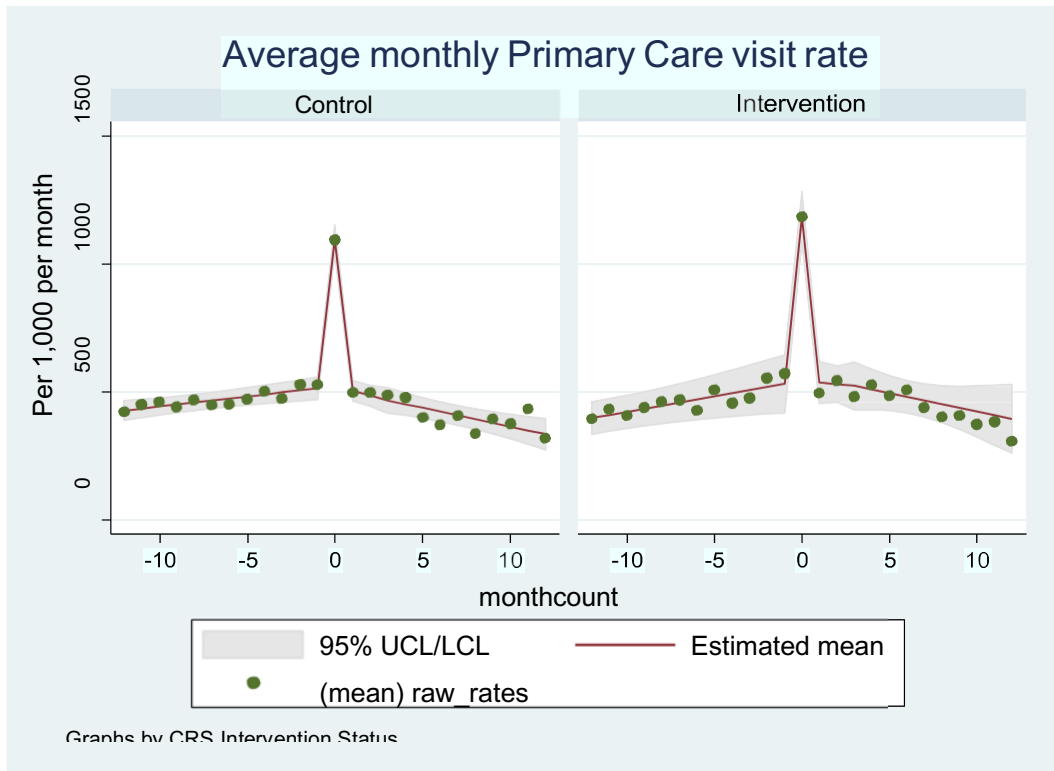
## Appendix K. Unadjusted Estimated Rates of Healthcare Utilization

95% UCL/LCL indicates pointwise 95% upper and lower confidence limits for the mean rate of utilization

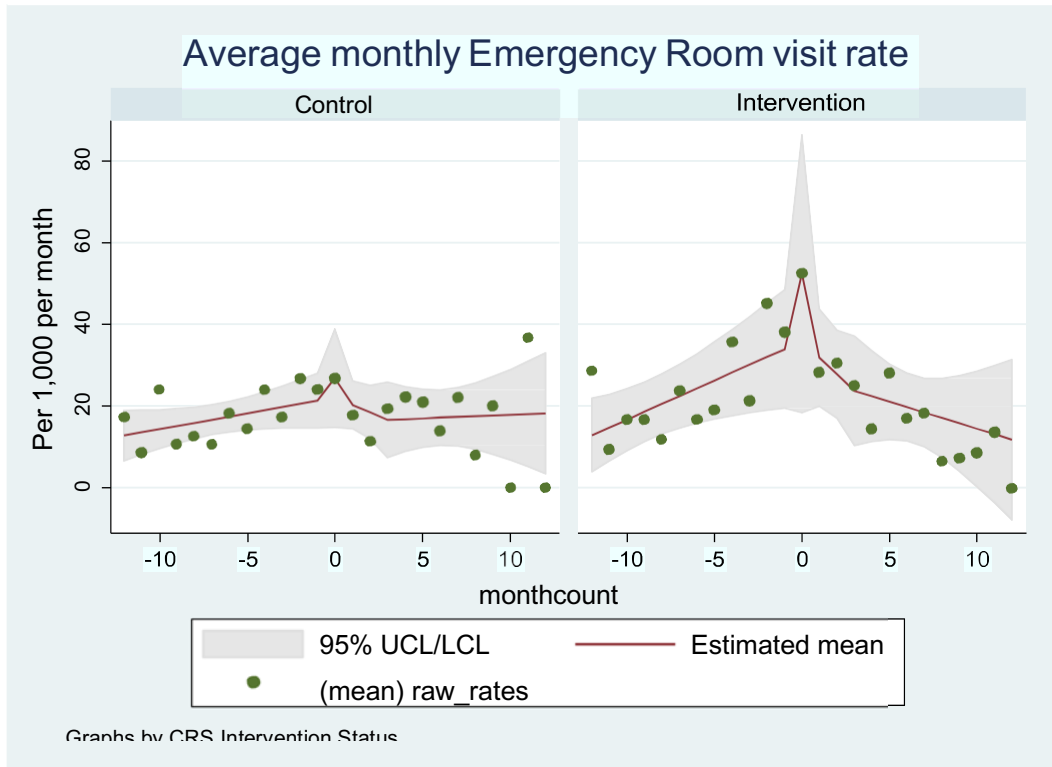
The models are formulated as this, with [Int] corresponding a binary flag, 1 for patients in CRS intervention clinics and 0 for controls, Time is in months, ranging from -12 to 12, with 0 corresponding to the date of the first CRS visit, or the matched date for the controls. Three linear splines were used to flexibly model the change in rates over time:  $TS_1 = \min(\text{time}, 0)$ ,  $TS_2 = \max(\min(\text{time}-3, 3), 0)$ ,  $TS_3 = \max(\min(\text{time}-6, 6), 0)$ . As we expect odd behavior at  $t=0$ , we include parameters to directly estimate the mean at that timepoint for both CRS patients and controls.

$$\begin{aligned} & \beta_0 + \beta_1 TS_1 + \beta_2 TS_2 + \beta_3 TS_3 + \beta_4 [\text{Int}] TS_1 + \beta_5 [\text{Int}] TS_2 + \beta_6 [\text{Int}] TS_3 + \beta_7 [I_{\text{time}=0}] \\ & + \beta_8 [\text{Int}] [I_{\text{time}=0}] \end{aligned}$$

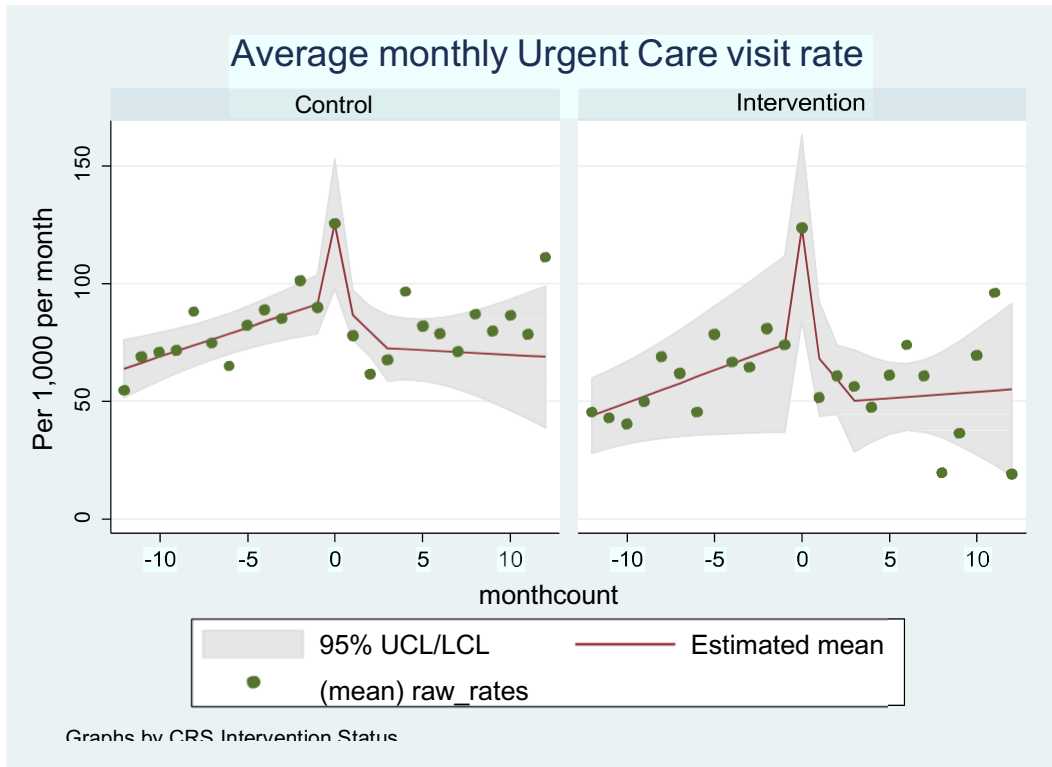
Tests for pre-intervention equivalence of change are Wald tests for  $\beta_1 = \beta_4$



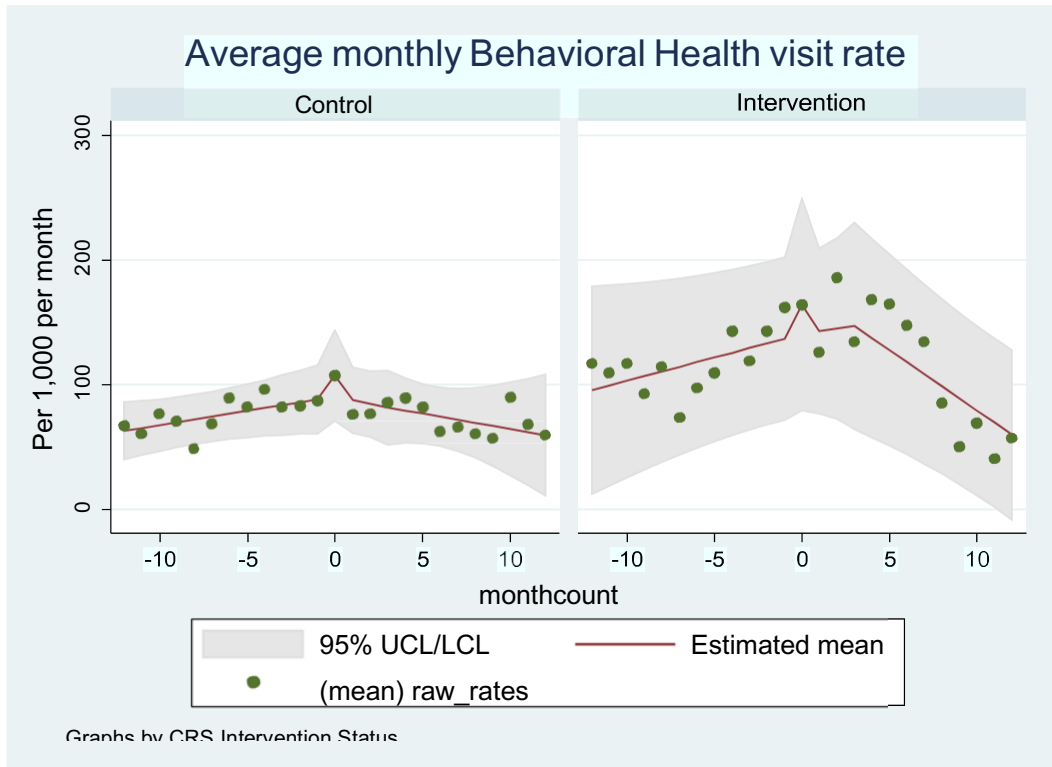
Test Test for pre-intervention equivalent change over time:  $p=0.435$



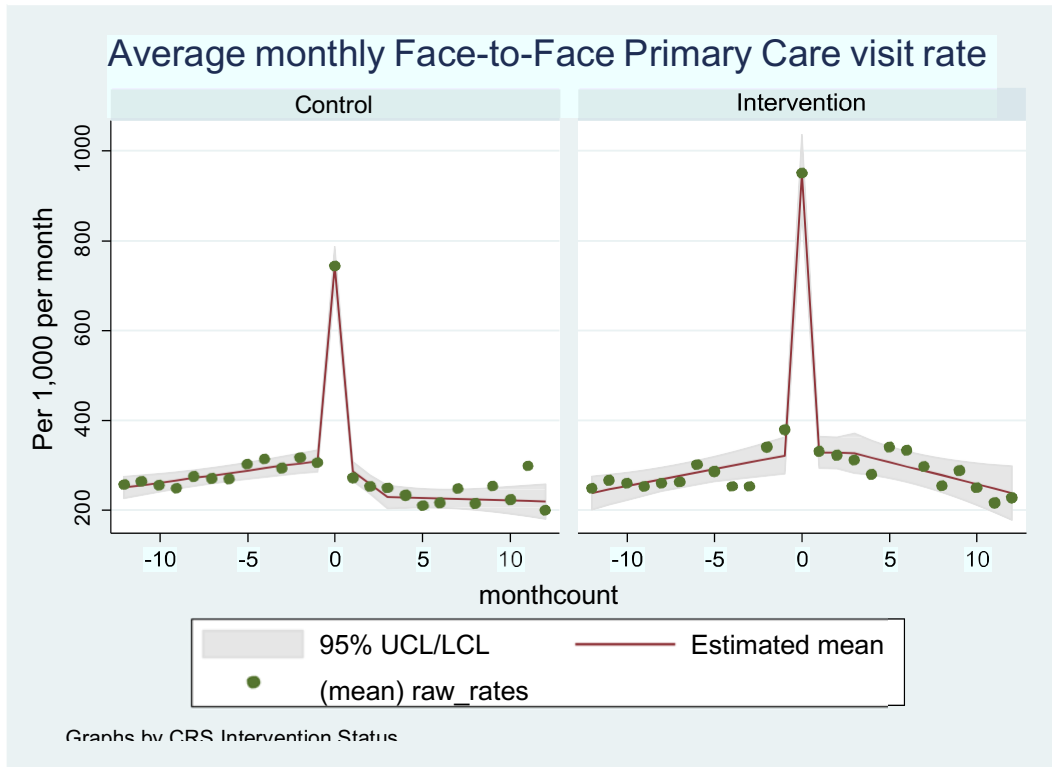
Test for pre-intervention equivalent change over time:  $p=0.237$



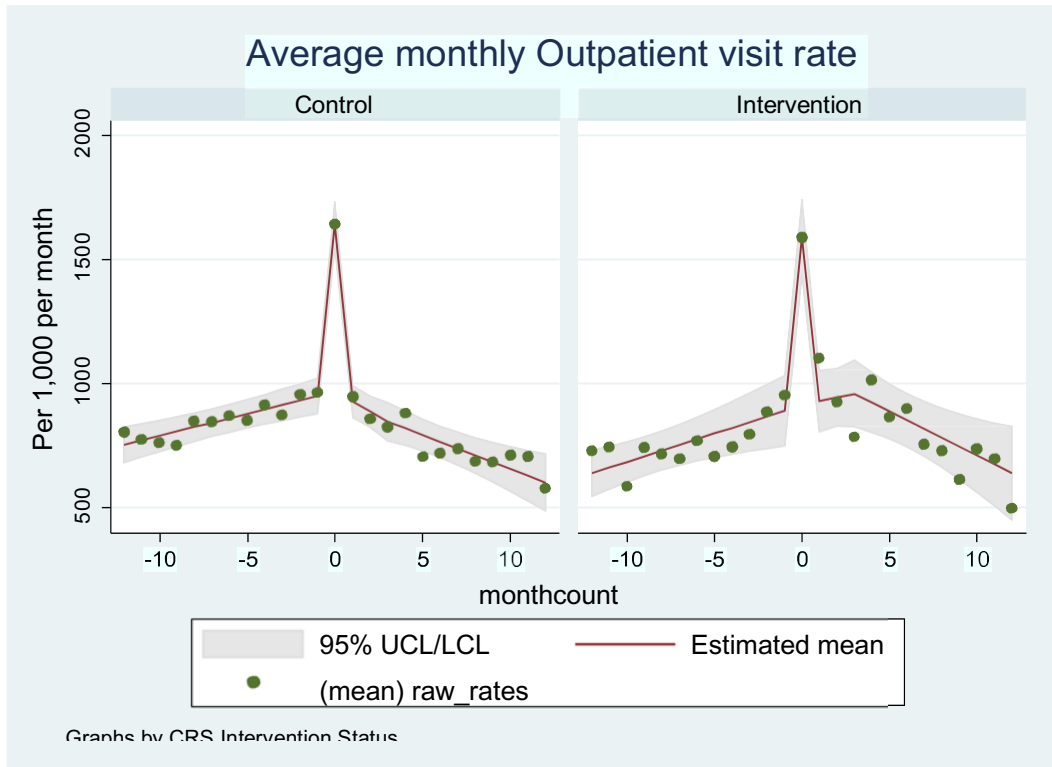
Test for pre-intervention equivalent change over time:  $p=0.877$



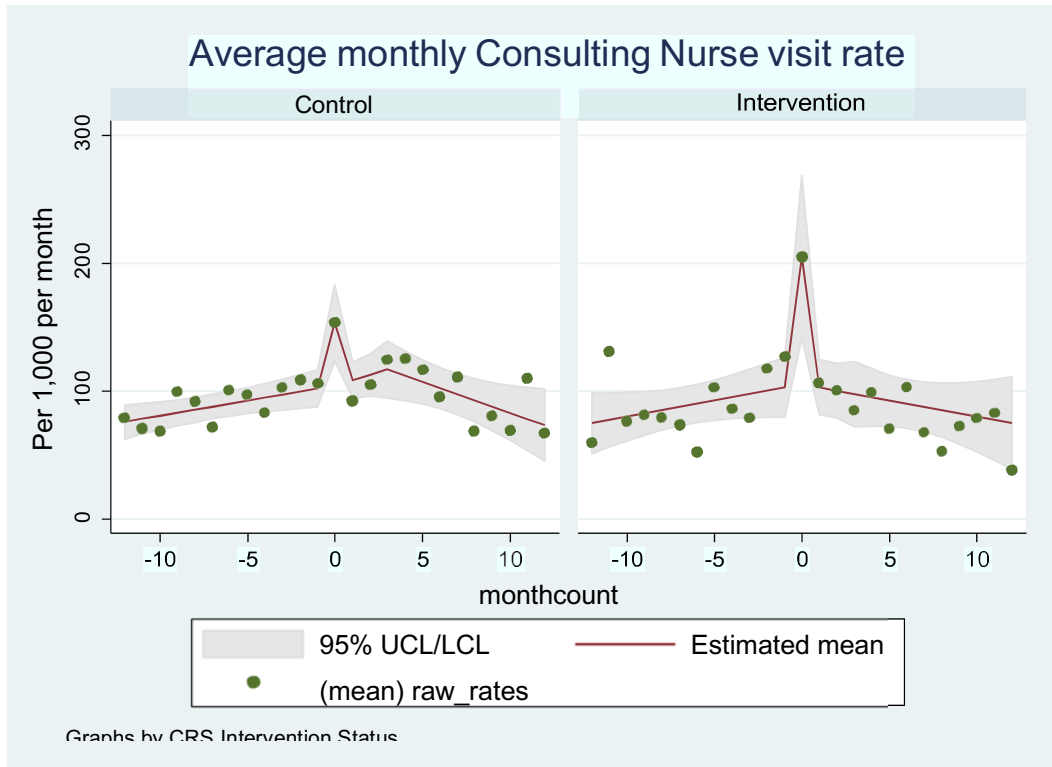
Test for pre-intervention equivalent change over time:  $p=0.608$



Test for pre-intervention equivalent change over time:  $p=0.484$

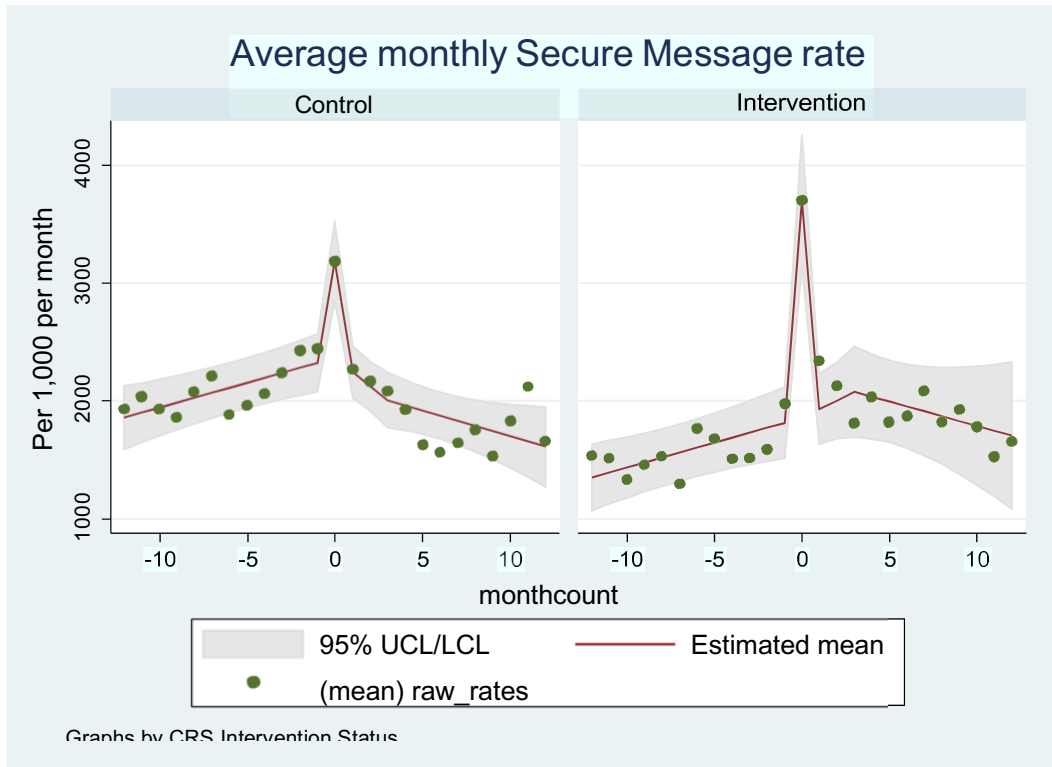


Test for pre-intervention equivalent change over time:  $p=0.573$

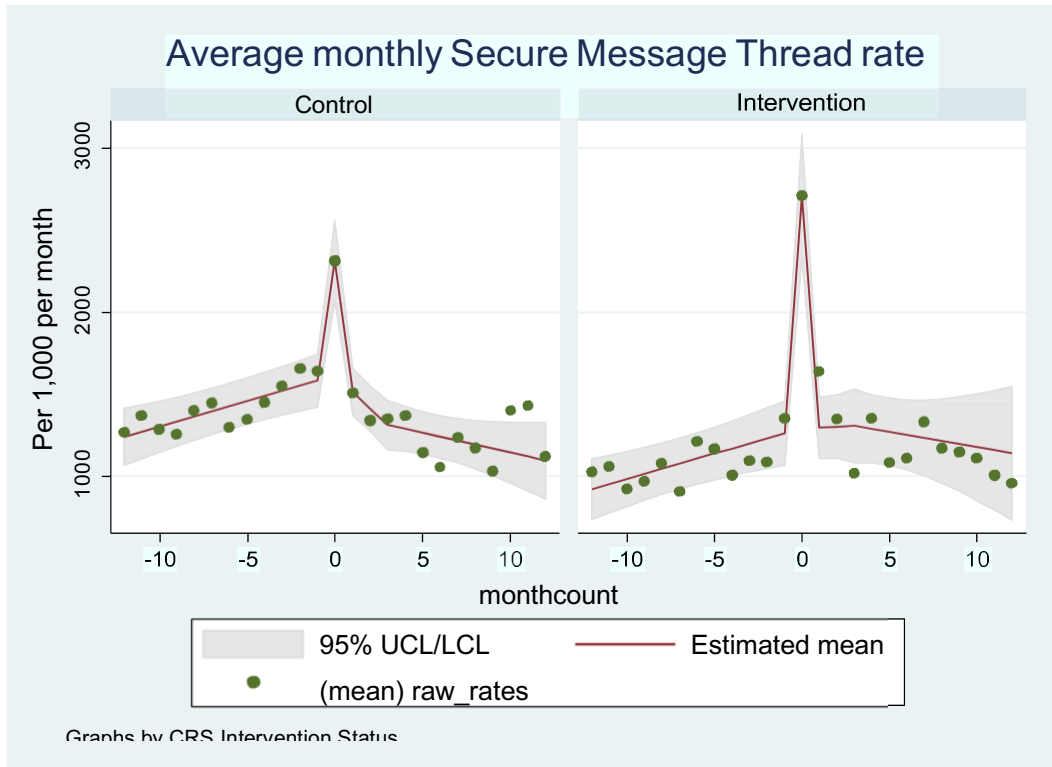


Test for pre-intervention equivalent change over time:  $p=0.916$

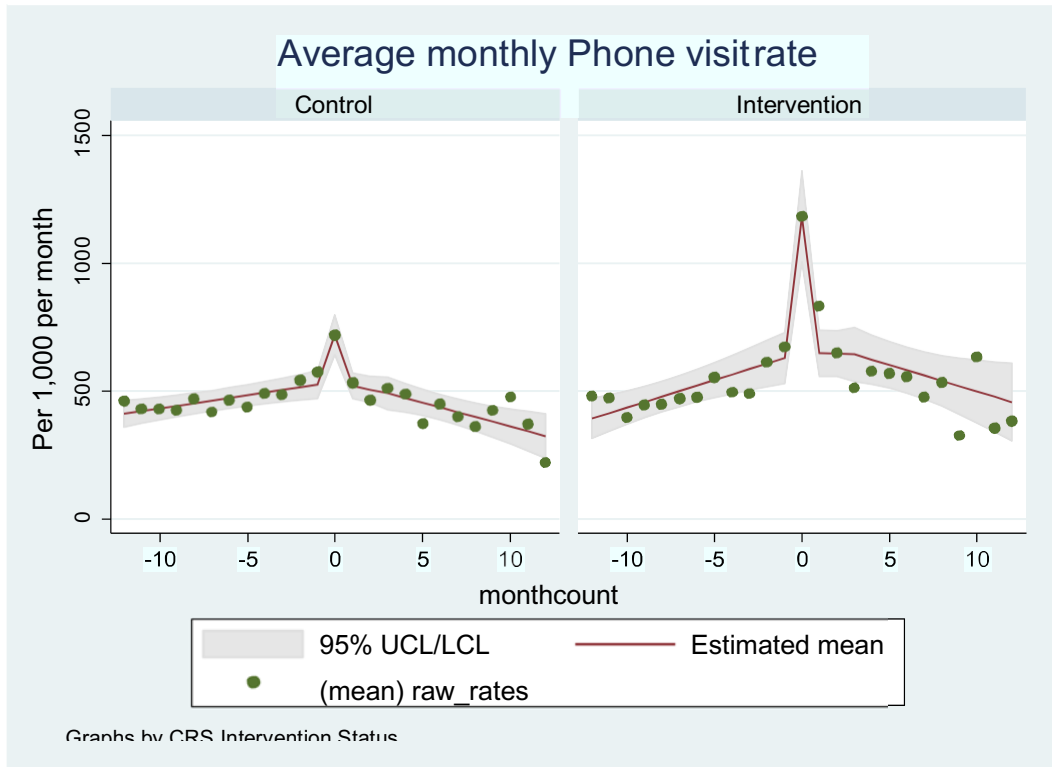




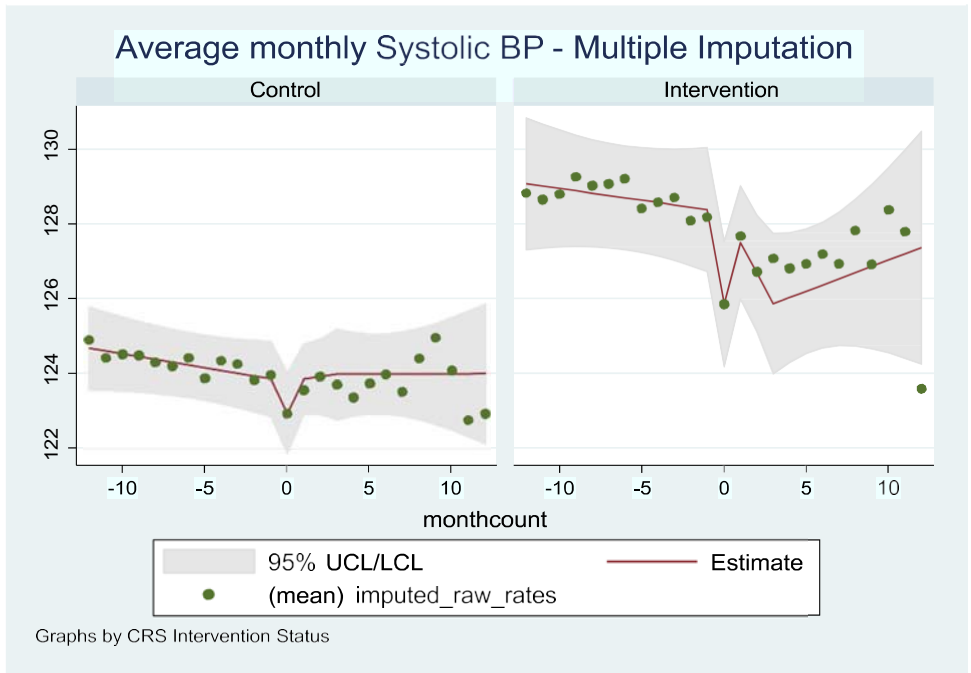
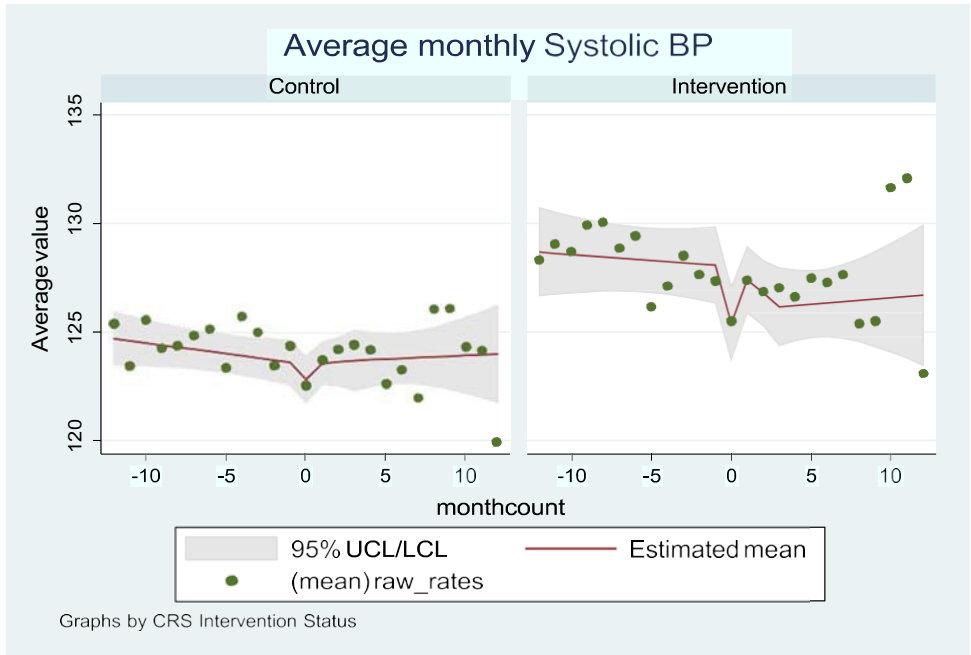
Test for pre-intervention equivalent change over time:  $p=0.989$



Test for pre-intervention equivalent change over time:  $p=0.994$

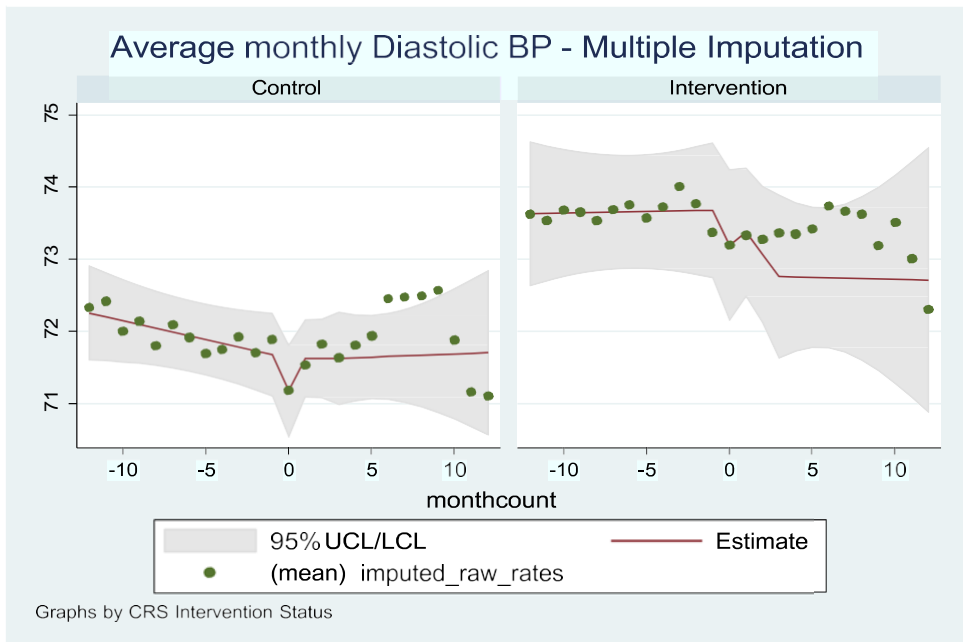
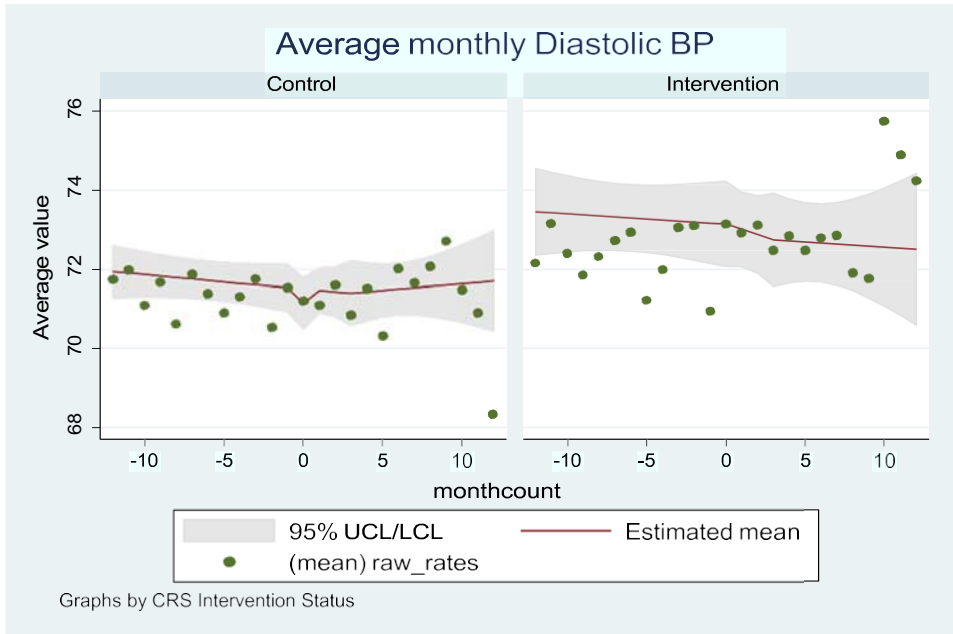


Test for pre-intervention equivalent change over time:  $p=0.101$



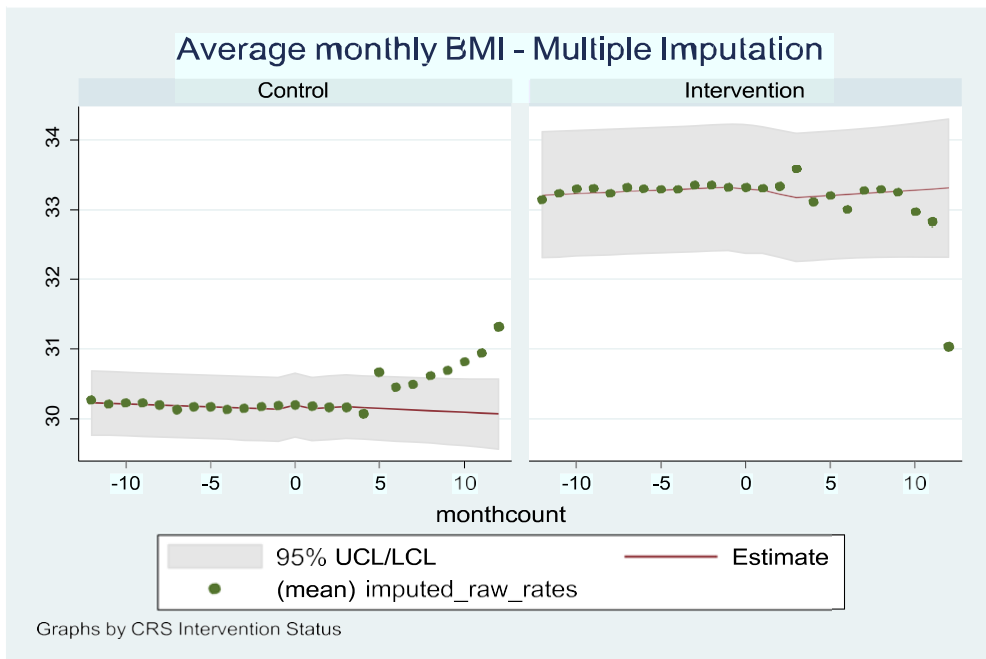
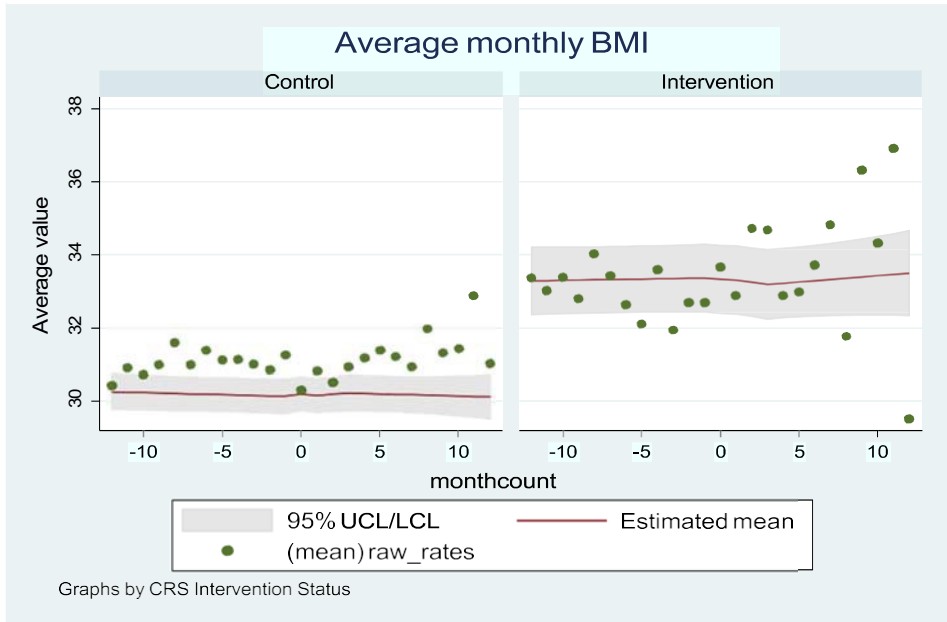
Test for pre-intervention equivalent change over time:  $p=0.913$

66% of Systolic BP monthly measures were missing.



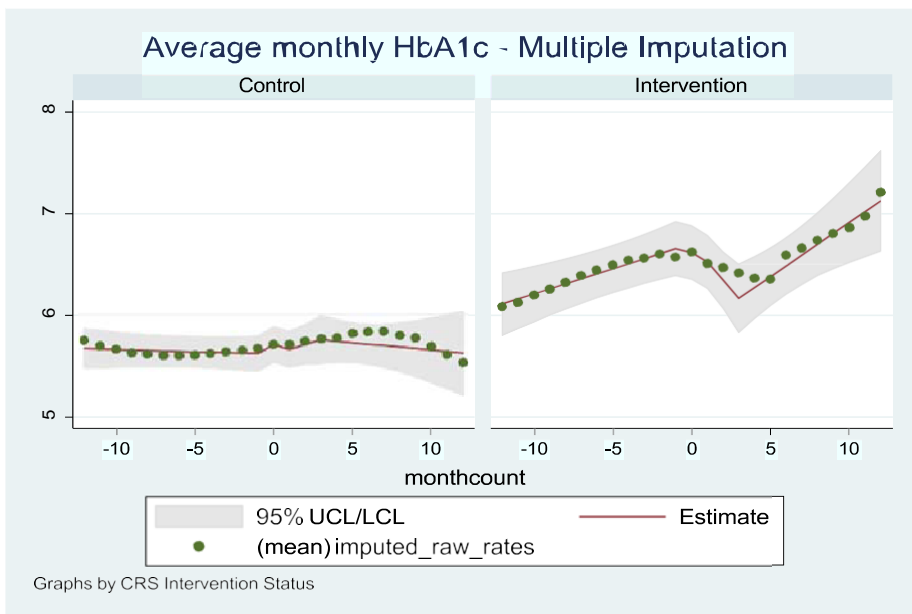
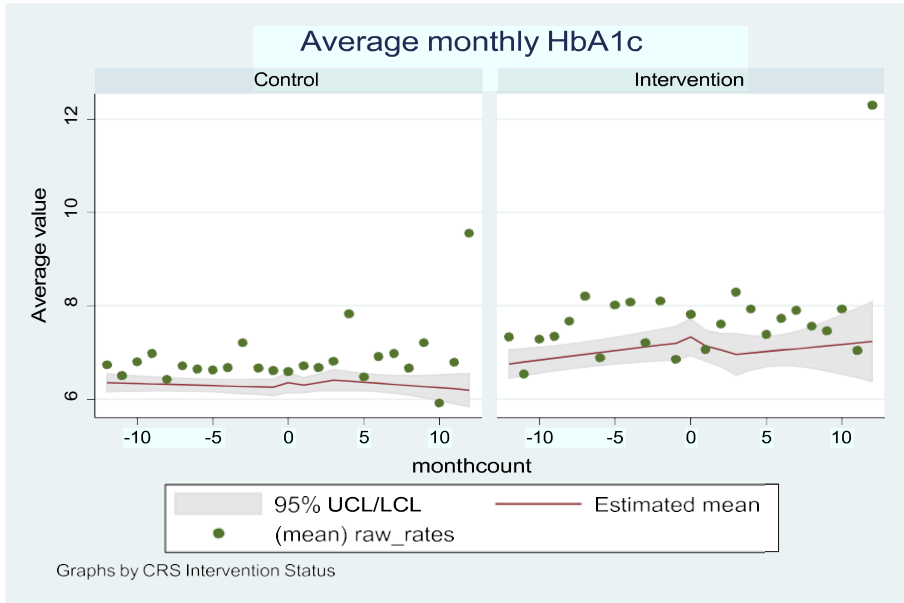
Test for pre-intervention equivalent change over time:  $p=0.367$

66% of Diastolic BP monthly measures were missing.



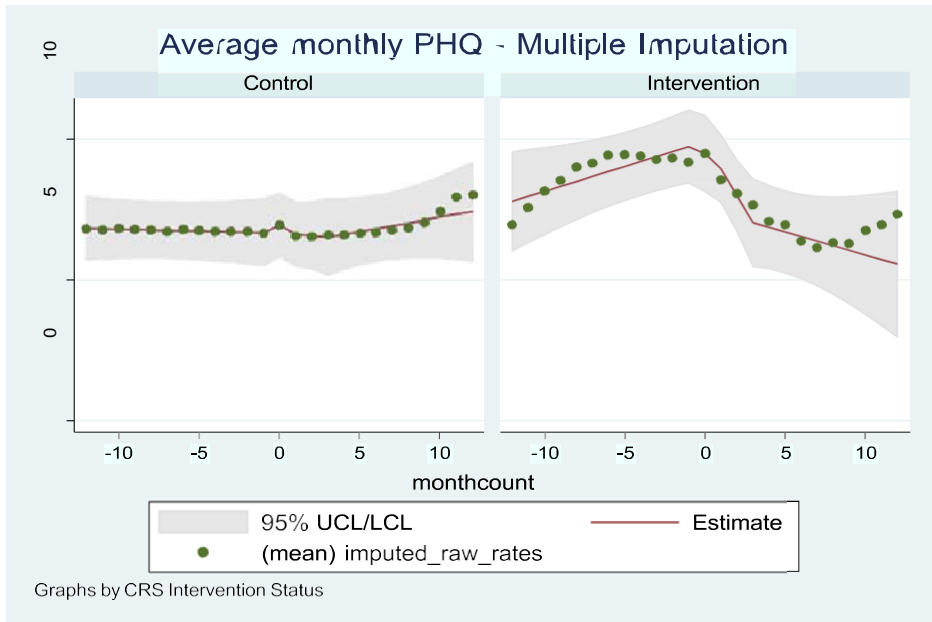
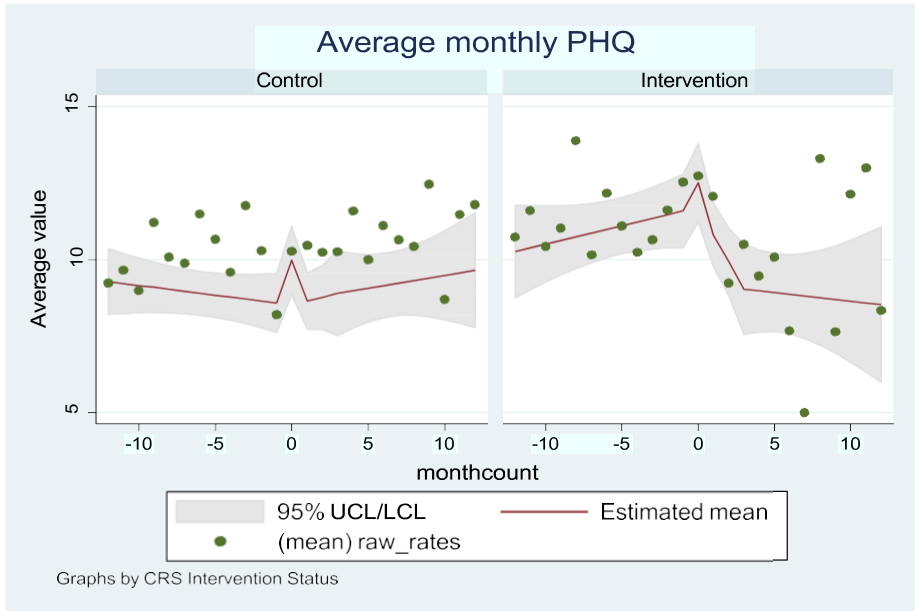
Test for pre-intervention equivalent change over time:  $p=0.130$

66% of BMI monthly measures were missing.



Test for pre-intervention equivalent change over time:  $p=0.003$

95% of HbA1c monthly measures were missing.



Test for pre-intervention equivalent change over time:  $p=0.072$

95% of PHQ monthly measures were missing.