340B Characteristics Nonresponse Bias Report (CMS-10709; 0938-1374)

HOSPITAL CHARACTERISTICS ANALYIS

We are providing this nonresponse bias report to the Office of Information and Regulatory Affairs (OIRA) prior to our utilization of the 340B drug acquisition cost data for future publications, including rulemaking, consistent with OIRA's terms of clearance of approval for the 340B survey. While OIRA used the term "nonresponse bias" we note that the survey was designed such that lack of an affirmative response to the survey in whole or in part would lead CMS to use the 340B ceiling price as a proxy for the acquisition costs of applicable drugs.

The content of this report describes the scope and characteristics of the responding hospitals such as bed count, teaching hospital status, hospital type, and geographic locality type, as well as any limitations in the generalizability of the information collected, in any publications and documents utilizing this data.

This report summarizes the survey responses by stratifying by several hospital and geographic characteristics including: bed count, teaching hospital status, hospital type, and geographic locality type. We analyzed which hospitals completed the detailed survey, opted for the quick survey, or did not respond at all.

Following the OPPS rate changes in January 2018 for drugs acquired under the 340B Drug Pricing Program and litigation brought by certain hospitals, CMS began re-evaluating the average hospital acquisition costs for 340B-acquired specified outpatient drugs and whether the agency could gather such information via a survey. To do this, a survey on acquisition drug costs was administered to 340B covered entity hospitals with the aim of using the data to ascertain these costs. CMS administered the survey to 1,422 340B entities between April 24th and May 15th, 2020. There were two survey options available to responders:

- **Detailed Survey:** Hospitals that completed the detailed survey were required to provide their average acquisition costs for each individual specified covered outpatient drug.
- Quick Survey: Hospitals that completed the quick survey opted for CMS to use the HRSA 340B ceiling prices to be reflective of their own acquisition costs.

DESCRIPTIVE STATISTICS SUMMARY

Out of the 1,422 340B covered entity hospitals that were surveyed, 100 (7.0%) completed the detailed survey, 780 (54.9%) completed the quick survey, and 542 (38.1%) did not respond. Thirty-three percent of the detailed survey responders, 25.6 percent of the quick survey responders, and 34.3 percent of the non-responders had a bed count of less than 99 beds.

Table 1.

| | 340B Hospitals Surveyed | Detailed Survey Responses | Quick Survey Responses | No Response |
|---------|-------------------------------|---------------------------------|------------------------------|----------------|
| Count | 1422 | 100 | 780 | 542 |
| Percent | 100.0% | 7.0% | 54.9% | 38.1% |

In the aggregate population of 340B hospitals, 51.3 percent are teaching hospitals and 45.5 percent are non-teaching. Fifty-two percent of the detailed survey responders, 55.5 percent of the quick survey

responders, and 45.0 percent of the non-responders were teaching hospitals. A full listing of this information is included in Appendix A.

The majority (79.0%) of 340B covered entity hospitals that were surveyed are disproportionate share (DSH) hospitals. Of the detailed responders, 67.0 percent were DSH hospitals, 23.0 percent were sole community hospitals (SCH), 8.0 percent were rural referral center (RRC) hospitals, and 1.0 percent were children's hospitals. Of the quick responders, 80.3 percent were DSH, 9.5 percent were SCH, and 5 percent were RRC. Seventy-nine point five percent of the entities that did not respond to the survey were DSH, and 10.7 percent were SCH.

The aggregate population of 340B covered entity hospitals, all of which were surveyed, is located primarily in urban areas and has concentrations in the East North Central, South Atlantic, and Pacific regions¹. Fifty-nine percent of the detailed responders were hospitals from urban areas, and 35 percent were from the East North Central region. Seventy-five percent of the quick responders were from urban areas, and 20.4 percent from the East North Central region. The majority of detailed responses were from Michigan, Ohio, and California, while the majority of quick responses were from New York, California, and Illinois. With 89 entities that did not complete the survey, California also had the highest non-response rate.

STATISTICAL ANALYSIS

Using a chi-squared test, the aggregate detailed and quick survey responders is not statistically significantly different from the overall population of 340B hospitals for the majority of characteristics with a 95% confidence level (i.e., bed count, teaching hospital status, entity type, and urban/rural location). However, the survey responders differ in terms of geographic region from the overall population. Additionally, the population of survey responders is statistically significantly different from the overall population of 340B hospitals in terms of 340B drug claim line volume at a 95% confidence level but not at a 99% confidence level (p-value = 0.0121). Please see Appendix B, Table 4.

The chi-squared summaries for the detailed and quick survey responders are available in Appendix B, Tables 5 and 6, respectively.

CONCLUSION

In conclusion, about 61 percent of the 340B hospitals submitted a quick or detailed survey. The characteristics of hospitals that completed the quick or detailed survey were similar to those observed in the overall population of 340B hospitals in terms of entity type, bed size, 340B drug volume, geographic locality, and teaching hospital status. For example, survey responses were received from cancer hospitals, children's hospitals, sole community hospitals and RRCs in addition to a large number of DSH hospitals. Therefore, we do not believe there are limitations in the generalizability of the survey data to the population of 340B covered entities.

¹ For a detailed list of abbreviations and states assigned to regions see Appendix A, Table 3.

Appendix A. Table 1. Hospital Characteristics - Summary of 340B Survey Responders

| | # 340B Entities | % 340B Entities | # Detailed Survey | % Detailed Survey | # Quick Survey | % Quick Survey | # No Affirmative Response | % No Affirmative Response | |
|-----------------|--------------------|--------------------|----------------------|----------------------|-------------------|-------------------|---------------------------------|---------------------------------|--|
| Bed Count | | | | | | | | | |
| Total | 1,422 | 100.0% | 100 | 100.0% | 780 | 100.0% | 542 | 100.0% | |
| 0 - 99 | 419 | 29.5% | 33 | 33.0% | 200 | 25.6% | 186 | 34.3% | |
| 100 - 199 | 347 | 24.4% | 18 | 18.0% | 178 | 22.8% | 151 | 27.9% | |
| 200 - 299 | 214 | 15.0% | 21 | 21.0% | 123 | 15.8% | 70 | 12.9% | |
| 300 - 499 | 232 | 16.3% | 20 | 20.0% | 132 | 16.9% | 80 | 14.8% | |
| 500 + | 164 | 11.5% | 8 | 8.0% | 115 | 14.7% | 41 | 7.6% | |
| Missing | 46 | 3.2% | 0 | 0.0% | 32 | 4.1% | 14 | 2.6% | |
| Teaching Hosp | oital | | | | | | | | |
| Total | 1,422 | 100.0% | 100 | 100.0% | 780 | 100.0% | 542 | 100.0% | |
| Teaching | 729 | 51.3% | 52 | 52.0% | 433 | 55.5% | 244 | 45.0% | |
| Non-Teaching | 647 | 45.5% | 48 | 48.0% | 315 | 40.4% | 284 | 52.4% | |
| Missing | 46 | 3.2% | 0 | 0.0% | 32 | 4.1% | 14 | 2.6% | |
| 340B Drug Cla | im Line Vo | lume (CY 20 | 18) | | | | | | |
| Total | 1,422 | 100.0% | 100 | 100.0% | 780 | 100.0% | 542 | 100.0% | |
| 0 - 499 | 522 | 36.7% | 32 | 32.0% | 241 | 30.9% | 249 | 45.9% | |
| 500 - 999 | 115 | 8.1% | 10 | 10.0% | 57 | 7.3% | 48 | 8.9% | |
| 1,000 - 4,999 | 458 | 32.2% | 34 | 34.0% | 267 | 34.2% | 157 | 29.0% | |
| 5,000 - 9,999 | 152 | 10.7% | 14 | 14.0% | 95 | 12.2% | 43 | 7.9% | |
| 10,000 - 49,999 | 158 | 11.1% | 10 | 10.0% | 106 | 13.6% | 42 | 7.7% | |
| 50,000 + | 17 | 1.2% | 0 | 0.0% | 14 | 1.8% | 3 | 0.6% | |
| Hospital Type | | | | | | | | | |
| Total | 1,422 | 100.0% | 100 | 100.0% | 780 | 100.0% | 542 | 100.0% | |
| CAN | 3 | 0.2% | 0 | 0.0% | 2 | 0.3% | 1 | 0.2% | |
| DSH | 1,124 | 79.0% | 67 | 67.0% | 626 | 80.3% | 431 | 79.5% | |

| PED | 51 | 3.6% | 1 | 1.0% | 37 | 4.7% | 13 | 2.4% |
|-----------------------|-------------|--------|-----|--------|-----|--------|-----|--------|
| RRC | 74 | 5.2% | 8 | 8.0% | 39 | 5.0% | 27 | 5.0% |
| SCH | 155 | 10.9% | 23 | 23.0% | 74 | 9.5% | 58 | 10.7% |
| Missing | 15 | 1.1% | 1 | 1.0% | 2 | 0.3% | 12 | 2.2% |
| Geographic Lo | cality Type |) | | | | | | |
| Total | 1,422 | 100.0% | 100 | 100.0% | 780 | 100.0% | 542 | 100.0% |
| Rural | 395 | 27.8% | 41 | 41.0% | 196 | 25.1% | 158 | 29.2% |
| Urban | 1027 | 72.2% | 59 | 59.0% | 584 | 74.9% | 384 | 70.8% |
| Region | | | | | | | | |
| Total | 1,422 | 100.0% | 100 | 100.0% | 780 | 100.0% | 542 | 100.0% |
| East North Central | 228 | 16.0% | 35 | 35.0% | 159 | 20.4% | 34 | 6.3% |
| East South Central | 133 | 9.4% | 5 | 5.0% | 69 | 8.8% | 59 | 10.9% |
| Middle Atlantic | 171 | 12.0% | 11 | 11.0% | 113 | 14.5% | 47 | 8.7% |
| Mountain | 89 | 6.3% | 3 | 3.0% | 51 | 6.5% | 35 | 6.5% |
| New England | 61 | 4.3% | 5 | 5.0% | 39 | 5.0% | 17 | 3.1% |
| Pacific | 223 | 15.7% | 10 | 10.0% | 78 | 10.0% | 135 | 24.9% |
| Puerto Rico | 5 | 0.4% | 0 | 0.0% | 0 | 0.0% | 5 | 0.9% |
| South Atlantic | 227 | 16.0% | 12 | 12.0% | 123 | 15.8% | 92 | 17.0% |
| West North Central | 112 | 7.9% | 7 | 7.0% | 67 | 8.6% | 38 | 7.0% |
| West South Central | 173 | 12.2% | 12 | 12.0% | 81 | 10.4% | 80 | 14.8% |

Table 2: State Summary of Survey Responses

| State | # 340B Entities | % 340B Entities | # Full Survey | % Full Survey | # Quick Survey | % Quick Survey | # No Response | % No Response |
|----------------|--------------------|--------------------|------------------|------------------|-------------------|-------------------|------------------|------------------|
| Total | 1,422 | 100% | 100 | 100% | 780 | 100% | 542 | 100% |
| | | | | | | | | |
| California | 150 | 10.5% | 7 | 7.0% | 54 | 6.9% | 89 | 16.4% |
| New York | 95 | 6.7% | 5 | 5.0% | 72 | 9.2% | 18 | 3.3% |
| Texas | 83 | 5.8% | 6 | 6.0% | 40 | 5.1% | 37 | 6.8% |
| Illinois | 63 | 4.4% | 5 | 5.0% | 46 | 5.9% | 12 | 2.2% |
| Ohio | 61 | 4.3% | 11 | 11.0% | 38 | 4.9% | 12 | 2.2% |
| Pennsylvania | 54 | 3.8% | 5 | 5.0% | 30 | 3.8% | 19 | 3.5% |
| Georgia | 53 | 3.7% | 5 | 5.0% | 26 | 3.3% | 22 | 4.1% |
| Michigan | 51 | 3.6% | 11 | 11.0% | 35 | 4.5% | 5 | 0.9% |
| North Carolina | 51 | 3.6% | 0 | 0.0% | 33 | 4.2% | 18 | 3.3% |
| Louisiana | 47 | 3.3% | 3 | 3.0% | 18 | 2.3% | 26 | 4.8% |
| Kentucky | 44 | 3.1% | 1 | 1.0% | 30 | 3.8% | 13 | 2.4% |
| Florida | 39 | 2.7% | 1 | 1.0% | 30 | 3.8% | 8 | 1.5% |
| Missouri | 35 | 2.5% | 3 | 3.0% | 23 | 2.9% | 9 | 1.7% |
| Washington | 35 | 2.5% | 1 | 1.0% | 13 | 1.7% | 21 | 3.9% |
| Indiana | 32 | 2.3% | 6 | 6.0% | 24 | 3.1% | 2 | 0.4% |
| Alabama | 32 | 2.3% | 1 | 1.0% | 13 | 1.7% | 18 | 3.3% |
| Mississippi | 31 | 2.2% | 2 | 2.0% | 10 | 1.3% | 19 | 3.5% |
| Colorado | 29 | 2.0% | 0 | 0.0% | 21 | 2.7% | 8 | 1.5% |
| Minnesota | 27 | 1.9% | 0 | 0.0% | 20 | 2.6% | 7 | 1.3% |
| Maryland | 26 | 1.8% | 2 | 2.0% | 4 | 0.5% | 20 | 3.7% |
| Tennessee | 26 | 1.8% | 1 | 1.0% | 16 | 2.1% | 9 | 1.7% |
| Massachusetts | 26 | 1.8% | 1 | 1.0% | 18 | 2.3% | 7 | 1.3% |
| Oregon | 25 | 1.8% | 2 | 2.0% | 4 | 0.5% | 19 | 3.5% |
| Arizona | 25 | 1.8% | 1 | 1.0% | 11 | 1.4% | 13 | 2.4% |
| Iowa | 22 | 1.5% | 4 | 4.0% | 8 | 1.0% | 10 | 1.8% |

| Arkansas | 22 | 1.5% | 3 | 3.0% | 10 | 1.3% | 9 | 1.7% |
|----------------------|----|------|---|------|----|------|----|------|
| New Jersey | 22 | 1.5% | 1 | 1.0% | 11 | 1.4% | 10 | 1.8% |
| Wisconsin | 21 | 1.5% | 2 | 2.0% | 16 | 2.1% | 3 | 0.6% |
| Oklahoma | 21 | 1.5% | 0 | 0.0% | 13 | 1.7% | 8 | 1.5% |
| South Carolina | 17 | 1.2% | 1 | 1.0% | 10 | 1.3% | 6 | 1.1% |
| Virginia | 17 | 1.2% | 0 | 0.0% | 14 | 1.8% | 3 | 0.6% |
| West Virginia | 14 | 1.0% | 2 | 2.0% | 2 | 0.3% | 10 | 1.8% |
| Connecticut | 12 | 0.8% | 2 | 2.0% | 10 | 1.3% | 0 | 0.0% |
| Kansas | 12 | 0.8% | 0 | 0.0% | 5 | 0.6% | 7 | 1.3% |
| New Mexico | 11 | 0.8% | 0 | 0.0% | 7 | 0.9% | 4 | 0.7% |
| Maine | 10 | 0.7% | 2 | 2.0% | 7 | 0.9% | 1 | 0.2% |
| Hawaii | 9 | 0.6% | 0 | 0.0% | 6 | 0.8% | 3 | 0.6% |
| Montana | 8 | 0.6% | 0 | 0.0% | 2 | 0.3% | 6 | 1.1% |
| Utah | 7 | 0.5% | 0 | 0.0% | 5 | 0.6% | 2 | 0.4% |
| Idaho | 6 | 0.4% | 2 | 2.0% | 4 | 0.5% | 0 | 0.0% |
| Delaware | 6 | 0.4% | 1 | 1.0% | 2 | 0.3% | 3 | 0.6% |
| Nebraska | 6 | 0.4% | 0 | 0.0% | 2 | 0.3% | 4 | 0.7% |
| Vermont | 6 | 0.4% | 0 | 0.0% | 3 | 0.4% | 3 | 0.6% |
| South Dakota | 6 | 0.4% | 0 | 0.0% | 6 | 0.8% | 0 | 0.0% |
| Puerto Rico | 5 | 0.4% | 0 | 0.0% | 0 | 0.0% | 5 | 0.9% |
| Rhode Island | 4 | 0.3% | 0 | 0.0% | 0 | 0.0% | 4 | 0.7% |
| Alaska | 4 | 0.3% | 0 | 0.0% | 1 | 0.1% | 3 | 0.6% |
| District of Columbia | 4 | 0.3% | 0 | 0.0% | 2 | 0.3% | 2 | 0.4% |
| North Dakota | 4 | 0.3% | 0 | 0.0% | 3 | 0.4% | 1 | 0.2% |
| New Hampshire | 3 | 0.2% | 0 | 0.0% | 1 | 0.1% | 2 | 0.4% |
| Nevada | 2 | 0.1% | 0 | 0.0% | 1 | 0.1% | 1 | 0.2% |
| Wyoming | 1 | 0.1% | 0 | 0.0% | 0 | 0.0% | 1 | 0.2% |

Table 3: Key

Region Abbreviations

| ESC = East South Central |
|--------------------------|
| MA = Middle Atlantic |
| SA = South Atlantic |
| WSC = West South Central |
| WNC = West North Central |
| MNT = Mountain |
| ENC = East North Central |
| PAC = Pacific |
| NE = New England |
| PR = Puerto Rico |

| STATE | REGION |
|----------------------|--------|
| ALABAMA | ESC |
| ALASKA | PAC |
| ARIZONA | MNT |
| ARKANSAS | WSC |
| CALIFORNIA | PAC |
| COLORADO | MNT |
| CONNECTICUT | NE |
| DELAWARE | SA |
| DISTRICT OF COLUMBIA | SA |
| FLORIDA | SA |
| GEORGIA | SA |
| HAWAII | PAC |
| IDAHO | MNT |
| ILLINOIS | ENC |
| INDIANA | ENC |
| IOWA | WNC |
| KANSAS | WNC |
| KENTUCKY | ESC |
| LOUISIANA | WSC |
| MAINE | NE |

| MARYLAND | SA |
|----------------|------|
| MASSACHUSETTS | NE |
| MICHIGAN | ENC |
| MINNESOTA | WNC |
| MISSISSIPPI | ESC |
| MISSOURI | WNC |
| MONTANA | MNT |
| NEBRASKA | WNC |
| NEVADA | MNT |
| NEW HAMPSHIRE | NE |
| NEW JERSEY | MA |
| NEW MEXICO | MNT |
| NEW YORK | MA |
| NORTH CAROLINA | SA |
| NORTH DAKOTA | WNC |
| OHIO | ENC |
| OKLAHOMA | WSC |
| OREGON | PAC |
| PENNSYLVANIA | MA |
| PUERTO RICO | PR |
| RHODE ISLAND | NE |
| | |
| SOUTH CAROLINA | SA |
| SOUTH DAKOTA | WNC |
| TENNESSEE | ESC |
| TEXAS | WSC |
| UTAH | MNT |
| VERMONT | NE |
| VIRGIN ISLANDS | #N/A |
| VIRGINIA | SA |
| WASHINGTON | PAC |
| WEST VIRGINIA | SA |
| WISCONSIN | ENC |
| | |

| WYOMING | MNT |
|-------------------------|-----|
| CALIFORNIA | PAC |
| AMERICAN SAMOA | |
| GUAM | |
| NORTHERN MARIANAS ISLAN | IDS |
| TEXAS | WSC |
| FLORIDA | SA |
| FLORIDA | SA |
| KANSAS | WNC |
| LOUISIANA | WSC |
| OHIO | ENC |
| PENNSYLVANIA | MA |
| TEXAS | WSC |
| MARYLAND | SA |

Appendix B.

 Table 4. Chi-Square Summary of Aggregate 340B Survey Responders

| | 0/ 0/05 0/10 | | | 2112 |
|---------------------|-----------------|---------------------|--------------------|---|
| | % Responders | % 340B Hospitals | Chi-Square p-value | Chi-Square Interpretation |
| Bed Count | - | | - | |
| 0 - 99 | 26.5% | 29.5% | 0.2584 | The population of responders is not statistically significantly |
| 100 - 199 | 22.3% | 24.4% | | different from the overall population of 340B hospitals. |
| 200 - 299 | 16.3% | 15.0% | | |
| 300 - 499 | 17.3% | 16.3% | | |
| 500 + | 14.0% | 11.5% | | |
| Missing | 3.6% | 3.2% | | |
| Teaching Hospital | | | | |
| Teaching | 55.1% | 51.3% | 0.1339 | The population of responders is <u>not</u> statistically significantly |
| Non-Teaching | 41.3% | 45.5% | | different from the overall population of 340B hospitals. |
| Missing | 3.6% | 3.2% | | |
| 340B Drug Claim Lin | e Volume (CY 2 | 018) | | |
| 0 - 499 | 35.0% | 41.6% | 0.0121 | The population of responders is statistically significantly |
| 500 - 999 | 8.5% | 9.3% | | different from the overall population of 340B hospitals at the 0.05 level. However, the population of responders is not |
| 1,000 - 4,999 | 35.9% | 32.3% | | statistically significantly different from the overall population |
| 5,000 - 9,999 | 11.4% | 9.8% | | of 340B hospitals at the 0.01 level. |
| 10,000 - 49,999 | 9.2% | 7.1% | | |
| Hospital Type | | | | |
| CAN | 0.2% | 0.2% | 0.5022 | The population of responders is <u>not</u> statistically significantly |
| DSH | 78.8% | 79.0% | | different from the overall population of 340B hospitals. |
| PED | 4.3% | 3.6% | | |
| RRC | 5.3% | 5.2% | | |
| SCH | 11.0% | 10.9% | | |
| Missing | 0.3% | 1.1% | | |

| Geographic Locality | Туре | | | |
|-----------------------|-------|-------|--------|---|
| Rural | 26.9% | 27.8% | 0.6585 | The population of responders is <u>not</u> statistically significantly |
| Urban | 73.1% | 72.2% | | different from the overall population of 340B hospitals. |
| Region | | | | |
| East North Central | 22.1% | 16.0% | 0.0003 | The population of responders <u>is</u> statistically different from the overall population of 340B hospitals. |
| East South Central | 8.4% | 9.4% | | |
| Middle Atlantic | 14.1% | 12.0% | | |
| Mountain | 6.1% | 6.3% | | |
| New England | 5.0% | 4.3% | | |
| Pacific | 10.0% | 15.7% | | |
| Puerto Rico | 0.0% | 0.4% | | |
| South Atlantic | 15.3% | 16.0% | | |
| West North Central | 8.4% | 7.9% | | |
| West South Central | 10.6% | 12.2% | | |

 Table 5. Chi-Square Summary of 340B Detailed Survey Responders

| | % Full Responders | % 340B Entities | Chi-Square p-value | Chi-Square Interpretation |
|---------------------|----------------------|--------------------|-----------------------|---|
| Bed Count | - | | <u> </u> | - |
| 0 - 99 | 33.0% | 29.5% | 0.1026 | The population of responders is not statistically significantly |
| 100 - 199 | 18.0% | 24.4% | | different from the overall population of 340B hospitals. |
| 200 - 299 | 21.0% | 15.0% | | |
| 300 - 499 | 20.0% | 16.3% | | |
| 500 + | 8.0% | 11.5% | | |
| Missing | 0.0% | 3.2% | | |
| Teaching Hospital | | | | |
| Teaching | 52.0% | 51.3% | 0.1852 | The population of responders is <u>not</u> statistically significantly |
| Non-Teaching | 48.0% | 45.5% | | different from the overall population of 340B hospitals. |
| Missing | 0.0% | 3.2% | | |
| 340B Drug Claim Lin | e Volume (CY 2 | 018) | | |
| 0 - 499 | 40.0% | 41.6% | 0.9538 | The population of responders is <u>not</u> statistically significantly |
| 500 - 999 | 9.0% | 9.3% | | different from the overall population of 340B hospitals. |
| 1,000 - 4,999 | 36.0% | 32.3% | | |
| 5,000 - 9,999 | 9.0% | 9.8% | | |
| 10,000 - 49,999 | 6.0% | 7.1% | | |
| Hospital Type | | | | |
| CAN | 0.0% | 0.2% | 0.0048 | The population of responders is statistically different from |
| DSH | 67.0% | 79.0% | | the overall population of 340B hospitals. |
| PED | 1.0% | 3.6% | | Please note that the Chi-Square analysis may not be the |
| RRC | 8.0% | 5.2% | | most appropriate statistical test for this measure due to low |
| SCH | 23.0% | 10.9% | | sample size since 33% of the categories have expected counts less than 5. |
| Missing | 1.0% | 1.1% | | South 1000 than 0. |
| Geographic Locality | Туре | | | |

| Rural | 41.0% | 27.8% | 0.0047 | The population of responders is statistically different from |
|-----------------------|-------|-------|--------|---|
| Urban | 59.0% | 72.2% | | the overall population of 340B hospitals. |
| Region | | | | |
| East North Central | 35.0% | 16.0% | 0.0016 | The population of responders <u>is</u> statistically different from the overall population of 340B hospitals. |
| East South Central | 5.0% | 9.4% | | |
| Middle Atlantic | 11.0% | 12.0% | | |
| Mountain | 3.0% | 6.3% | | |
| New England | 5.0% | 4.3% | | |
| Pacific | 10.0% | 15.7% | | |
| Puerto Rico | 0.0% | 0.4% | | |
| South Atlantic | 12.0% | 16.0% | | |
| West North Central | 7.0% | 7.9% | | |
| West South Central | 12.0% | 12.2% | | |

Table 6. Chi-Square Summary of 340B Quick Survey Responders

| | % Quick | % 340B | Chi-Square | Chi-Square |
|---------------------|----------------|----------|------------|---|
| | Responders | Entities | p-value | Interpretation |
| Bed Count | | | | |
| 0 - 99 | 25.6% | 29.5% | 0.1261 | The population of responders is <u>not</u> statistically significantly different from the overall population of 340B hospitals. |
| 100 - 199 | 22.8% | 24.4% | | |
| 200 - 299 | 15.8% | 15.0% | | |
| 300 - 499 | 16.9% | 16.3% | | |
| 500 + | 14.7% | 11.5% | | |
| Missing | 4.1% | 3.2% | | |
| Teaching Hospital | | | | |
| Teaching | 55.5% | 51.3% | 0.0548 | The population of responders is <u>not</u> statistically significantly |
| Non-Teaching | 40.4% | 45.5% | | different from the overall population of 340B hospitals. |
| Missing | 4.1% | 3.2% | | |
| 340B Drug Claim Lin | e Volume (CY 2 | 018) | | |
| 0 - 499 | 34.4% | 41.6% | 0.0053 | The population of responders is statistically different from |
| 500 - 999 | 8.5% | 9.3% | | the overall population of 340B hospitals. |
| 1,000 - 4,999 | 35.9% | 32.3% | | |
| 5,000 - 9,999 | 11.7% | 9.8% | | |
| 10,000 - 49,999 | 9.6% | 7.1% | | |
| Hospital Type | | | | |
| CAN | 26.0% | 0.2% | 0.2211 | The population of responders is <u>not</u> statistically significantly different from the overall population of 340B hospitals. |
| DSH | 80.3% | 79.0% | | |
| PED | 4.7% | 3.6% | | |
| RRC | 5.0% | 5.2% | | |
| SCH | 9.5% | 10.9% | | |
| Missing | 0.3% | 1.1% | | |
| Geographic Locality | Туре | | | |

| Rural | 25.1% | 27.8% | 0.1796 | The population of responders is <u>not</u> statistically significantly different from the overall population of 340B hospitals. |
|-----------------------|-------|-------|--------|---|
| Urban | 74.9% | 72.2% | | |
| Region | | | | |
| East North Central | 20.4% | 16.0% | 0.0031 | The population of responders <u>is</u> statistically different from the overall population of 340B hospitals. |
| East South Central | 8.9% | 9.4% | | |
| Middle Atlantic | 14.5% | 12.0% | | |
| Mountain | 6.5% | 6.3% | | |
| New England | 5.0% | 4.3% | | |
| Pacific | 10.0% | 15.7% | | |
| Puerto Rico | 0.0% | 0.4% | | |
| South Atlantic | 15.8% | 16.0% | | |
| West North Central | 8.6% | 7.9% | | |
| West South Central | 10.4% | 12.2% | | |