

**TABLE 5. Asthma Indicators by Medication Status among adults with current asthma in Virginia: BRFSS 2005.**

| Indicator                          | Total      |      |     | Medication Status |      |     |            |      |     | P*                   |
|------------------------------------|------------|------|-----|-------------------|------|-----|------------|------|-----|----------------------|
|                                    |            |      |     | Any               |      |     | None       |      |     |                      |
|                                    | n          | %    | se  | n                 | %    | se  | n          | %    | se  |                      |
| <b>Age at Diagnosis (onset)</b>    | <b>419</b> |      |     | <b>293</b>        |      |     | <b>126</b> |      |     | <b>0.06 **</b>       |
| Child (<18)                        | 157        | 48.2 | 3.4 | 101               | 43.6 | 4.8 | 56         | 57.5 | 4.1 |                      |
| Adult (>=18)                       | 262        | 51.8 | 3.4 | 192               | 56.4 | 4.8 | 70         | 42.5 | 4.1 |                      |
| <b>Attack</b>                      | <b>433</b> |      |     | <b>301</b>        |      |     | <b>132</b> |      |     | <b>&lt;.0001 **</b>  |
| Did not have attack                | 192        | 47.6 | 3.6 | 105               | 35.9 | 4.4 | 87         | 70.7 | 4.2 |                      |
| Had attack                         | 241        | 52.4 | 3.6 | 196               | 64.1 | 4.4 | 45         | 29.3 | 4.2 |                      |
| <b>Emergency Department Visits</b> | <b>434</b> |      |     | <b>301</b>        |      |     | <b>133</b> |      |     | <b>0.08 **</b>       |
| No visit                           | 355        | 83.9 | 2.3 | 237               | 81.1 | 2.9 | 118        | 89.5 | 3.2 |                      |
| Any visit                          | 79         | 16.1 | 2.3 | 64                | 18.9 | 2.9 | 15         | 10.5 | 3.2 | <b>0.02 ***</b>      |
| One visit                          | 34         | 7.8  | 1.9 | 26                | 8.2  | 2.4 | 8          | 6.9  | 2.8 |                      |
| Two or more visits                 | 45         | 8.3  | 1.5 | 38                | 10.7 | 1.9 | 7          | 3.6  | 1.5 |                      |
| <b>Urgent Doctor Visits</b>        | <b>430</b> |      |     | <b>298</b>        |      |     | <b>132</b> |      |     | <b>&lt;.0001 **</b>  |
| No visit                           | 298        | 75.9 | 2.9 | 182               | 67.3 | 4.0 | 116        | 92.7 | 2.1 |                      |
| Any visit                          | 132        | 24.1 | 2.9 | 116               | 32.7 | 4.0 | 16         | 7.3  | 2.1 | <b>&lt;.0001 ***</b> |
| One visit                          | 48         | 9.9  | 2.2 | 39                | 12.6 | 3.2 | 9          | 4.5  | 1.6 |                      |
| Two or more visits                 | 84         | 14.2 | 2.0 | 77                | 20.1 | 2.8 | 7          | 2.8  | 1.5 |                      |
| <b>Routine Doctor Visits</b>       | <b>426</b> |      |     | <b>298</b>        |      |     | <b>128</b> |      |     | <b>&lt;.0001 **</b>  |
| No visits                          | 169        | 47.9 | 3.4 | 79                | 34.5 | 4.1 | 90         | 74.6 | 4.7 |                      |
| Any visit                          | 257        | 52.1 | 3.4 | 219               | 65.5 | 4.1 | 38         | 25.4 | 4.7 | <b>&lt;.0001 ***</b> |
| One visit                          | 124        | 26.3 | 2.9 | 98                | 31.1 | 3.7 | 26         | 16.8 | 3.8 |                      |
| Two visits                         | 54         | 9.7  | 1.9 | 47                | 12.9 | 2.8 | 7          | 3.3  | 1.2 |                      |
| Three or more visits               | 79         | 16.1 | 2.3 | 74                | 21.5 | 3.1 | 5          | 5.3  | 3.1 |                      |
| <b>Activity Limitation</b>         | <b>401</b> |      |     | <b>278</b>        |      |     | <b>123</b> |      |     | <b>0.10 **</b>       |
| No days                            | 284        | 77.0 | 2.7 | 183               | 73.9 | 3.1 | 101        | 83.2 | 4.7 |                      |
| Any days                           | 117        | 23.0 | 2.7 | 95                | 26.1 | 3.1 | 22         | 16.8 | 4.7 | <b>0.04 ***</b>      |
| 1-10 days                          | 80         | 17.6 | 2.6 | 61                | 19.1 | 2.9 | 19         | 14.6 | 4.5 |                      |
| > 10 days                          | 37         | 5.4  | 1.1 | 34                | 7.0  | 1.4 | 3          | 2.2  | 1.5 |                      |
| <b>Days with Symptoms</b>          | <b>427</b> |      |     | <b>295</b>        |      |     | <b>132</b> |      |     | <b>&lt;.0001 **</b>  |
| No days                            | 108        | 26.0 | 3.0 | 43                | 16.8 | 3.3 | 65         | 43.6 | 5.7 |                      |
| Any days                           | 319        | 74.0 | 3.0 | 252               | 83.2 | 3.3 | 67         | 56.4 | 5.7 | <b>&lt;.0001 ***</b> |
| < once a week                      | 99         | 26.6 | 3.5 | 69                | 26.9 | 4.6 | 30         | 26.1 | 4.8 |                      |
| once, or more, a week              | 140        | 34.0 | 3.2 | 110               | 37.8 | 3.6 | 30         | 26.8 | 5.2 |                      |
| every day                          | 80         | 13.4 | 1.9 | 73                | 18.5 | 2.7 | 7          | 3.5  | 1.3 |                      |
| <b>Days with Sleep Disturbance</b> | <b>426</b> |      |     | <b>294</b>        |      |     | <b>132</b> |      |     | <b>&lt;.0001 **</b>  |
| No days                            | 280        | 67.0 | 3.6 | 163               | 56.0 | 4.5 | 117        | 87.9 | 3.4 |                      |
| Any days                           | 146        | 33.0 | 3.6 | 131               | 44.0 | 4.5 | 15         | 12.1 | 3.4 | <b>&lt;.0001 ***</b> |
| 1-2 days                           | 48         | 15.4 | 3.4 | 43                | 22.0 | 4.5 | 5          | 2.7  | 1.6 |                      |
| 3-10 days                          | 68         | 12.0 | 1.8 | 62                | 14.5 | 2.1 | 6          | 7.3  | 3.2 |                      |
| > 10 days                          | 30         | 5.6  | 1.3 | 26                | 7.5  | 1.8 | 4          | 2.1  | 0.3 |                      |

\* P: Wald chi-square test for the general association between each Indicator and Medication Status.

\*\* chi-square for 2 category Indicator.

\*\*\* chi-square for 3 to 5 category Indicator.

Medication Status: "Any" includes respondents who reported using either a prescription rescue inhaler one or more times or a preventive asthma medication on one or more days in the past 30days.