**SUPPORTING STATEMENT**

**Part B**

**Collection of Information for**

**Agency for Healthcare Research and Quality’s (AHRQ)**

**Consumer Assessment of Healthcare Providers and Systems (CAHPS)**

**Health Plan Survey Database**

**Version 10-30-2020**

Agency of Healthcare Research and Quality (AHRQ)

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# B. Collections of Information Employing Statistical Methods

## 1. Respondent Universe and Sampling Methods

**Universe of health plans and representativeness of the data.** While there are many survey vendors that collect Consumer Assessment of Healthcare Providers and Systems (CAHPS) Health Plan Survey data and may maintain a database of their own clients’ data, the Agency for Healthcare Research and Quality (AHRQ) is the only entity that serves as a comprehensive repository of CAHPS survey data. However, the CAHPS Health Plan Database is comprised of data that are voluntarily submitted by health plans that have administered the CAHPS Health Plan Survey and is not a statistically selected sample, nor is it a representative sample of all health plans in the U.S. Voluntary participants include public and private employers, State Medicaid agencies, State Children's Health Insurance Programs (SCHIP), the Centers for Medicare & Medicaid Services (CMS), individual health plans, and the Department of Defense. AHRQ collaborates with CMS and the National Committee for Quality Assurance (NCQA) to combine their CAHPS Health Plan Survey data with the CAHPS Health Plan Database.

The CAHPS Health Plan Survey Database is a voluntary, comprehensive database of CAHPS Health Plan Survey responses gathered directly from Medicaid plans and CMS. NCQA is the managed care plan accreditor and requires yearly CAHPS results for accreditation. Medicare conducts a yearly survey of all Medicare plans and provides the CAHPS Health Plan Database these results. Many Medicaid program health plans do not seek NCQA accreditation, but submit instead directly to the CAHPS Health Plan Database.

Because the organizations that voluntarily contribute data to the CAHPS Database are not from a statistically representative sample of all U.S. health plans, and a limited number of plans may choose to participate, the submitting organizations are not representative of all U.S. health plans or enrollee populations[[1]](#footnote-1). Estimates based on these voluntarily submitted data sets may produce biased estimates of the U.S. health plan and enrollee populations; it is not possible to compute estimates of precision from these data. In addition, the number and mix of sponsors contributing data vary slightly from year to year, and therefore comparisons over time should be made with these limitations and variations in mind. Comparisons of results across populations should also take into account that variations in benefit design and other factors might affect survey responses across populations.

Table B-1 presents the number of Medicaid, SCHIP, and Medicare survey respondents and health plan submissions included in the CAHPS Health Plan Database for 2017 and 2018. The number of health plan submissions is indicated in parentheses.

**Table B-1. Number of Survey Respondents and Health Plan Submissions: 2017 and 2018**

| **Year** | **Medicaid** | | **CHIP** | **Medicare** |
| --- | --- | --- | --- | --- |
| **(Version)** | **Adult** | **Child** | **Child** | **Adult** |
| 2018 (5.0) | 54,362 (146) | 79,736 (150) | 13,933 (25) | 190,838 (388) |
| 2017 (5.0) | 65,053 (152) | 103,283 (169) | 15,221 (23) | 194,916 (397) |

Medicaid Data: The 5.0 CAHPS Health Plan Survey results for the Medicaid sector were obtained from data submitted directly to the CAHPS Health Plan Database by State Medicaid agencies and individual health plans. The 2018 database consists of submissions from 36 states, of which a total of 19 Medicaid State Agencies submitted data, compared to 36 States, 18 of which were State Medicaid agencies in 2017. Medicaid results are based on survey data collected from October through June.

Medicare Data: Each year, the CAHPS Health Plan Database receives the CAHPS Medicare Managed Care survey data collected by the Centers for Medicare & Medicaid Services (CMS). CMS collected survey information from beneficiaries enrolled in managed care health plans that provide a prescription drug benefit. For 2018, 388 managed care plans participated in the survey. Survey participants included both enrollees receiving prescription drug coverage through their health plan and those that don’t receive prescription drug coverage through their health plan. Beneficiaries enrolled in traditional Medicare (Medicare fee-for-service) as well as fee-for-service enrollees who selected a prescription drug plan were also surveyed in 2018, but these data are not represented in the Chartbook. The results in the Chartbook include only beneficiaries who were enrolled in a managed care health plan. The Medicare Survey data are collected from March through June. The Medicare results presented in the CAHPS online reporting system may differ from other reports due to the inclusion or exclusion of certain beneficiary groups and/or the use of case-mix adjustment variables.

Tables B-2 and B-3 present the number of survey respondents and health plan submissions obtained for the 5.0 results within each major sector by State, including U.S. territories and the District of Columbia.

**Table B-2. 2018 Survey Respondents and Health Plan Submissions by State (5.0 Results)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **State** | **Medicaid Adult** | **Medicaid Child** | **CHIP** | **Medicare Adult** |
| Alabama | 515 | 592 | 885 | 2,532 |
| Arizona | - | - | - | 5,478 |
| Arkansas | - | - | 412 | 1,391 |
| California | 4,339 | 4,515 | - | 12,023 |
| Colorado | 584 | 412 | 1,953 | 2,528 |
| Connecticut | 389 | - | 1,677 | 1,715 |
| Delaware | 416 | 385 | - | - |
| District Of Columbia | 450 | 1,155 | - | - |
| Florida | 1,517 | 3,551 | - | 11,443 |
| Georgia | 650 | 1,393 |  | 4,193 |
| Hawaii | 2,503 | - | 603 | 2,172 |
| Idaho | - | - | - | 1,766 |
| Illinois | - | 2,462 | - | 3,878 |
| Indiana | 1,064 | 1,248 | - | 2,016 |
| Iowa | - | - | - | 837 |
| Kansas | 1,372 | 4,228 | 1,246 | - |
| Kentucky | 1,019 | 1,281 | 852 | 2,063 |
| Louisiana | 1,694 | 4,069 | - | 3,289 |
| Maine | - | - | - | 2,645 |
| Maryland | 2,689 | 7,986 | - | 2,394 |
| Massachusetts | - | - | - | 4,739 |
| Michigan | 5,168 | 4,066 | - | 9,791 |
| Minnesota | - | - | - | 4,880 |
| Mississippi | - | - | - | 1,738 |
| Missouri | - | - | - | 3,551 |
| Montana | - | - | - | 647 |
| Nebraska | - | - | - | 379 |
| Nevada | 282 | 576 | - | 2,619 |
| New Hampshire | 316 | 712 | - | 2,060 |
| New Jersey | 849 | 1,105 | 601 | 4,838 |
| New Mexico | 868 | 1,719 | - | 2,904 |
| New York | 6,950 | 1,679 | - | 13,953 |
| North Carolina | - | - | - | 4,005 |
| Ohio | 2,062 | 4,215 | - | 6,422 |
| Oklahoma | 475 | - | 426 | 2,477 |
| Oregon | 5,407 | 6,541 | - | 7,103 |
| Pennsylvania | 3,429 | 3,779 | 1,653 | 12,368 |
| Puerto Rico | - | - | - | 3,709 |
| Rhode Island | 893 | 1,368 | - | 1,010 |
| South Carolina | 828 | 1,926 | - | 1,210 |
| Tennessee | 1,226 | 3,225 | - | 4,504 |
| Texas | 1,440 | 5,826 | 1,849 | 12,209 |
| Utah | 864 | 2,133 | 459 | 3,493 |
| Vermont | 497 | 4,65 | - | - |
| Virginia | 1,456 | 2,854 | 805 | 1,686 |
| Washington | 1,028 | 2,947 | 512 | 6,441 |
| West Virginia | 474 | 552 | - | 1,055 |
| Wisconsin | 649 | 771 | - | 8,684 |
| Total | 54,362 | 79,736 | 13,933 | 190,838 |

**Table B-3. 2017 Survey Respondents and Health Plan Submissions by State (5.0 Results)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **State** | **Medicaid Adult** | **Medicaid Child** | **CHIP** | **Medicare Adult** |
| Alabama | 446 | 445 | 922 | 1,857 |
| Arizona | - | - | - | 4,293 |
| Arkansas | 410 | 404 | 479 | 2,107 |
| California | 3,752 | 5,116 | - | 13,440 |
| Colorado | 613 | 364 | 2,412 | 3,256 |
| Connecticut | - | - | - | 2,350 |
| Delaware | 584 | 421 | - | - |
| District Of Columbia | 790 | 2,312 | - | - |
| Florida | 1,723 | 4,083 | - | 10,514 |
| Georgia | 1,387 | 2,847 | - | 5,076 |
| Hawaii | 652 | 2,510 | 659 | 3,006 |
| Idaho | - | - | - | 2,140 |
| Illinois | 1,591 | 4,131 | - | 4,451 |
| Indiana | 3,320 | 3,336 | - | 4,420 |
| Iowa | - | - | - | 1,286 |
| Kansas | 1,590 | 4,684 | 1,294 | - |
| Kentucky | 1,619 | 1,806 | 1,226 | 2,385 |
| Louisiana | 1,692 | 2,885 | 1,416 | 2,947 |
| Maine | - | - | - | 2,878 |
| Maryland | 4,895 | 9,952 | - | 2,361 |
| Massachusetts | 1,931 | 314 | - | 5,861 |
| Michigan | 5,937 | 4,881 | - | 6,007 |
| Minnesota | 5,093 | - | - | 4,481 |
| Mississippi | - | - | - | 602 |
| Missouri | - | 1,439 | - | 3,192 |
| Montana | - | - | - | 663 |
| Nebraska | - | - | - | 653 |
| Nevada | 481 | 1,274 | - | 3,021 |
| New Hampshire | 374 | 926 | - | 1,972 |
| New Jersey | 1,353 | 1,583 | 758 | 2,882 |
| New Mexico | 1,300 | 2,606 | - | 2,498 |
| New York | 2,260 | 8,974 | - | 15,264 |
| North Carolina | - | - | - | 2,601 |
| Ohio | 2,372 | 4,688 | - | 6,661 |
| Oklahoma | - | - | 501 | 2,945 |
| Oregon | 4,906 | 5,149 | - | 8,424 |
| Pennsylvania | 3,771 | 4,365 | 1,817 | 13,777 |
| Puerto Rico | - | - | - | 4,524 |
| Rhode Island | 1,050 | 1,274 | - | 972 |
| South Carolina | 1,160 | 2,712 | - | 1,803 |
| Tennessee | 1,045 | 2,791 | - | 4,576 |
| Texas | 1,387 | 3,154 | 1,491 | 11,630 |
| Utah | - | - | - | 3,031 |
| Vermont | - | - | - | - |
| Virginia | 1,971 | 3,091 | 908 | 2,614 |
| Washington | 1,793 | 6,195 | 1,338 | 6,730 |
| West Virginia | 1,111 | 1,273 | - | 1,112 |
| Wisconsin | 694 | 1,298 | - | 7,653 |
| Total | 65,053 | 103,283 | 15,221 | 194,916 |

The CAHPS Health Plan Database currently contains 20 years of data from the CAHPS Health Plan Survey. Table B-4 shows data submissions to the CAHPS Database from 1998 to 2018. The total number of respondents is presented by population sector, with the number of health plan submissions given in parentheses.

**Table B-4. Data Submissions to the CAHPS Health Plan Database From 1998-2018**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Year (CAHPS Version)** | **Commercial** | | **Medicaid** | | **CHIP** | **Medicare** |
| **Adult** | **Child** | **Adult** | **Child** | **Child** | **Adult** |
| 2018 (5.0) | N/A2 | N/A | 54,362  (146) | 79,736  (150) | 13,933  (25) | 190,838  (388) |
| 2017 (5.0) | N/A2 | N/A | 65,053  (152) | 103,283  (169) | 15,221  (23) | 194,916  (397) |
| 2016 (5.0) | N/A2 | N/A | 73,155  (157) | 79,058  (132) | 14,999  (21) | 147,908  (382) |
| 2015 (5.0) | N/A | N/A | 61,369 (133) | 91,049 (136) | 13,466  (19) | 155,095 (431) |
| 2014 (5.0) | N/A | N/A | 68,234 (149) | 60,153 (100) | 11,762  (15) | 195,748 (443) |
| 2013 (5.0) | N/A | N/A | 60,249  (124) | 66,804  (105) | 9,149  (12) | 198,350 (451) |
| 2011 (4.0) | 168,341 (376) | 900 (1) | 73,820 (148) | 85,003 (129) | 26,232  (41) | 163,182 (445) |
| 2010 (4.0) | 139,156 (288) | 1,474 (2) | 97,626 (132) | 88,694 (132) | N/A | 221,120 (431) |
| 2009 (4.0) | 179,528 (405) | 751 (2) | 63,391 (126) | 68,697 (107) | N/A | 206,647 (405) |
| 2008 (4.0) | 174,307  (410) | 0  (0) | 59,840  (120) | 9,755  (29) | 0  (0) | 207,366  (343) |
| 2008 (3.0) | 0  (0) | 1,882  (4) | 0  (0) | 37,347  (64) | 0  (0) | 0  (0) |
| 2007 (4.0) | 106,811  (239) | 0  (0) | 45,979  (109) | 4,647  (16) | 0  (0) | 115,910  (296) |
| 2007 (3.0) | 0  (0) | 1,659  (4) | 0  (0) | 64,039  (103) | 0  (0) | 0  (0) |
| 2006 (3.0) | 124,585  (271) | 2,400  (7) | 43,174  (119) | 50,204  (95) | 9,303  (30) | 97,955  (273) |
| 2005 (3.0) | 123,272  (254) | 2,661  (4) | 32,115  (76) | 40,204  (65) | 1,252  (3) | 127,930  (276) |
| 2004 (3.0) | 111,680 (223) | 7,024  (12) | 59,515  (149) | 86,159  (128) | 16,657  (29) | 132,420  (288) |
| 2003 (3.0) | 114,063 (216) | 1,866 (4) | 39,275 (112) | 31,081 (69) | 19,061 (49) | 141,421 (295) |
| 2002 (2.0) | 94,546 (219) | 5,600 (10) | 48,109 (136) | 60,534 (122) | 18,910 (43) | 153,172 (321) |
| 2001 (2.0) | 165,500 (266) | 9,913 (24) | 45,127 (142) | 36,940 (124) | 0 (0) | 179,451 (381) |
| 2000 (2.0) | 135,479 (270) | 2,760 (8) | 49,327 (156) | 41,400 (140) | 0 (0) | 166,072 (367) |
| 1999 (2.0) | 168,234  (307) | 42,879  (149) | 28,420  (77) | 14,106  (66) | 0  (0) | 0  (0) |
| 1998 (1.0) | 34,965  (54) | 0  (0) | 23,519  (31) | 9,871  (33) | 0  (0) | 0  (0) |
| **TOTALS** | **1,840,467** | **81,769** | **1,091,659** | **1,208,764** | **169,945** | **2,995,501** |

Most of the CAHPS Health Plan Survey questions ask respondents to report on their experiences with different aspects of their care. These reporting questions are combined into groups that address the same aspect of care or service to arrive at a broader assessment. The 5.0 version of the CAHPS Adult and Child Health Plan Surveys reporting questions fall into four major “composites” that summarize consumer experiences in the following areas: 1) Getting needed care, 2) Getting care quickly, 3) How well doctors communicate, and 4) Health plan information & customer service.

The CAHPS Health Plan Survey collects four separate global ratings to distinguish between important aspects of care. The four questions ask plan enrollees to rate their experiences in the past 6 months with: 1) their personal doctor, 2) the specialist they saw most often, 3) health care received from all doctors and, 4) their health plan. Ratings are scored on a 0 to 10 scale, where 0 is the “worst possible” and 10 is the “best possible.” The ratings are analyzed and presented in the three-part bar chart display used in the CAHPS Health Plan Survey reports: the percentage of respondents who gave a rating of either 0-6, 7-8, or 9-10. This three-part scale is used because testing by the CAHPS team determined that these cut-points improve the ability to discriminate among plans while simplifying the presentation of results.

**Case-Mix Adjustment**. Case-mix refers to the respondents’ health status and other socio-demographic characteristics that have been shown to affect enrollee reports and ratings of health plans. Characteristics used to case-mix adjust CAHPS Health Plan scores, where applicable, are respondent age, education, and self-reported physical and mental health status.

**Testing for Statistical Differences.** The individual participant’s comparative reports test for statistically significant differences between mean scores and ratings of individual health plans and the mean of all plan means in the CAHPS Health Plan Database using the t-test. A significance level of 0.05 or less is considered statistically significant. As described in the previous sections, the mean scores are adjusted for case-mix differences before the statistical tests are applied. To compute the means, reports and rating responses are grouped into three categories and assigned a score of 1, 2, or 3. Then, significance tests for both the reports and ratings are conducted on the mean scores. Individual plan results that differ significantly from the overall mean are denoted by arrows, either pointing up (significantly higher than the overall mean) or down (significantly lower than the overall mean).

## 2. Information Collection Procedures

Information collection for the AHRQ CAHPS Health Plan Survey Database occurs in a regular data collection cycle each year in June/July. The information collection procedure for submitting and processing data for the database is shown in Figure B-1. Each of the steps is described below. Screen shots of each step are provided in Attachment E.

**Figure B-1. CAHPS Health Plan Database Data Submission Process**

**Step 1.**

Call for Data Submission

**Step 2.**

Complete Registration Form

**Step 3.**

Complete Health Plan Information Form

**Step 4.**

Upload Data Use Agreement

**Step 5.**

Upload Questionnaire

**Step 6.**

Upload Data File(s)

**Step 7.**

Account Status

CAHPS Database Review and Approval of Questionnaire

CAHPS Database Email Notification to Registrant

CAHPS Database Review and Approval of Data File

Email Notification of Final CAHPS Database Approval

CAHPS Database Send Email Notification to Registrant

CAHPS Database Account Review for Approval

**Step 1: Call for Data Submission.** State Medicaid agencies and health plans that have administered the CAHPS Health Plan survey are recruited through multiple outlets and asked to submit to the database. The call for data submission is done through various publicity sources such as AHRQ’s electronic newsletters, GovDelivery messages, and communication with prior year’s participants. Organizations that have administered the Health Plan Survey and are interested in participating in the CAHPS Health Plan Database communicate with Westat through a dedicated email address ([CAHPSDatabase@westat.com](mailto:NCBD1@ahrq.gov)) that routes directly to Westat and a toll-free phone number (1-888-808-7108) to indicate their interest in participation.

**Step 2: Complete Registration Form.** A database submission extranet has been set up so that interested parties such as, state Medicaid agencies, coalitions, vendors, and health plans register for the data submission process. Information about eligibility requirements, benefits of participation, data use agreement, and data file specifications regarding how to prepare their data file for inclusion in the CAHPS Health Plan Database are posted on the extranet. The data file specifications ensure that data files received from users are standardized and consistent in the way variables are coded and formatted. Potential participants’ online registration information will be reviewed by Westat staff. Upon approval of the registrant, an automated email that contains a username and password to the data submission extranet is sent to the registered user. The automatic email informs registrants of the information needed in the next steps of the data submission process.

**Step 3: Complete Health Plan Information Form.** This step requires each health plan that administered the CAHPS Health Plan survey, submit the requested characteristics including such details as the name of the plan, product type (e.g., HMO, PPO), the population surveyed (e.g., adult Medicaid, child Medicaid) and plan state.

**Step 4: Upload Data Use Agreement.** To protect the confidentiality of all respondents and entities that are included in any CAHPS Database, all participating institutions must sign a data use agreement (DUA) that has been reviewed and approved by AHRQ. The data use agreement specifies how the submitted data will be used, provides assurance that the identity of the participating institution will be protected and ensures the confidentiality of the data. Data are not included in the database without this signed data use agreement. Users must upload a copy of the signed agreement. Data collection vendors may not sign and submit the DUA on behalf of an institution (even if they have been given permission by the entity to handle the actual submission of data). Only a duly appointed representative may sign the DUA.

**Step 5: Upload Questionnaire.** Each health plan must upload a copy of the questionnaire used. The CAHPS Database reviews the questionnaire to ensure that it meets [CAHPS Health Plan Survey standards](https://www.cahps.ahrq.gov/content/NCBD/HP/NCBD_HP_Standards.asp?p=105&s=52) (the survey instrument must include all core questions, not alter the wording of any core questions, and must not omit any of the survey items related to respondent characteristics that are used for case mix adjustment.) Once the questionnaire is reviewed by CAHPS Database staff, an email notification is sent to the registrant within three business days with an approval or rejection. Only health plans that receive questionnaire approval may submit data files.

**Step 6: Secure Online Data Submission.** To enable participants to transmit their CAHPS survey data to Westat in a secure manner, an online data submission extranet has been developed. The online system will be expanded and adapted to include data submission for all CAHPS surveys. Data are accepted in csv format. Data files must conform to the Data File Layout Specifications provide by the CAHPS Database. Since the unit of analysis is at the health plan level, users must upload one data file per health plan.

**Data File Approval.** Once a data file is successfully uploaded, a separate load program developed in Visual Basic (VB) reads the submitted files and loads them into the SQL database that stores the data. Upon submission, a data file status report is produced and made available to the participant. This report displays item frequencies and flags out-of-range values. If there are any out of range values or problems with the data file the submitter may review the Data File Status Report for further detail. Participants are expected to fix any errors and resubmit their data file(s) for processing. If the data have been properly received, a CAHPS Database staff member then reviews the report to conduct data quality checks. If any data problems are discovered, users will be notified immediately along with a description of the problem. If there are no problems with the data file the CAHPS Database staff review all aspects of the submission for an account final approval status and an email will be sent to the participant contact via the database submission extranet indicating their data will be included in the CAHPS Health Plan Database.

**Step 7: Account Status.** Participants have the opportunity to check the status of their account at any time during the submission process. Only accounts that receive the CAHPS Database Final Approval status will be included in the CAHPS Health Plan Database.

## 3. Methods to Maximize Response Rates

AHRQ promotes the voluntary participation in the CAHPS Health Plan Survey Database using several methods to different target audiences. We continually conduct general marketing through existing CAHPS channels and targeted outreach to existing and previous health plan participants. The CAHPS Database staff also contact national quality initiatives to promote the Database and have sought data partners that result in the yearly data contributions from NCQA and CMS.

Ongoing general marketing includes:

* **CAHPS Database Web Site:** Announcements regarding data submission and reporting timetables;
* **CAHPS Database Annual Report and Related Press Release(s):** Announcements for release of Annual Report that includes CAHPS Database contact information for plans and purchasers interested in participating; and
* **AHRQ Web Site:** Brief summary of CAHPS Database products and benefits of participation, with link to the CAHPS Database website.
* **GovDelivery Messages:** Send GovDelivery messages to participants who signed up for CAHPS News and Events.

In addition to the direct contact of health plans themselves, the CAHPS Database staff contact many national leaders and programs and direct them to the annual chartbook and references to the AHRQ National Healthcare Quality and National Healthcare Disparities Reports. These organizations and programs often cite and use CAHPS Database information. These include:

**National Quality Initiatives**National Forum on Health Care Quality Measurement and Reporting (board members)  
Quality Interagency Coordinating Committee (e.g., federalν agencies such as HHS, Labor, Defense, Veterans Affairs, Federal Trade Commission, etc.)  
Institute of Medicine Quality of Health Care in America Project  
  
**Federal and State Health Policy Leaders**Appropriate Federal and State Agency Administrators (including public health)  
Federal and State Congressional Staffs  
National Governors Association  
National Conference of State Legislatures  
National Association of Health Data Organizations  
National Association for State Health Policy  
State Medicaid Directors Association  
  
**Consumer Advocacy Groups**American Association of Retired Persons  
Consumer Coalition for Quality Health Care  
Families USA  
Family Voices  
  
**Business Leaders on Health**National Business Coalition on Health  
Managed Health Care Association  
Leapfrog Group  
Washington Business Group on Health  
Midwest Business Group on Health  
National Health Care Purchasers Institute

**Health Care Industry Leaders**American Association of Health Plans  
Health Insurance Association of America  
American Health Quality Association  
National Association of Insurance Commissioners  
  
**CAHPS Users and Researchers**CAHPS Database Advisory Group and Participants  
CAHPS Survey Users Network (SUN)  
CAHPS Consortium  
CAHPS Advisory Committee  
Medicare Managed Care CAHPS Technical Expert Panel  
Medicare Health Outcomes Study Technical Expert Panel  
  
**Health Policy and Health Services Researchers**Grant Makers in Health  
Academy for Health Services Research and Health Policy

## 4. Tests of Procedures

The CAHPS Database staff talks with submitters about their experience and use their feedback to improve the collection process.

## 5. Statistical Consultants

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1. The Medicare results are based on a representative sample of all Medicare Advantage health plans. [↑](#footnote-ref-1)