The HRM first fill intervention is an outreach program intended to prevent Medicare members from obtaining a second HRM fill in the calendar year. In 2015, we conducted the analysis on the contract level instead of the member level because a member level analysis would have required that each member enrolled had a separate HRM intervention. The overall study design was a difference-in-difference statistical analysis. We conducted the analysis with the total sum of the weights was 2,163,414. There were 26 clustered levels from the repeated measurement model.

### Methods

- **Background**
  - The STARmed HRM prevention program for contracts that participated in the intervention was compared to contracts that did not participate in the HRM intervention.
  - The model adjusted for intervention, time, plan type and percentage female in the contract population.
  - The study assessed the CMS HRM Star percentage measure for contracts that participated in the HRM intervention.
  - The intervention group decreased an unadjusted 1.3 percentage points more than the control group from 2014 to 2015. The reduction in overall HRM Star percentage was found among contracts with an average decrease of 1.04 percent (95 percent CI: 0.97 – 1.02).

- **Statistical Methods**
  - SAS v9.4 (Cary, NC, USA) was used for all analyses.
  - A difference-in-difference statistic was used for the comparison between the intervention and control groups.

- **Results**
  - The intervention was associated with a lower HRM Star percentage from 2014 to 2015 versus a concurrent control group that did not implement the same program.
  - The model adjusted for plan type and percentage female in the contract population.

### Limitations

- **Other HRM dissemination programs that occurred during these time periods may have impacted the results.**
- **In the difference-in-difference analysis, we did not adjust for plan type:**
- **The model did not account for differences in adherence rates.**
- **Although study limitations exist, most contracts had an overall HRM percentage of less than 10 percent.**
- **A prescriber plus member letter had a similarly associated impact on the improvement of the percentage HRM Star criteria met.**

### References