

# School-Based Health Center Improvement Project

## New Mexico SBHC 2011-2012 Encounter Data Analysis: Ages 11-19

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## New Mexico 2011-2012 SBHC Encounter Data Analysis: Ages 11-19

### Introduction and Methodology

To better understand the types of services SBHC users receive from School-Based Health Centers (SBHCs), medical encounters for 59 state-funded SBHCs in New Mexico were analyzed based on data collected by Apex Education. Apex Education is an organization that provides evaluation, planning and technology services, including encounter data collection for state-funded SBHCs through a software supplied by Welligent. The findings in this report are based on an analysis of all 59 SBHCs. Medical encounter data from individuals between the ages of 11-19 years of age were selected for analysis. Data were cleaned in order to conduct quantitative analysis using SPSS, a statistical analysis software.

### Overview

From July 2011 to June 2012, there were a total of 11,213 SBHC users between the ages of 11-19 years (77.9% of all SBHC users) at all 59 New Mexico SBHCs. These SBHC users made 35,911 visits, or 84.8% of all SBHC visits (all ages) at New Mexico SBHCs. The average number of visits to the SBHC for this demographic was 3.2, with a range of 1 to 54 visits during the 2011-2012 school year. While insurance status was missing for 58.6% of SBHC users, of those SBHC users for which this information was included, 31.8% were enrolled in Medicaid, 8.0% were enrolled in a private plan and 1.6% were classified as other\*.

#### Key Data Points for 11-19 Year Olds

- 11,213 SBHC users
- 35,911 visits

### Gender and Race

There were more female (61.3%) than male (38.3%) SBHC users. Most SBHC users were classified as Hispanic (28.8%) or white (26.0%), while about a quarter of SBHC users (23.0%) were classified as unknown or missing\*.

Table 1: SBHC users by Gender and Race

| Characteristic                | Total  | Percentage |
|-------------------------------|--------|------------|
| <b>All Students 11-19 Yrs</b> | 11,213 | 100.0%     |
| <b>Gender</b>                 |        |            |
| Female                        | 6,879  | 61.3%      |
| Male                          | 4,291  | 38.3%      |
| Unknown                       | 43     | 0.4%       |
| <b>Race</b>                   |        |            |
| Hispanic                      | 3,226  | 28.8%      |
| White                         | 2,912  | 26.0%      |
| American Indian               | 1,319  | 11.8%      |
| African American              | 155    | 1.4%       |
| Asian or Pacific Islander     | 56     | 0.5%       |
| Unknown                       | 1,780  | 15.9%      |
| Other                         | 966    | 8.6%       |
| Missing                       | 799    | 7.1%       |

\*Insurance status data may have been missing due to a limitation on a reporting template that did not include uninsured status. In addition, race and ethnicity data may have been missing due to data extraction issues.

**Table 2: SBHC users by Age**

| Characteristic                  | Total  | Percentage |
|---------------------------------|--------|------------|
| <b>All Students 11-19 years</b> | 11,213 | 100.0%     |
| <b>SBHC users by Age</b>        |        |            |
| 11 years                        | 767    | 6.8%       |
| 12 years                        | 1,161  | 10.4%      |
| 13 years                        | 1,404  | 12.5%      |
| 14 years                        | 1,541  | 13.7%      |
| 15 years                        | 1,758  | 15.7%      |
| 16 years                        | 1,798  | 16.0%      |
| 17 years                        | 1,655  | 14.8%      |
| 18 years                        | 869    | 7.7%       |
| 19 years                        | 260    | 2.3%       |

**Age**

Close to half of SBHC users 11-19 years of age were between 15-17 years (46.5%).

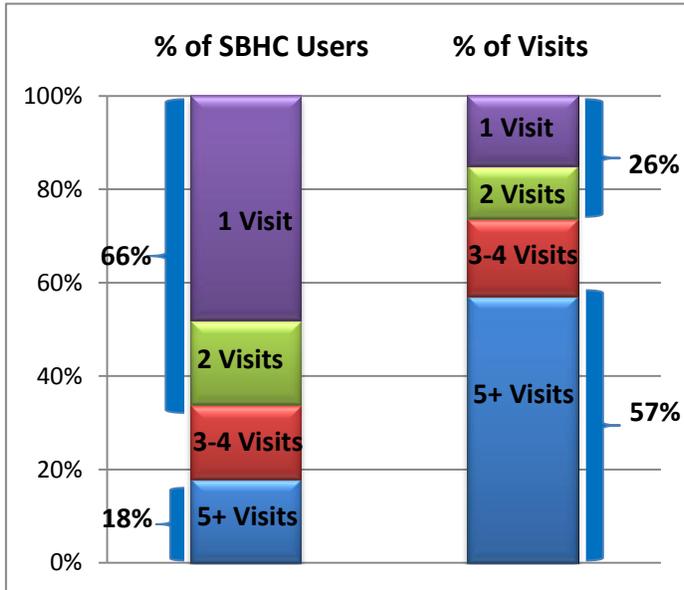
**Table 3: SBHC visits by Month**

| Characteristic                  | Total  | Percentage |
|---------------------------------|--------|------------|
| <b>Total Visits 11-19 years</b> | 35,911 | 100.0%     |
| <b># of Visits by Month</b>     |        |            |
| July 2011                       | 195    | 0.5%       |
| August 2011                     | 2,096  | 5.8%       |
| September 2011                  | 3,428  | 9.5%       |
| October 2011                    | 3,889  | 10.8%      |
| November 2011                   | 4,290  | 11.9%      |
| December 2011                   | 2,217  | 6.2%       |
| January 2012                    | 3,475  | 9.7%       |
| February 2012                   | 4,424  | 12.3%      |
| March 2012                      | 3,293  | 9.2%       |
| April 2012                      | 4,393  | 12.2%      |
| May 2012                        | 3,794  | 10.6%      |
| June 2012                       | 417    | 1.2%       |

**Visits by Month**

During the 2011-2012 school year, the greatest number of visits occurred in November 2011 (11.9%), February 2012 (12.3%) and April 2012 (12.2%).

**Figure 1: Breakdown of Students and Visits to the SBHC (2010-2011 School Year)**



**About 20% of Students Make Most of the Visits**

**Low-users**

About two-thirds of SBHC users 11-19 years of age, 66%, made one or two visits to the SBHC. These users account for 26% of all visits.

**High-users**

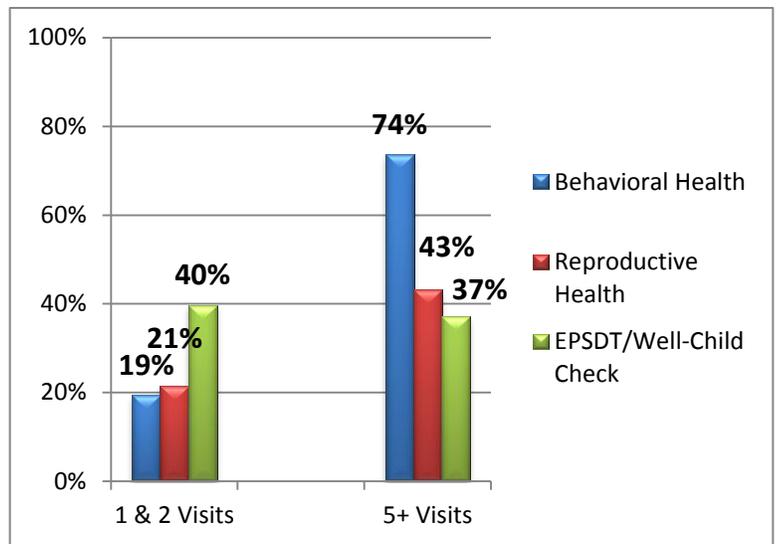
Close to one-fifth of SBHC users, 18%, made five or more visits to the SBHC. These high-users account for 57% of all visits made to the SBHC.

**High-User Students Have Reproductive Health Needs**

Close to half of low-users (40%) (those who visited the clinic one or two times throughout the year) had a checkup visit.

About three-quarters of high-users (those who made ≥5 visits during the year), (74%) had at least one behavioral health visit, and about 43% had at least one reproductive health visit (see Table 10 for a comparison with 2010-2011 rates).

**Figure 2: Percent of Low- & High-User Students Who Had At Least One Visit to the SBHC by Category**



Note: The EPSDT/Well-child check category includes EPSDT (V20.2), well-child check (V70.0), sports physical (V70.3) and unspecified medical exam (V70.9).

## Behavioral Health: Most Visits Were For Adjustment Reaction Disorder and Depression Disorders

An analysis of behavioral health codes revealed that there were a total of 16,042 behavioral health visits, representing 44.7% of all 35,911 visits.\* Many of these diagnoses were for adjustment reaction disorder and depression disorders.

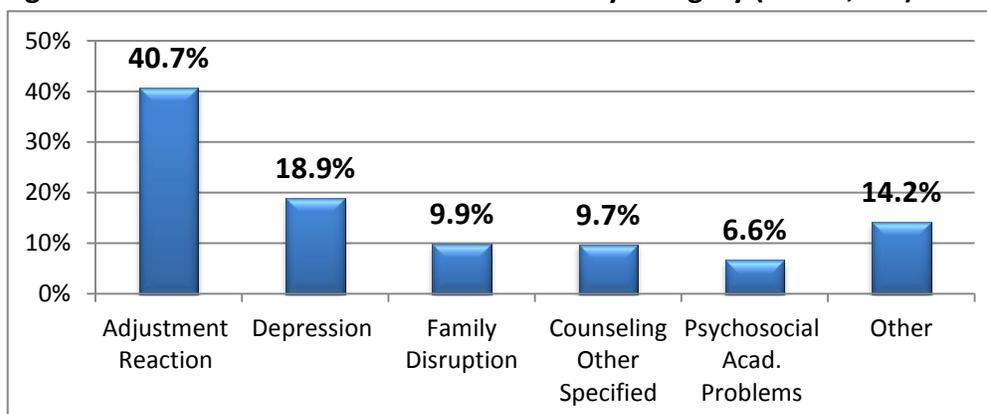
**Table 5: Behavioral Health Visits**

| Diagnosis                                    | Number of visits (All diagnoses)* | % of total visits (N = 35,911) | % of behavioral health visits (N = 16,042) |
|--|-----------------------------------|--------------------------------|--|
| <b>All Behavioral Visits</b>                 | <b>16,042</b>                     | <b>44.7%</b>                   | <b>100.0%</b>                              |
| Adjustment Reaction Disorder (309, etc...)   | 6,525                             | 18.2%                          | 40.7%                                      |
| Depression Disorders (296.2, etc...)         | 3,028                             | 8.4%                           | 18.9%                                      |
| Family Disruption (V61, V61.0-V61.9, etc...) | 1,588                             | 4.4%                           | 9.9%                                       |
| Counseling Other (V65.49, V65.40)            | 1,552                             | 4.3%                           | 9.7%                                       |
| Psychosocial Academic Problems (V62 etc.)    | 1,064                             | 3.0%                           | 6.6%                                       |
| Anxiety (300.00, 300.00-300.09, etc...)      | 1,005                             | 2.8%                           | 6.3%                                       |
| PTSD (309.81)                                | 858                               | 2.4%                           | 5.3%                                       |
| Disturbance of Emotions (313, etc...)        | 833                               | 2.3%                           | 5.2%                                       |
| Cannabis Use (304.3, etc...)                 | 666                               | 1.9%                           | 4.2%                                       |
| Dysthymic Disorder (300.4)                   | 618                               | 1.7%                           | 3.9%                                       |
| ADD/ADHD (314, 314.0-315.9, etc..)           | 536                               | 1.5%                           | 3.3%                                       |
| Alcohol Dependence or Abuse (303, etc...)    | 235                               | 0.7%                           | 1.5%                                       |
| Bipolar (296.0, 296.00-296.06, etc...)       | 199                               | 0.6%                           | 1.2%                                       |
| Tobacco Use (305.1)                          | 75                                | 0.2%                           | 0.5%                                       |

Note: Categories are not mutually exclusive and since an SBHC user could be diagnosed or receive more than one type of service during a visit, the overall category may be less than the sum of the sub-categories. For this reason, percentages may also not add up to 100%.

\*All listed diagnoses were used to assess the frequency of visits across categories.

**Figure 3: Percent of Behavioral Health Visits by Category (N = 16,042)**



## Reproductive Health: Most Visits Were For Family Planning

There were 6,972 reproductive health visits, accounting for 19.4% of all SBHC visits. Most reproductive health visits were for family planning (15.4% of all visits)\*. Other common reproductive health diagnoses included pregnancy or pregnancy test (3.1%) and STI screening (1.9%).

**Table 6: Reproductive Health Visits**

| Diagnosis                                     | Number of visits (All diagnoses)* | % of total visits (N = 35,911) | % of reproductive health visits (N = 6,972) |
|---|-----------------------------------|--------------------------------|---|
| <b>All Reproductive Diagnoses</b>             | <b>6,972</b>                      | <b>19.4%</b>                   | <b>100.0%</b>                               |
| Family Planning (V25, V25.0-V25.9, etc...)    | 5,540                             | 15.4%                          | 79.5%                                       |
| Pregnancy or Pregnancy Test (V22, etc...)     | 1,099                             | 3.1%                           | 15.8%                                       |
| STI Screening (V74.5, V73.9)                  | 686                               | 1.9%                           | 9.8%  |
| Gynecological Complications (614-616, etc...) | 559                               | 1.6%                           | 8.0%  |
| Gynecological Exam (V72.3, V72.31, V72.32)    | 139                               | 0.4%                           | 2.0%  |
| Exposure to STI (V01.6)                       | 103                               | 0.3%                           | 1.5%  |
| STI (054, 054.0-054.9, 0541.0-0547.9, etc...) | 62                                | 0.2%                           | 0.9%  |

Note: Since an SBHC user could receive multiple diagnoses/more than one type of service during a visit, the overall category may be less than the sum of the sub-categories; percentages may not add up to 100%.

\*All listed diagnoses were used to assess the frequency of visits across categories.

## Chronic Conditions: Asthma, Obesity/Overweight and Weight Category Diagnoses

Asthma visits accounted for 1.8% of all visits. Weight category diagnoses were made at 7.0% of all visits, with obesity/overweight diagnoses accounting for 1.2% of all visits.\*

**Table 7: Asthma, Obesity/Overweight, BMI Tests**

| Diagnosis   | Number of visits or diagnoses | % of total visits (N = 35,911) |
|---|-------------------------------|--------------------------------|
| <b>Asthma (493, 493.0-493.9, 493.00-493.92)</b>         | <b>641</b>                    | <b>1.8%</b>                    |
| <b>BMI Tests (V85.51-V85.54)</b>                        | <b>2,504</b>                  | <b>7.0%</b>                    |
| Weight Category $\geq$ 95th Percentile For Age (V85.54) | 750                           | 2.1%                           |
| <b>Obesity/Overweight (278.00-278.03)</b>               | <b>432</b>                    | <b>1.2%</b>                    |

\*See Table 9 for number of SBHC users with these diagnoses.

## Psychotherapy: One in Four SBHC Users Receive Therapy

About 22.8% of SBHC users made at least one psychotherapy visit. Females made the majority (59.8%) of these visits.

Among users who received psychotherapy treatments, the average number of treatments per year was 5.3. The number of psychotherapy treatments provided to SBHC users ranged from 1 to 51.

**Psychotherapy: SBHC Users and Visits**

- 2,559 SBHC users made 13,462 psychotherapy visits

## Other Common Diagnoses

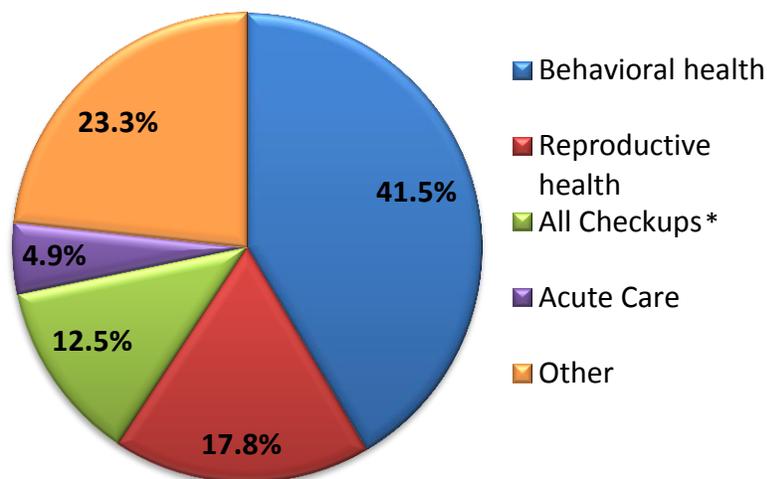
While the vast majority of diagnoses were captured in the broad categories included in this report, other common diagnoses include acute pharyngitis, allergic rhinitis, sinusitis, acute upper respiratory infection and otitis and related conditions.

**Table 8: Visits for Other Common Diagnoses**

| Diagnosis  | Number of visits or diagnoses | % of total visits (N = 35,911) |
|--|-------------------------------|--------------------------------|
| Acute Pharyngitis (462)                              | 607                           | 1.7%                           |
| Allergic Rhinitis (477.9)                            | 522                           | 1.5%                           |
| Sinusitis (461, 461.0-461.9, 473 etc...)             | 338                           | 0.9%                           |
| Acute Upper Respiratory Infection (465, 465.0-465.9) | 330                           | 0.9%                           |
| Otitis and Related Conditions (380.1-382.9, etc...)  | 196                           | 0.5%                           |

## Overall Visit Pattern Based on Primary Diagnoses

**Figure 4: Percentage of Total Visits by Major Category of Care**



Behavioral and reproductive visits together account for about two-thirds (59.3%) of visits to NM SBHCs during the 2011-2012 school year.

\*All Checkups includes EPSDTs (V20.2), well-child checks (V70.0), sports physicals (V70.3), and unspecified medical exams (V70.9)

## Person Level Analysis of Services

### SHCIP Focus Areas: SBHC users who had a Checkup, Anxiety Diagnosis, Depression Screen or Diagnosis, Immunization, STI Screen, Weight Category Diagnosis, or Obesity/Overweight Diagnosis

About 32% of SBHC users made a behavioral health visit and 28% made a reproductive health visit. A total of 38% of SBHC users had at least one checkup, with most for an EPSDT (diagnosis code V20.2) – 26.1% of all SBHC users. Female users were more likely to have received a checkup visit than males (55.0% for females and 45.0% for males). Close to one-fifth of SBHC users (18.7%) received a weight category diagnosis and 2.8% made a visit focused on obesity/overweight concerns.

**Table 9: Medical Encounter Focus Areas by SBHC user (11-19 years)**

| Diagnosis   | Number of SBHC users with at least one visit by diagnosis | % of all SBHC users (N = 11,213) |
|---|---|----------------------------------|
| <b>All Behavioral Diagnoses</b>                         | <b>3,584</b>  | <b>32.0%</b>                     |
| <b>All Reproductive Diagnoses</b>                       | <b>3,142</b>  | <b>28.0%</b>                     |
| Asthma  | 430   | 3.8%                             |
| <b>SHCIP FOCUS AREAS</b>                                |   |                                  |
| <b>All Checkup Diagnoses</b>                            | <b>4,265</b>  | <b>38.0%</b>                     |
| Well-child Exam (V20.2, V70.0)                          | 3,294   | 29.4%                            |
| Sports physical (V70.3)                                 | 1,099   | 9.8%                             |
| Unspecified Med Exam (V70.9)                            | 21  | 0.2%                             |
| <b>Anxiety (300.00, 300.00-300.09, etc...)</b>          | <b>273</b>  | <b>2.4%</b>                      |
| <b>Depression Disorders (296.2, etc...)</b>             | <b>638</b>  | <b>5.7%</b>                      |
| <b>Depression Assessment (V79.0, 99420 CPT Code)</b>    | <b>10</b>   | <b>0.1%</b>                      |
| <b>eSHQ Screen (T1023)</b>                              | <b>2,119</b>  | <b>18.9%</b>                     |
| <b>Immunizations (CPT Codes)*</b>                       | <b>457</b>  | <b>4.1%</b>                      |
| <b>Immunization Administration (90461, 90460)</b>       | <b>521</b>  | <b>4.6%</b>                      |
| <b>Case Management (T1016-TR)</b>                       | <b>50</b>   | <b>0.4%</b>                      |
| <b>STI Screen (V74.5, V73.9)</b>                        | <b>535</b>  | <b>4.8%</b>                      |
| <b>Weight Category Diagnosis (V85.51-V85.54)</b>        | <b>2,102</b>  | <b>18.7%</b>                     |
| Weight Category 85-95th Percentile For Age (V85.53)     | 476   | 4.2%                             |
| Weight Category ≥ 95th Percentile For Age (V85.54)      | 587   | 5.2%                             |
| <b>Counseling for Nutrition (V65.3 and 97802-97804)</b> | <b>376</b>  | <b>3.4%</b>                      |
| <b>Counseling for Physical Activity (V65.41)</b>        | <b>96</b>   | <b>0.9%</b>                      |
| <b>Obesity/Overweight (278.00-278.03)</b>               | <b>317</b>  | <b>2.8%</b>                      |

Note: Since a SBHC user could receive multiple diagnoses/more than one type of service during a visit, the overall category may be less than the sum of the sub-categories; percentages may not add up to 100%. The data in this table represents the number of SBHC users with a particular diagnosis, not overall number of diagnoses; data may not match other tables if patient was seen multiple times for the same diagnosis.

\*The CPT Codes for immunizations were based on CHIPRA Measure 6

### Differences Between the 2010-2011 and 2011-2012 School Year

Compared with 2010-2011, data from the 2011-2012 school year showed an increase in psychotherapy visits, weight category diagnoses, EPSDT visits and electronic student health questionnaire screens (eSHQ). Reproductive health visits declined and behavioral health visits increased. More SBHC users 11-13 years of age received a behavioral, checkup, immunization and weight category diagnosis, while more SBHC users 14-19 years of age received reproductive care.

**Table 10: Visit- and Person-level Rates for 2010-2011 and 2011-2012**

| Diagnoses  | Year                     |                          |                          |
|--|--------------------------|--------------------------|--------------------------|
|  | 2010-2011<br>(Age 14-19) | 2011-2012<br>(Age 14-19) | 2011-2012<br>(Age 11-13) |
| <b>Visit-level Rates</b>                                   | <b>(N = 33,434)</b>      | <b>(N = 26,378)</b>      | <b>(N = 9,533)</b>       |
| <b>All Behavioral Visits</b>                               | <b>41.1%</b>             | <b>46.0%</b>             | <b>50.0%</b>             |
| Adjustment Reaction Disorder                               | 13.4%                    | 19.6%                    | 14.1%                    |
| Depression Disorders                                       | 7.9%                     | 9.0%                     | 6.9%                     |
| Family Disruption  | 2.7%                     | 3.3%                     | 7.6%                     |
| Counseling Other Specified                                 | 8.4%                     | 5.0%                     | 2.4%                     |
| Anxiety  | 1.9%                     | 2.0%                     | 1.9%                     |
| <b>Psychotherapy</b>                                       | <b>21.0%</b>             | <b>37.9%</b>             | <b>36.2%</b>             |
| <b>All Reproductive Diagnoses</b>                          | <b>29.3%</b>             | <b>24.9%</b>             | <b>4.2%</b>              |
| Family Planning  | 24.6%                    | 19.7%                    | 3.5%                     |
| Pregnancy or Pregnancy Test                                | 4.0%                     | 4.0%                     | 0.2%                     |
| STI Screening  | 2.3%                     | 2.5%                     | 0.2%                     |
| Gynecological Complications                                | 1.9%                     | 1.9%                     | 0.5%                     |
| <b>Asthma</b>  | <b>1.2%</b>              | <b>1.6%</b>              | <b>2.4%</b>              |
| <b>Weight Category Diagnosis</b>                           | <b>2.9%</b>              | <b>6.1%</b>              | <b>9.5%</b>              |
| Weight Category $\geq$ 95 <sup>th</sup> Percentile for Age | 1.0%                     | 1.6%                     | 3.4%                     |
| <b>Obesity/Overweight</b>                                  | <b>1.0%</b>              | <b>1.2%</b>              | <b>1.3%</b>              |
| <b>Person-level Rates</b>                                  | <b>(N = 10,017)</b>      | <b>(N = 7,881)</b>       | <b>(N = 3,332)</b>       |
| <b>Low-Users (1-2 Visits)</b>                              | <b>63.0%</b>             | <b>64.2%</b>             | <b>70.9%</b>             |
| <b>High-Users (5+ Visits)</b>                              | <b>20.0%</b>             | <b>19.7%</b>             | <b>14.2%</b>             |
| <b>High-Users with At Least One Behavioral Health</b>      | <b>69.0%</b>             | <b>73.0%</b>             | <b>75.7%</b>             |
| <b>High-Users with At Least One Reproductive Health</b>    | <b>56.0%</b>             | <b>52.5%</b>             | <b>12.7%</b>             |
| <b>High-Users with At Least One Checkup Visit</b>          | <b>30.0%</b>             | <b>32.8%</b>             | <b>50.7%</b>             |
| <b>SHCIP Focus Areas</b>                                   |                          |                          |                          |
| <b>All Checkup Diagnoses</b>                               | <b>33.2%</b>             | <b>33.9%</b>             | <b>47.9%</b>             |
| EPSDT (V20.2)  | 18.6%                    | 24.7%                    | 29.6%                    |
| Routine General Examination (V70.0)                        | 6.3%                     | 2.5%                     | 5.3%                     |
| Sports Physical (V70.3)                                    | 8.6%                     | 7.3%                     | 15.7%                    |
| Unspecified Med Exam (V70.9)                               | 0.6%                     | 0.2%                     | 0.2%                     |
| <b>Depression Disorders (296.2, etc...)</b>                | <b>6.1%</b>              | <b>6.5%</b>              | <b>3.7%</b>              |
| <b>Depression Assessment (V79.0, 99420 CPT Code)</b>       | <b>0.0%</b>              | <b>0.1%</b>              | <b>0.0%</b>              |

|   |      |       |       |
|---|------|-------|-------|
| eSHQ Screen (T1023)                               | 0.0% | 19.1% | 18.4% |
| Anxiety Disorders (300.00, 300.00-300.09, etc...) | 2.0% | 2.9%  | 1.4%  |
| Immunizations (CHIPRA Measure 6)*                 | 1.8% | 2.3%  | 8.4%  |
| Immunization Administration (90461, 90460)        | 0.0% | 3.1%  | 8.3%  |
| Case Management (T1016-TR)                        | 1.0% | 0.2%  | 0.9%  |
| STI Screen (V74.5, V73.9)                         | 6.3% | 6.6%  | 0.5%  |
| Weight Category Diagnoses (V85.51-V85.54)         | 7.6% | 16.9% | 23.0% |
| Weight Category 85-95th Percentile For Age        | 1.5% | 3.7%  | 5.5%  |
| Weight Category ≥ 95th Percentile For Age         | 2.4% | 4.2%  | 7.7%  |
| Counseling for Nutrition (V65.3 and 97802-97804)  | 0.8% | 4.3%  | 2.4%  |
| Counseling for Physical Activity (V65.41)         | 0.3% | 0.5%  | 1.7%  |
| Obesity/Overweight (278.00-278.03)                | 2.5% | 2.9%  | 2.6%  |

\*The CPT Codes for immunizations were based on CHIPRA Measure 6.

### Cohort 1 SBHCs: Comparison of SHCIP Focus Area Rates between 2010-11 and 2011-12: 14-19 Years

Compared with 2010-11, SBHC users in the five Cohort 1 sites between the ages of 14-19 years showed increases in EPSDT, eSHQ screens, anxiety disorders, immunization administration, weight category diagnoses and obesity/overweight diagnoses. Depression disorders and STI screens increased slightly.

Table 11: Cohort 1 Person-level Rates for 14-19 Years: 2010-2011 and 2011-2012

| SHCIP Focus Areas                                 | 2010-11<br>(N = 1574) | 2011-12<br>(N = 1503) |
|---|-----------------------|-----------------------|
| <b>All Checkup Diagnoses</b>                      | 27.6%                 | 29.4%                 |
| EPSDT (V20.2)                                     | 16.0%                 | 27.7%                 |
| Routine General Examination (V70.0)               | 1.1%                  | 0.6%                  |
| Sports physical (V70.3)                           | 11.0%                 | 1.5%                  |
| Unspecified Med Exam (V70.9)                      | 0.0%                  | 0.0%                  |
| <b>Depression Disorders (296.2, etc...)</b>       | 4.3%                  | 5.7%                  |
| Depression Assessment (V79.0, 99420 CPT Code)     | 0.1%                  | 0.1%                  |
| eSHQ Screen (T1023)                               | 0.0%                  | 10.4%                 |
| Anxiety Disorders (300.00, 300.00-300.09, etc...) | 1.8%                  | 3.6%                  |
| Immunizations (CHIPRA Measure 6)*                 | 5.0%                  | 4.5%                  |
| Immunization Administration (90461, 90460)        | 0.0%                  | 5.7%                  |
| Case Management (T1016-TR)                        | 0.3%                  | 0.3%                  |
| STI Screen (V74.5, V73.9)                         | 5.2%                  | 6.9%                  |
| Weight Category Diagnoses (V85.51-V85.54)         | 13.9%                 | 25.6%                 |

|   |             |             |
|---|-------------|-------------|
| Weight Category 85-95th Percentile For Age (V85.53)     | 2.1%        | 6.1%        |
| Weight Category ≥ 95th Percentile For Age (V85.54)      | 4.2%        | 6.7%        |
| <b>Counseling for Nutrition (V65.3 and 97802-97804)</b> | <b>0.0%</b> | <b>0.4%</b> |
| <b>Counseling for Physical Activity (V65.41)</b>        | <b>0.0%</b> | <b>0.1%</b> |
| <b>Obesity/Overweight (278.00-278.03)</b>               | 1.1%        | 4.1%        |

\*The CPT Codes for immunizations were based on CHIPRA Measure 6.

### **Cohort 2 SBHCs: SHCIP Focus Area Rates for 2011-12: 11-13 Years**

SBHC users in the four Cohort 2 sites between the ages of 11-13 years showed higher rates of checkups, eSHQ screens and weight category diagnoses than SBHC users in Cohort 1. Depression and anxiety disorder diagnoses were lower than Cohort 1.

**Table 12: Cohort 2 Person-level Rates for 11-13 Years: 2011-2012**

| <b>SHCIP Focus Areas</b>                                 | <b>2011-2012<br/>(N = 720)</b> |
|--|--------------------------------|
| <b>All Checkup Diagnoses</b>                             | 45.8%                          |
| EPSDT (V20.2)  | 23.9%                          |
| Routine General Examination (V70.0)                      | 16.4%                          |
| Sports physical (V70.3)                                  | 6.5%                           |
| Unspecified Med Exam (V70.9)                             | 0.1%                           |
| <b>Depression Disorders (296.2, etc...)</b>              | 2.5%                           |
| <b>Depression Assessment (V79.0, 99420 CPT Code)</b>     | 0.0%                           |
| <b>eSHQ Screen (T1023)</b>                               | 29.2%                          |
| <b>Anxiety Disorders (300.00, 300.00-300.09, etc...)</b> | 0.3%                           |
| <b>Immunizations (CHIPRA Measure 6)</b>                  | 8.6%                           |
| <b>Immunization Administration (90461, 90460)</b>        | 8.9%                           |
| <b>Case Management (T1016-TR)</b>                        | 0.7%                           |
| <b>STI Screen (V74.5, V73.9)</b>                         | 1.5%                           |
| <b>Weight Category Diagnoses (V85.51-V85.54)</b>         | 24.3%                          |
| Weight Category 85-95th Percentile For Age (V85.53)      | 7.8%                           |
| Weight Category ≥ 95th Percentile For Age (V85.54)       | 9.7%                           |
| <b>Counseling for Nutrition (V65.3 and 97802-97804)</b>  | 2.8%                           |
| <b>Counseling for Physical Activity (V65.41)</b>         | 2.4%                           |
| <b>Obesity/Overweight (278.00-278.03)</b>                | 1.9%                           |

## eSHQ Results

### Services for SBHC Users with Behavioral Health Risks Identified Using the eSHQ at Six Sites

For the 2011-12 school year, 303 eSHQs were linked with NM SBHC encounter data.\*

These data indicated that close to half of SBHC users showed a behavioral health risk, with 47.2% of SBHC users at those sites indicating that they are often tense, stressed or have difficulty relaxing. The linked eSHQ and encounter data also show that while none of the adolescents were documented as having completed a written depression assessment tool, between a quarter to one-third of SBHC users that indicated a behavioral health risk received behavioral health services at the SBHCs.

**Table 13: SBHC Users with a Behavioral Health Risk and Services Provided to These SBHC Users**

| SBHC Users With A Serious Risk (N=303)                  |     |       | Diagnosis Category         |        |                |        |
|---|-----|-------|----------------------------|--------|----------------|--------|
|   | N   | %     | Depression Assessment Tool |        | Any Behavioral |        |
| Behavioral Health Risk                                  | N   | %     | #                          | % of N | #              | % of N |
| Often worry or feel like something bad might happen?    | 87  | 28.7% | 0                          | 0.0%   | 31             | 35.6%  |
| Often tense, stressed or difficulty relaxing?           | 143 | 47.2% | 0                          | 0.0%   | 54             | 22.3%  |
| In past 2 weeks, feeling down, depressed or hopeless?   | 80  | 26.4% | 0                          | 0.0%   | 41             | 31.1%  |
| In 2 weeks, less enjoyment or interest in doing things? | 68  | 22.4% | 0                          | 0.0%   | 29             | 25.2%  |
| Seriously thought about killing yourself or attempted?  | 28  | 9.2%  | 0                          | 0.0%   | 15             | 35.7%  |

### Services for SBHC Users With Reproductive Health Risks Identified Using the eSHQ

Of the 303 linked eSHQs, over three-quarters (77.6%) are sexually active, with one quarter of those sexually active not using a method to prevent pregnancy. The linked eSHQ and encounter data also showed that about one-quarter of SBHC users that think they may have an STI received an STI screen at the SBHC. Most of the SBHC users at risk for a reproductive health need were documented as having received family planning services, with over three-quarters of those that ever had sex receiving reproductive health services.

**Table 14: SBHC Users with a Behavioral Health Risk and Services Provided to These SBHC Users**

| SBHC Users With A Serious Risk                     |     |       | Diagnosis Category |        |                 |        |                  |        |
|--|-----|-------|--------------------|--------|-----------------|--------|------------------|--------|
|  | N   | %     | STI Screen         |        | Family Planning |        | Any Reproductive |        |
| Reproductive Health Risk                           | N   | %     | #                  | % of N | #               | % of N | #                | % of N |
| Ever had sex?                                      | 235 | 77.6% | 11                 | 4.7%   | 175             | 74.5%  | 182              | 77.4%  |
| Do not always use a condom?                        | 85  | 28.1% | 8                  | 9.4%   | 72              | 84.7%  | 75               | 88.2%  |
| Do not use a method to prevent pregnancy?          | 76  | 25.1% | 3                  | 3.9%   | 55              | 72.4%  | 61               | 80.3%  |
| Do you think you or your partner could have a STI? | 12  | 4.0%  | 3                  | 25.0%  | 7               | 58.3%  | 8                | 66.7%  |
| Been pregnant or gotten someone pregnant?          | 11  | 3.6%  | 3                  | 27.3%  | 9               | 81.8%  | 9                | 81.8%  |

\*While over 600 eSHQs were completed in New Mexico during the 2011-2012 school year, only 303 could be linked to encounter data due to issues matching eSHQ and encounter data records.

## Considerations and Concerns

The number of SBHC users diagnosed with certain conditions or services are lower than expected for adolescents (11-19 yrs.) and may be underdiagnosed. These include diagnoses/services for:

- Immunizations
- Anxiety and depression disorders
- Depression assessment
- Obesity/overweight diagnoses
- STI screens

## SHCIP Focus Areas: Cohort 1 Changes from the 2010-2011 to 2011-2012 SY, SBHC users 14-19 Years

- EPSDT rates *increased* from 16.0% to **27.7%**, while the overall checkup rate remained the same.
- Obesity/overweight rates *increased* from 1.1 to **4.1%**
- STI Screens *increased* from 5.2% to **6.9%**
- Immunizations *remained about the same* at **4.5%**
- Weight category diagnoses *increased* from 13.9% to **25.6%**
- Depression disorder diagnoses increased from 4.3 to **5.7%**
- Anxiety disorder diagnoses increased from 1.8% to **3.6%**
- eSHQ screens increased from 0.0% to **10.4%**

## Data Concerns

- Payer source was missing for 58.6% of SBHC users
- Race was unknown for 23.0% of SBHC users, which may be due to issues with data extraction

## Policy Issues: How SBHCs Would Help With CHIPRA and HEDIS Reporting

Importantly, SBHCs may improve states' reporting on the initial core set of children's health care quality measures (CHIPRA measures) and the Healthcare Effectiveness Data and Information Set (HEDIS) measures, since SBHCs provide services that comprise many of these measures. These services include:

- Immunizations
- EPSDTs and other well-child checkups
- Weight assessments
- STI screens
- Dental services
- Asthma care
- Diabetes care
- Behavioral health services

SBHCs may also lower emergency department visits among children and increase parents' rating of the quality of their children's care. Table 15 on the next page lists the CHIPRA measures for SBHC users between the ages of 11-19; please see the "Initial Core Set of Children's Health Care Quality Measures: Technical Specification and Resource Manual for Federal Fiscal Year 2011 Reporting" at the Centers for Medicare and Medicaid Services for more information about these measures. The HEDIS measures for SBHC users are similar to the CHIPRA measures, and a summary table of the measures can be found at the [National Committee for Quality Assessment website](#).

**Table 15: CHIPRA Measures for SBHC users 11-19 Years of Age (Excerpts)**

|            |   |   |
|------------|---|---|
| Measure 6  | SBHC user Immunization Status   | Percentage of SBHC users that had specific vaccines by their 13th birthday  |
| Measure 7  | Weight Assessment and Counseling for Nutrition and Physical Activity; BMI | Percentage of children ages 3 to 17 that had an outpatient visit with a PCP or OB/GYN and whose weight is classified based on BMI for age and gender        |
| Measure 9  | Chlamydia Screening   | Percentage of women ages 16 to 20 that were identified as sexually active and had at least one test for Chlamydia during the measurement year               |
| Measure 12 | SBHC user Well-Care Visit   | Percentage of SBHC users ages 12 to 21 that had at least one comprehensive well-care visit  |
| Measure 13 | Preventive Dental Services  | Percentage of individuals ages 1 to 20 eligible for Medicaid or CHIP Medicaid Expansion programs that received preventive dental services                   |
| Measure 14 | Child and SBHC user Access to Primary Care Practitioners                  | Percentage of children and SBHC users ages 12 months to 19 years that had a visit with a primary care practitioner (PCP),                                   |
| Measure 15 | Testing for Children with Pharyngitis                                     | Percentage of children ages 2 to 18 that were diagnosed with pharyngitis, dispensed an antibiotic, and received a group A streptococcus test                |
| Measure 17 | Dental Treatment Services   | Percentage of individuals ages 1 to 20 eligible for Medicaid or CHIP Medicaid Expansion programs that received dental treatment services                    |
| Measure 18 | Emergency Department (ED) Visits  | Rate of ED visits per 1,000 member months among children up to age 19   |
| Measure 20 | Asthma-Related Emergency Room Visits                                      | Percentage of children ages 2 to 20 diagnosed with asthma during the measurement year with one or more asthma-related emergency room (ER) visits            |
| Measure 21 | Follow-Up Care for Children Prescribed ADHD Medication                    | Percentage of children newly prescribed ADHD meds. that had at least three follow-up visits within 10-months  |
| Measure 22 | Annual Pediatric Hemoglobin A1C Testing                                   | Percentage of children ages 5 to 17 with diabetes (type 1 and type 2) that had a Hemoglobin A1c (HbA1c) test  |
| Measure 23 | Follow-Up After Hospitalization for Mental Illness                        | Percentage of discharges for children ages 6 to 20 that were hospitalized for treatment of selected mental health disorders and had an outpatient follow-up |
| Measure 24 | Consumer Assessment of Healthcare Providers and Systems (CAHPS)           | Survey on parents' experiences with their children's care   |

Source: Center for Medicare & Medicaid Services. (December, 2011). Initial Core Set of Children's Health Care Quality Measures: Technical Specifications and Resource Manual for Federal Fiscal Year 2011 Reporting.