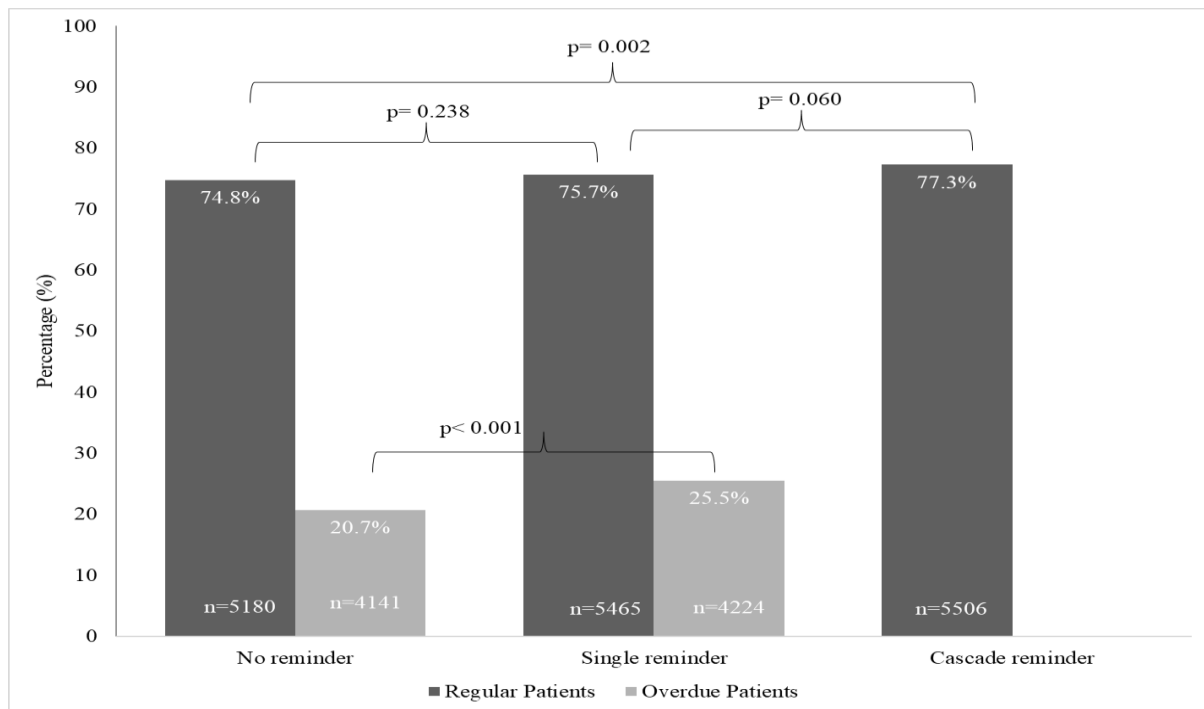


## Supplemental file:



## Appendix 1: Visit attendance by text message group including patients with failed messages

**Appendix 2: Visit attendance by text message reminder group including patients with failed messages, unadjusted and adjusted analyses**

|                     | <b>Regular patients</b>   |                          | <b>Overdue patients</b>   |                          |
|---------------------|---------------------------|--------------------------|---------------------------|--------------------------|
|                     | Unadjusted PR<br>(95% CI) | *Adjusted PR<br>(95% CI) | Unadjusted PR<br>(95% CI) | *Adjusted PR<br>(95% CI) |
| No reminder         | Reference (1)             | Reference (1)            | Reference (1)             | Reference (1)            |
| Single reminder     | 1.01 (0.99-1.04)          | 1.01 (0.99-1.03)         | 1.23 (1.14-1.33)          | 1.19 (1.11-1.28)         |
| Cascade<br>reminder | 1.03 (1.01-1.06)          | 1.03 (1.01-1.05)         | —                         | —                        |

Abbreviations: PR, prevalence ratio; CI, confidence interval;

[\* Adjusted for age, gender, geographic location, history of diabetes, kidney disease, heart attack, stroke, baseline-controlled BP, history of missed visits (defined as at least a three-month period without a visit in the past 12 months), time to last visit, and duration in care.]

**Appendix 3: Prevalence ratios and 95% confidence intervals for visit attendance by prespecified groups**

|                                    | Regular patients                    |                                    |                            | Overdue patients                   |                            |
|------------------------------------|-------------------------------------|------------------------------------|----------------------------|------------------------------------|----------------------------|
|                                    | Cascade reminder<br>vs. no reminder | Single reminder<br>vs. no reminder | P-value for<br>interaction | Single reminder<br>vs. no reminder | P-value for<br>interaction |
| <b>As treated</b>                  |                                     |                                    |                            |                                    |                            |
| <b>Age</b>                         |                                     |                                    |                            |                                    |                            |
| <median                            | 1.05 (1.02-1.08)                    | 1.04 (1.00-1.07)                   | 0.658                      | 0.92 (0.88-0.96)                   | 0.650                      |
| ≥ median                           | 1.04 (1.01-1.07)                    | 1.01 (0.98-1.04)                   |                            | 0.94 (0.91-0.96)                   |                            |
| <b>Sex</b>                         |                                     |                                    |                            |                                    |                            |
| Male                               | 1.06 (1.03-1.10)                    | 1.04 (1.01-1.08)                   | 0.283                      | 0.93 (0.89-0.97)                   | 0.598                      |
| Female                             | 1.04 (1.01-1.06)                    | 1.01 (0.99-1.04)                   |                            | 0.93 (0.90-0.95)                   |                            |
| <b>History of missed visit</b>     |                                     |                                    |                            |                                    |                            |
| Yes                                | 1.02 (0.95-1.09)                    | 1.01 (0.95-1.08)                   | 0.424                      | 0.95 (0.93-0.97)                   | 0.348                      |
| No                                 | 1.05 (1.02-1.07)                    | 1.03 (1.00-1.05)                   |                            | 0.90 (0.85-0.95)                   |                            |
| <b>Duration in care</b>            |                                     |                                    |                            |                                    |                            |
| <median                            | 1.06 (1.03-1.09)                    | 1.02 (0.99-1.06)                   | 0.519                      | 0.91 (0.87-0.94)                   | 0.544                      |
| ≥ median                           | 1.03 (1.00-1.06)                    | 1.03 (1.00-1.06)                   |                            | 0.95 (0.92-0.98)                   |                            |
| <b>Time to last visit</b>          |                                     |                                    |                            |                                    |                            |
| <median                            | 1.07 (1.03-1.11)                    | 1.03 (0.99-1.07)                   | 0.452                      | 0.90 (0.96-0.95)                   | 0.096                      |
| ≥ median                           | 1.03 (1.00-1.06)                    | 1.02 (1.00-1.05)                   |                            | 0.96 (0.94-0.98)                   |                            |
| <b>History of chronic diseases</b> |                                     |                                    |                            |                                    |                            |
| Yes                                | 1.02 (0.99-1.05)                    | 1.00 (0.97-1.04)                   | 0.474                      | 0.95 (0.90-1.00)                   | 0.146                      |
| No                                 | 1.06 (1.03-1.08)                    | 1.03 (1.00-1.06)                   |                            | 0.92 (0.90-0.95)                   |                            |

#### Appendix 4: Overdue patients, follow-up rate by days since last visit

|                                         | Single Notification                                                         |                                                 | No reminder                                                                 |                                                 |
|-----------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------|
| Days since last visit before enrollment | Number of participants with last visit before enrollment in each date range | Number (%) of participants with follow-up visit | Number of participants with last visit before enrollment in each date range | Number (%) of participants with follow-up visit |
| 35-90 days                              | 2378                                                                        | 915 (38.5)                                      | 2417                                                                        | 769 (31.8)                                      |
| 91-180 days                             | 702                                                                         | 86 (12.3)                                       | 785                                                                         | 63 (8.0)                                        |
| 181-365 days                            | 826                                                                         | 41 (5.0)                                        | 874                                                                         | 13 (1.5)                                        |
| p value                                 |                                                                             | <0.001                                          |                                                                             | <0.001                                          |