**Table 1: Sample size calculation for Different scenarios and risk factors**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Factor** | **% of controls exposed** | **% of cases exposed** | **OR**  | **Calculated the number of cases** | **Calculated the number of controls** | **Total sample size (with 10% NRR)** | **References used** |
| **Smoking** | 16.6 | 26.3 | 1.8 | 243 | 485 | 728\*\*\* | (Qing Ling Fu, 2016) |
| **Occupation** | 35.8 | 54.7 | 2.2 | 88 | 176 | 291 | Ibrahim, 2013 & Anil et al 2011 |
| **Education** | 62 | 83 | 2.99 | 61 | 122 | 201 |
| **Parental atopy**  | 25.5 | 54.7 | 3.5 | 37 | 73 | 121 |
| **Family history of asthma**  | 17 | 50.9 | 5.0 | 26 | 51 | 85 |

\*\*\* The actual sample size for this study