|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | RR | 95% CI | Adjusted RR | 95% CI |
| C-section | 1.06 | 1.00-1.11 | 1.07 | 0.96-1.18 |

Poisson regression analysis between disease (count) and C-section

Figure: Crude Model & Adjusted Model

Adjusted Poisson model

|  |  |  |
| --- | --- | --- |
| Source | Chi-Square | Pr > ChiSq |
| C-Section | 1.56 | 0.21 |
| religion | 2.97 | 0.09 |
| Breastfed | 2.15 | 0.14 |
| Sex | 1.64 | 0.20 |
| Mothers Education | 0.03 | 0.86 |
| Child Age | 3.55 | 0.06 |
| BMI Category | 3.18 | 0.07 |
| Wealth Index | 1.02 | 0.31 |
| Mothers Age | 0.03 | 0.86 |
| Area | 1.01 | 0.32 |
| Division | 0.01 | 0.92 |
| Weight at Birth | 1.44 | 0.84 |
| Fathers Education | 0.36 | 0.55 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Odds Ratio | 95% CI | Odds Ratio | 95% CI |
| C-section | 1.06 | 0.99-1.08 | 1.16 | 0.65-2.06 |

Logistic regression analysis between disease (binary) and C-section

Figure: Crude Model & Adjusted Model

Adjusted Logistic Model

|  |  |  |
| --- | --- | --- |
| Source | Chi-Square | Pr > ChiSq |
| C-Section | 0.25 | 0.62 |
| religion | 0.79 | 0.38 |
| Breastfed | 3.05 | 0.08 |
| Sex | 0.56 | 0.45 |
| Mothers Education | 0.61 | 0.43 |
| Child Age | 0.70 | 0.40 |
| BMI Category | 1.33 | 0.25 |
| Wealth Index | 1.19 | 0.28 |
| Mothers Age | 0.00 | 0.99 |
| Area | 0.58 | 0.45 |
| Division | 0.24 | 0.63 |
| Weight at Birth | 0.19 | 0.99 |
| Fathers Education | 0.85 | 0.36 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Mode of Delivery | | |  |
|  |  | Vaginal | Cesarean | Total |  |
|  |  | N (%) | N (%) | N (%) | P-Value |
| Breastfeed | Yes | 827(37.67) | 1327(61.50) | 2154(99.17) | 0.0058 |
| No | 9(0.32) | 12(0.51) | 21(0.83) |  |
| Sex | Male | 423(19.01) | 730(32.35) | 1153(51.36) | 0.4297 |
| Female | 414(18.90) | 614(29.74) | 1028(48.64) |  |
| Child Weight in kg, Mean(SD) |  | 7.71(2.17) | 8.12(2.23) | 7.72(2.88) | <.0001 |
| Child weight at birth in kg, Mean(SD) |  | 2.62((0.824) | 2.731(0.83) | 2.62(0.82) | <.0001 |
| Child age in months | 0-12 | 410(27.60) | 686(33.05) | 1096(36.12) | 0.7671 |
|  | 13-24 | 426(26.86) | 653(32.58) | 1079(35.75) |  |
| Disease(By median value) | Less than 3 | 382(17.20) | 559(25.61) | 941(42.78) | 0.1671 |
|  | Greater equal 3 | 435(20.23) | 746(36.50) | 1181(57.22) |  |
| Disease(By Count) | 1 disease held | 90(4.30) | 139(6.29) | 229(10.59) | 0.1047 |
|  | 2 disease held | 292(12.87) | 420(19.32) | 712(32.20) |  |
|  | 3 disease held | 285(13.82) | 422(20.97) | 707(34.79) |  |
|  | 4 disease held | 96(5.10) | 222(10.96) | 318(16.10) |  |
|  | 5 disease held | 32(1.11) | 79(3.53) | 111(4.65) |  |
|  | 6 disease held | 13(0.43) | 20(0.74) | 33(1.18) |  |
|  | 7 disease held | 9(0.26) | 3(0.28) | 12(0.55) |  |
| Size at birth | Very large | 0(0.00) | 6(0.21) | 6(0.21) | 0.0862 |
|  | Larger than average | 145(6.35) | 279(13.75) | 424(20.1) |  |
|  | Average | 526(24.86) | 794(37.4) | 1320(62) |  |
|  | Smaller than average | 123(5.21) | 201(9.63) | 324(14.84) |  |
|  | Very small | 24(1.21) | 41(1.74) | 65(2.95) |  |

***Child***