# TABLE 1. UNIVARIATE coefficients and odds

| **variable** | **label** | **coef** | **crude odds** | **CI odds** |
| --- | --- | --- | --- | --- |
| loud\_snore\_b | How loud does your child snore? | 2.088871 | 8.07579 | [2.6318-24.7806] |
| stop\_beathing\_night | A7-SEEN YOUR CHILD STOP BREATHING DURING THE NIGHT? | 1.956314 | 7.07321 | [0.8948-55.9099] |
| steroid\_nasal\_spray | Chils used steroid nasal sprays or drops (last three months?) | 1.526962 | 4.60417 | [0.5594-37.894] |
| antiacids | Child use antacids(Gaviscon) or proton pump inhibitors? | 1.236763 | 3.44444 | [0.5188-22.8676] |
| c\_symptoms | Rhinorhoea and nasal obstruction lasting longer than two weeks. | 0.889857 | 2.43478 | [0.7525-7.8784] |
| medication\_a | Salbutamol inhaler (eg Ventolin) | 0.869038 | 2.38462 | [0.2009-28.2991] |
| b\_symptoms | Persistent itching or rubbing of the nose | 0.831550 | 2.29688 | [0.6921-7.6224] |
| snore\_sleep\_b | Child snore while asleep? | 0.818010 | 2.26599 | [1.3517-3.7986] |
| allergic\_rhinitis | Child known to have allergic rhinitis? | 0.674798 | 1.96364 | [0.5201-7.4134] |
| sex | Sex | 0.637577 | 1.89189 | [0.5371-6.6642] |
| concrn\_breath\_b | Concerns about your child breathing while asleep? | 0.625524 | 1.86922 | [1.3117-2.6637] |
| struggle\_breath\_b | Child struggle breathing while asleep? | 0.623168 | 1.86483 | [0.9604-3.6208] |
| allergic\_rhinitis\_diag | Allergic rhinitis | 0.557015 | 1.74545 | [0.5276-5.7748] |
| sleepy\_day | 5. APPEARS SLEEPY DURING THE DAY?B4 | 0.509039 | 1.66369 | [0.4813-5.7509] |
| medication\_e | Nebulization | 0.492476 | 1.63636 | [0.3805-7.0367] |
| birth weight |  | 0.450416 | 1.56897 | [0.1774-13.8782] |
| wheezing | He/she had wheezing in the last 3 months? | 0.430783 | 1.53846 | [0.415-5.7034] |
| snore\_badly | A4-snore badly | 0.264438 | 1.30270 | [0.4682-3.625] |
| waking\_unrefreshed | B1- wake up feeling unrefreshed in the morning? | 0.229807 | 1.25836 | [0.5139-3.0815] |
| snore\_sleep | Child snore while asleep? | 0.221981 | 1.24855 | [0.777-2.0062] |
| wet\_bed | A32- for children above 4yrs;occasionally wet the bed? | 0.164622 | 1.17895 | [0.3129-4.4416] |
| snore\_more | A2-snore more than half the time | 0.137275 | 1.14714 | [0.3771-3.4894] |
| a\_symptoms | Persistent sneezing | 0.121697 | 1.12941 | [0.3125-4.0813] |
| heavy\_loud\_breathing | A5-Have heavy or loud breathing | 0.084183 | 1.08783 | [0.3746-3.1588] |
| employment | Employment | 0.081183 | 1.08457 | [0.5451-2.1578] |
| age |  | 0.079158 | 1.08238 | [0.8571-1.3668] |
| asthma\_diag | Asthma | 0.056570 | 1.05820 | [0.3143-3.5633] |
| conserns | Concerns about your child breathing while asleep? | 0.010619 | 1.01068 | [0.7273-1.4044] |
| medication\_f | Antihistamine | 0.008969 | 1.00901 | [0.3142-3.2407] |
| diff\_organizing | C5- has difficulty organizing task and activity? | -0.034642 | 0.96595 | [0.3388-2.7542] |
| breath\_thru\_mouth | A24- Tend to breathe through the mouth during the day? | -0.062520 | 0.93939 | [0.2955-2.9866] |
| bmi |  | -0.069190 | 0.93315 | [0.7713-1.129] |
| rouble\_breathing | A6- has trouble breathing or struggle to breathe | -0.076961 | 0.92593 | [0.2776-3.0886] |
| child\_asthma | Child known to have asthma? | -0.096850 | 0.90769 | [0.0977-8.4366] |
| medication | Ventolin syrup | -0.131336 | 0.87692 | [0.0943-8.1548] |
| fidgets\_hands | C10- fidgets with hands or feet or squirms in seat? | -0.140838 | 0.86863 | [0.3105-2.4297] |
| listens\_b | C3-listen when spoken to directly? | -0.151881 | 0.85909 | [0.256-2.8824] |
| insuarance | Insurance scheme | -0.165765 | 0.84725 | [0.5046-1.4226] |
| listen | C3-listen when spoken to directly? | -0.176993 | 0.83779 | [0.2895-2.4248] |
| struggle\_breathing | Child struggle breathing while asleep? | -0.193333 | 0.82421 | [0.5705-1.1907] |
| interrupts\_b | C18- interrupts or intrudes on others eg. butts into conversation | -0.195309 | 0.82258 | [0.2566-2.6372] |
| v26 | Prominent inferior turbinates | -0.254692 | 0.77515 | [0.4013-1.4972] |
| osa\_binary | baseline OSA | -0.278713 | 0.75676 | [0.238-2.4067] |
| osa\_b\_binary | residual OSA | -0.278713 | 0.75676 | [0.238-2.4067] |
| snore\_loud | How loud does your child snore? | -0.293722 | 0.74548 | [0.4985-1.1148] |
| sleeping\_prob | B2- have a problem with sleepiness during the day? | -0.356675 | 0.70000 | [0.1904-2.5742] |
| c\_findings | Allergic shiners | -0.473784 | 0.62264 | [0.0591-6.5582] |
| wet\_bed\_b | A32- for children above 4yrs;occasionally wet the bed? | -0.615822 | 0.54020 | [0.1564-1.8654] |
| stopped\_growing | 8. STOPPED GROWING AT A NORMAL RATE AT ANY TIME SINCE BIRTH?B9. | -0.664976 | 0.51429 | [0.1546-1.7111] |
| dry\_mouth | A25-tend to have a dry mouth on waking up in the morning? | -0.717270 | 0.48808 | [0.1917-1.2429] |
| snore\_always | A3-always snore | -0.765294 | 0.46520 | [0.1464-1.4781] |
| intrudes | C18- interrupts or intrudes on others eg. butts into conversation | -0.804010 | 0.44753 | [0.1351-1.4823] |
| overweight | 9. CHILD OVERWEIGHT?B22 | -0.836248 | 0.43333 | [0.0365-5.1447] |
| apnoea\_during\_sleep | Have you witnessed an apnoea during sleep? | -0.859256 | 0.42348 | [0.1938-0.9253] |
| shake\_breath | Shake your child to breathe? | -0.903698 | 0.40507 | [0.1402-1.1701] |
| diff\_tasks | C5- has difficulty organizing task and activity? | -1.015548 | 0.36220 | [0.1223-1.073] |
| active | C14-is on the go or often acts as if driven by a motor?. | -1.020570 | 0.36039 | [0.0918-1.4151] |
| easily\_distructed | C8- is easily distracted by extraneous stimuli? | -1.026070 | 0.35841 | [0.1128-1.1391] |
| fidgets\_b | C10- fidgets with hands or feet or squirms in seat? | -1.041454 | 0.35294 | [0.1002-1.2433] |
| wake\_headaches | 7. WAKE UP WITH HEADACHES ?B7 | -1.105948 | 0.33090 | [0.1178-0.9293] |
| hard\_wake | 6. HARD TO WAKE CHILD UP ?B6 | -1.272966 | 0.28000 | [0.084-0.933] |
| not\_growing\_b | 8. STOPPED GROWING AT A NORMAL RATE AT ANY TIME SINCE BIRTH?B9. | -1.386294 | 0.25000 | [0.0745-0.8394] |
| findings\_b | Allergic dorsal nasal crease | -1.609438 | 0.20000 | [0.0116-3.4451] |
| headache\_b | 7. WAKE UP WITH HEADACHES ?B7 | -1.729239 | 0.17742 | [0.0316-0.9948] |
| distracted\_b | C8- is easily distracted by extraneous stimuli? | -1.778514 | 0.16889 | [0.0471-0.6059] |
| breath\_mouth\_b | A24- Tend to breathe through the mouth during the day? | -2.109778 | 0.12126 | [0.0339-0.4338] |
| prob\_sleeping | B2- have a problem with sleepiness during the day? | -2.136793 | 0.11803 | [0.0266-0.5234] |
| snore\_always\_b | A3-always snore | -2.136793 | 0.11803 | [0.0266-0.5234] |
| hard\_wake\_b | 6. HARD TO WAKE CHILD UP ?B6 | -2.440735 | 0.08710 | [0.0177-0.4284] |
| active\_b | C14-is on the go or often acts as if driven by a motor?. | -2.472576 | 0.08437 | [0.0104-0.683] |
| snore\_more\_b | A2-snore more than half the time | -2.859600 | 0.05729 | [0.0055-0.6018] |
| snore\_heavy\_b | A5-Have heavy or loud breathing | -3.162305 | 0.04233 | [0.0073-0.2463] |
| dry\_mouth\_b | A25-tend to have a dry mouth on waking up in the morning? | -3.202069 | 0.04068 | [0.0097-0.1703] |
| unfreshed\_b | B1- wake up feeling unrefreshed in the morning? | -3.413816 | 0.03292 | [0.0074-0.1473] |
| trouble\_breathing\_b | A6- has trouble breathing or struggle to breathe | -3.737670 | 0.02381 | [0.0041-0.1386] |