

## FY16 Agreement Addenda Section III: WIC Deliverable #4 - Promote Healthy Weights

### 4B. c. Percentage of women with live term singleton births who received WIC Program Services during pregnancy and who gained inadequate weight based on the National Academy of Sciences-Institute of Medicine Recommended Total Weight Gain Ranges\* During pregnancy

Numerator equals the unduplicated count of women on WIC during pregnancy with live term singleton births and who gained inadequate\* weight based on the IOM Recommended Total Weight gain during pregnancy

Denominator equals the unduplicated count of women with live term singleton births and who received WIC Program Services during the time period indicated

| County/District Health Department  | CY04-CY06    | CY07-CY09    | CY10-CY12    | % Change from first 3-year period to most recent 3-year period | CY2012        |               |              |
|------------------------------------|--------------|--------------|--------------|--|---------------|---------------|--------------|
|                                    | %            | %            | %            |  | Numerator #   | Denominator # | %            |
| Alamance County                    | 19.2%        | 22.2%        | 23.9%        | 24.6%  | 205           | 845           | 24.3%        |
| Albemarle Regional Health Services | 23.8%        | 24.0%        | 33.5%        | 40.8%  | 199           | 581           | 34.3%        |
| Alexander County                   | 24.9%        | 20.4%        | 22.1%        | -11.1%   | 55            | 212           | 25.9%        |
| Anson County                       | 21.8%        | 26.0%        | 24.4%        | 11.9%  | 50            | 195           | 25.6%        |
| Appalachian District               | 20.5%        | 21.1%        | 18.6%        | -8.9%  | 60            | 335           | 17.9%        |
| Beaufort County                    | 22.6%        | 20.6%        | 27.9%        | 23.5%  | 86            | 278           | 30.9%        |
| Bladen County                      | 25.4%        | 28.0%        | 25.0%        | -1.8%  | 52            | 226           | 23.0%        |
| Brunswick County                   | 16.9%        | 19.8%        | 19.3%        | 14.3%  | 103           | 518           | 19.9%        |
| Buncombe County                    | 20.3%        | 18.5%        | 22.4%        | 10.2%  | 243           | 1,087         | 22.4%        |
| Burke County                       | 23.3%        | 26.5%        | 24.5%        | 4.8%   | 118           | 484           | 24.4%        |
| Cabarrus County                    | 23.6%        | 23.5%        | 23.3%        | -1.1%  | 193           | 872           | 22.1%        |
| Caldwell County                    | 18.5%        | 19.2%        | 21.8%        | 17.9%  | 118           | 510           | 23.1%        |
| Carteret County                    | 14.3%        | 15.9%        | 21.1%        | 47.3%  | 59            | 292           | 20.2%        |
| Caswell County                     | 22.6%        | 20.0%        | 27.1%        | 20.2%  | 19            | 94            | 20.2%        |
| Catawba County                     | 28.1%        | 35.0%        | 24.1%        | -14.2%   | 200           | 846           | 23.6%        |
| Chatham County                     | 21.1%        | 19.8%        | 25.5%        | 20.7%  | 45            | 183           | 24.6%        |
| Cherokee County                    | 23.8%        | 22.0%        | 23.5%        | -1.4%  | 32            | 143           | 22.4%        |
| Clay County                        | 20.9%        | 21.9%        | 17.2%        | -17.6%   | 9             | 46            | 19.6%        |
| Cleveland County                   | 23.3%        | 30.8%        | 42.4%        | 82.1%  | 349           | 714           | 48.9%        |
| Columbus County                    | 28.3%        | 27.2%        | 25.5%        | -10.1%   | 106           | 415           | 25.5%        |
| Craven County                      | 20.2%        | 20.2%        | 27.7%        | 36.9%  | 210           | 854           | 24.6%        |
| Cumberland County                  | 17.1%        | 18.6%        | 20.7%        | 21.2%  | 645           | 3,028         | 21.3%        |
| Dare County                        | 18.7%        | 26.6%        | 23.7%        | 26.9%  | 46            | 155           | 29.7%        |
| Davidson County                    | 22.3%        | 24.2%        | 21.6%        | -3.0%  | 186           | 838           | 22.2%        |
| Davie County                       | 19.6%        | 21.4%        | 21.4%        | 9.0%   | 45            | 196           | 23.0%        |
| Duplin County                      | 23.9%        | 28.1%        | 32.8%        | 37.3%  | 127           | 379           | 33.5%        |
| Durham County                      | 25.0%        | 22.6%        | 23.7%        | -5.0%  | 312           | 1,384         | 22.5%        |
| Edgecombe County                   | 27.0%        | 26.9%        | 26.8%        | -1.0%  | 119           | 474           | 25.1%        |
| Forsyth County                     | 24.2%        | 23.7%        | 23.9%        | -1.3%  | 504           | 1,995         | 25.3%        |
| Franklin County                    | 25.4%        | 25.2%        | 25.3%        | -0.7%  | 72            | 252           | 28.6%        |
| Gaston County                      | 24.4%        | 27.2%        | 26.1%        | 6.7%   | 322           | 1,271         | 25.3%        |
| <b>North Carolina</b>              | <b>22.0%</b> | <b>22.5%</b> | <b>23.5%</b> | <b>6.7%</b>  | <b>12,378</b> | <b>51,590</b> | <b>24.0%</b> |

\* Inadequate total prenatal weight gain by prepregnancy weight category is <28 lbs. for underweight women (BMI < 18.5); <25 lbs. for normal weight women (BMI 18.5 to 24.9); <15 lbs. for overweight women (BMI 25 to 29.9); and > 20 lbs. for obese women (BMI >= 30).

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|------------------------------------|--------------|--------------|--------------|--|---------------|---------------|--------------|
|                                    | %            | %            | %            |  | Numerator #   | Denominator # | %            |
| Graham County                      | 18.2%        | 15.3%        | 24.6%        | 35.5%  | 20            | 65            | 30.8%        |
| Granville-Vance District           | 27.8%        | 25.6%        | 26.7%        | -4.0%  | 166           | 634           | 26.2%        |
| Greene County                      | 28.2%        | 26.4%        | 25.1%        | -10.9%   | 33            | 129           | 25.6%        |
| Guilford County                    | 19.7%        | 20.1%        | 19.7%        | 0.1%   | 543           | 2,661         | 20.4%        |
| Halifax County                     | 23.4%        | 23.4%        | 27.8%        | 19.0%  | 117           | 425           | 27.5%        |
| Harnett County                     | 20.7%        | 20.0%        | 21.0%        | 1.7%   | 134           | 644           | 20.8%        |
| Haywood County                     | 18.6%        | 18.9%        | 21.0%        | 12.9%  | 65            | 299           | 21.7%        |
| Henderson County                   | 19.1%        | 20.6%        | 20.9%        | 9.2%   | 92            | 413           | 22.3%        |
| Hertford County                    | 18.4%        | 24.6%        | 30.8%        | 67.8%  | 48            | 152           | 31.6%        |
| Hoke County                        | 18.3%        | 21.4%        | 24.2%        | 32.0%  | 83            | 351           | 23.6%        |
| Hyde County                        | 22.5%        | 20.8%        | 23.0%        | 2.3%   | 13            | 28            | 46.4%        |
| Iredell County                     | 18.9%        | 20.7%        | 22.0%        | 16.8%  | 161           | 731           | 22.0%        |
| Jackson County                     | 16.9%        | 16.1%        | 18.4%        | 9.1%   | 38            | 236           | 16.1%        |
| Johnston County                    | 22.6%        | 16.9%        | 20.6%        | -8.9%  | 164           | 804           | 20.4%        |
| Jones County                       | 18.2%        | 17.8%        | 31.3%        | 72.0%  | 23            | 65            | 35.4%        |
| Lee County                         | 25.0%        | 21.4%        | 21.8%        | -12.5%   | 72            | 377           | 19.1%        |
| Lenoir County                      | 22.3%        | 27.1%        | 23.7%        | 6.7%   | 99            | 394           | 25.1%        |
| Lincoln County                     | 21.0%        | 21.7%        | 22.3%        | 6.3%   | 80            | 384           | 20.8%        |
| Macon County                       | 20.1%        | 18.1%        | 19.5%        | -3.1%  | 36            | 202           | 17.8%        |
| Madison County                     | 21.9%        | 17.8%        | 22.4%        | 2.4%   | 26            | 118           | 22.0%        |
| Martin-Tyrrell-Washington District | 27.0%        | 25.7%        | 29.6%        | 9.7%   | 78            | 252           | 31.0%        |
| Mecklenburg County                 | 19.0%        | 18.6%        | 24.0%        | 26.1%  | 892           | 3,653         | 24.4%        |
| Montgomery County                  | 21.9%        | 20.8%        | 24.2%        | 10.5%  | 44            | 195           | 22.6%        |
| Moore County                       | 20.0%        | 17.7%        | 25.1%        | 25.3%  | 96            | 389           | 24.7%        |
| Nash County                        | 25.6%        | 28.4%        | 24.9%        | -2.8%  | 177           | 619           | 28.6%        |
| New Hanover County                 | 20.6%        | 20.3%        | 21.3%        | 3.7%   | 216           | 888           | 24.3%        |
| Northampton County                 | 23.1%        | 23.2%        | 27.5%        | 19.0%  | 48            | 157           | 30.6%        |
| Onslow County                      | 17.8%        | 17.3%        | 18.9%        | 6.0%   | 433           | 2,121         | 20.4%        |
| Orange County                      | 18.8%        | 20.6%        | 22.5%        | 20.1%  | 88            | 376           | 23.4%        |
| Pamlico County                     | 18.1%        | 22.7%        | 32.5%        | 79.9%  | 25            | 76            | 32.9%        |
| Pender County                      | 23.2%        | 21.3%        | 25.8%        | 11.2%  | 59            | 250           | 23.6%        |
| <b>North Carolina</b>              | <b>22.0%</b> | <b>22.5%</b> | <b>23.5%</b> | <b>6.7%</b>  | <b>12,378</b> | <b>51,590</b> | <b>24.0%</b> |

\* Inadequate total prenatal weight gain by prepregnancy weight category is <28 lbs. for underweight women (BMI < 18.5); <25 lbs. for normal weight women (BMI 18.5 to 24.9); <15 lbs. for overweight women (BMI 25 to 29.9); and > 20 lbs. for obese women (BMI >= 30).

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| County/District Health Department | CY04-CY06<br>% | CY07-CY09<br>% | CY10-CY12<br>% | % Change<br>from first 3-<br>year period to<br>most recent 3-<br>year period | CY2012         |                  |       |
|-----------------------------------|----------------|----------------|----------------|--|----------------|------------------|-------|
|                                   |                |                |                |  | Numerator<br># | Denominator<br># | %     |
| Person County                     | 23.1%          | 17.6%          | 22.9%          | -0.9%  | 52             | 215              | 24.2% |
| Pitt County                       | 22.7%          | 19.8%          | 22.4%          | -1.3%  | 229            | 1,013            | 22.6% |
| Randolph County                   | 16.9%          | 18.2%          | 20.3%          | 20.2%  | 193            | 819              | 23.6% |
| Richmond County                   | 20.2%          | 23.5%          | 24.4%          | 20.6%  | 90             | 359              | 25.1% |
| Robeson County                    | 27.8%          | 26.1%          | 26.3%          | -5.2%  | 279            | 1,113            | 25.1% |
| Rockingham County                 | 21.5%          | 19.6%          | 22.6%          | 5.4%   | 126            | 518              | 24.3% |
| Rowan County                      | 22.6%          | 22.6%          | 22.5%          | -0.8%  | 194            | 778              | 24.9% |
| Rutherford-Polk-McDowell District | 30.9%          | 27.5%          | 22.2%          | -28.3%   | 178            | 792              | 22.5% |
| Sampson County                    | 20.5%          | 18.2%          | 27.8%          | 35.2%  | 113            | 434              | 26.0% |
| Scotland County                   | 23.1%          | 26.0%          | 32.7%          | 41.5%  | 122            | 353              | 34.6% |
| Stanly County                     | 26.5%          | 27.1%          | 23.9%          | -10.0%   | 94             | 353              | 26.6% |
| Stokes County                     | 15.0%          | 17.4%          | 28.0%          | 86.0%  | 66             | 219              | 30.1% |
| Surry County                      | 17.9%          | 17.7%          | 22.4%          | 25.2%  | 95             | 392              | 24.2% |
| Swain County                      | 19.3%          | 14.7%          | 22.4%          | 16.3%  | 30             | 120              | 25.0% |
| Toe River District                | 23.0%          | 22.7%          | 24.1%          | 4.8%   | 52             | 238              | 21.8% |
| Transylvania County               | 17.9%          | 19.0%          | 23.1%          | 28.9%  | 33             | 133              | 24.8% |
| Union County                      | 21.9%          | 22.1%          | 24.8%          | 13.0%  | 157            | 666              | 23.6% |
| Wake County                       | 25.4%          | 26.7%          | 21.8%          | -14.3%   | 697            | 3,133            | 22.2% |
| Warren County                     | 26.8%          | 27.3%          | 24.8%          | -7.4%  | 34             | 117              | 29.1% |
| Wayne County                      | 22.6%          | 23.7%          | 24.8%          | 9.5%   | 233            | 946              | 24.6% |
| Wilkes County                     | 24.1%          | 29.5%          | 21.7%          | -9.8%  | 77             | 371              | 20.8% |
| Wilson County                     | 27.9%          | 29.3%          | 22.9%          | -18.2%   | 125            | 494              | 25.3% |
| Yadkin County                     | 19.2%          | 19.5%          | 22.8%          | 18.7%  | 51             | 224              | 22.8% |

|                       |              |              |              |             |               |               |              |
|-----------------------|--------------|--------------|--------------|-------------|---------------|---------------|--------------|
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|-----------------------------------|----------------|----------------|----------------|--|----------------|------------------|-------|
|                                   |                |                |                |  | Numerator<br># | Denominator<br># | %     |
| Alleghany                         | 18.3%          | 13.3%          | 25.6%          | 39.7%  | 12             | 45               | 26.7% |
| Ashe                              | 23.6%          | 25.8%          | 20.7%          | -12.5%   | 28             | 137              | 20.4% |
| Avery                             | 25.0%          | 23.2%          | 20.3%          | -18.8%   | 18             | 71               | 25.4% |
| Bertie                            | 22.7%          | 24.7%          | 48.0%          | 112.0%   | 64             | 119              | 53.8% |
| Camden                            | 32.2%          | 24.5%          | 23.8%          | -26.0%   | 6              | 24               | 25.0% |
| Chowan                            | 24.7%          | 23.8%          | 25.1%          | 1.8%   | 22             | 74               | 29.7% |
| Currituck                         | 15.8%          | 21.1%          | 26.1%          | 65.4%  | 13             | 64               | 20.3% |
| Gates                             | 28.0%          | 20.0%          | 28.6%          | 1.9%   | 7              | 34               | 20.6% |
| Granville                         | 29.9%          | 23.3%          | 20.4%          | -31.9%   | 55             | 276              | 19.9% |
| Martin                            | 24.5%          | 27.3%          | 29.0%          | 18.3%  | 40             | 133              | 30.1% |
| McDowell                          | 30.9%          | 27.5%          | 21.5%          | -30.3%   | 57             | 259              | 22.0% |
| Mitchell                          | 20.8%          | 21.3%          | 24.9%          | 19.6%  | 14             | 77               | 18.2% |
| Pasquotank                        | 23.5%          | 25.4%          | 34.1%          | 45.2%  | 69             | 197              | 35.0% |
| Perquimans                        | 27.7%          | 22.3%          | 27.9%          | 0.7%   | 18             | 69               | 26.1% |
| Polk                              | 32.6%          | 24.0%          | 19.2%          | -41.0%   | 9              | 66               | 13.6% |
| Rutherford                        | 30.5%          | 28.2%          | 23.0%          | -24.5%   | 112            | 467              | 24.0% |
| Tyrrell                           | 27.8%          | 19.7%          | 30.9%          | 11.1%  | 10             | 28               | 35.7% |
| Vance                             | 24.6%          | 27.7%          | 31.5%          | 28.0%  | 111            | 358              | 31.0% |
| Washington                        | 30.2%          | 25.2%          | 30.0%          | -0.7%  | 28             | 91               | 30.8% |
| Watauga                           | 18.3%          | 18.6%          | 14.7%          | -19.9%   | 20             | 153              | 13.1% |
| Yancey                            | 22.8%          | 23.6%          | 26.7%          | 17.0%  | 20             | 90               | 22.2% |

|                       |              |              |              |             |               |               |              |
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