

# Updates to the Case-Mix Adjustment Approach for Publicly Reported CAHPS® Hospice Survey Results

This document highlights updates to the CAHPS Hospice Survey case-mix adjustment approach over time.

- In Q2 2017, CMS updated the CAHPS Hospice Survey case-mix adjustment model, simplifying categories and improving the precision of coefficients. The updates are as follows:
  - Payer for Hospice Care: categories 'Uninsured or no payer' and 'Other' were combined
  - Primary Diagnosis:
    - Category 'Other' was split into 'Other, Cancer' and 'Other, Non-cancer'
    - Categories 'Ovarian cancer' and 'Stomach cancer' were combined with 'Other, Cancer'
  - Caregiver Age: Three youngest age groups (18-24, 25-34, 35-44) were combined
  - Caregiver Relationship: Category 'Grandparent' was combined with 'Other'
  - Survey Language/Respondent's home language:
    - Chinese language (home and survey) was removed
    - Categories Spanish at home and Spanish survey language were combined
- In Q3 2017, CMS updated the calculation of the case-mix adjustment variable response percentile. It is now calculated by dividing lag time rank by quarterly sample size (rather than monthly sample size).