

**Annex 4:** univariable and multivariable logistic regression analysis regarding preeclampsia as an associated risk factor for gestational diabetes mellitus in maternal outcomes

|                                                          | Univariable         |                  | Multivariable                |                  |
|----------------------------------------------------------|---------------------|------------------|------------------------------|------------------|
|                                                          | Odds Ratio (CI 95%) | <i>p value</i>   | Adjusted Odds Ratio (CI 95%) | <i>p value</i>   |
| Hypertension                                             | 4.97 (2.18-11.36)   | <i>&lt;0.001</i> | 5.23 (2.26-12.09)            | <i>&lt;0.001</i> |
| Hyperlipidemia                                           | 0.43 (0.19-0.97)    | <i>0.041</i>     | 0.39 (0.17-0.92)             | <i>0.031</i>     |
| Family health history of Diabetes                        | 1.20 (0.52-2.75)    | <i>0.666</i>     | -                            | -                |
| Obstetric problems                                       | 1.63 (0.79-3.38)    | <i>0.187</i>     | -                            | -                |
| Insulin resistance                                       | 1.47 (0.72-2.99)    | <i>0.29</i>      | -                            | -                |
| Weight Gain (>20 kg)                                     | 0.24 (0.03-1.76)    | <i>0.159</i>     | -                            | -                |
| Overweight/Obesity                                       | 1.94 (0.58-6.57)    | <i>0.284</i>     | -                            | -                |
| Multiparous                                              | 0.84 (0.39-1.84)    | <i>0.672</i>     | -                            | -                |
| Age >= 30                                                | 0.66 (0.32-1.36)    | <i>0.257</i>     | -                            | -                |
| <i>Each line represents a unique regression analysis</i> |                     |                  |                              |                  |