|  | **P. Falciparum Recent** | | | **P. Falciparum Historical** | | | **P. Vivax Recent** | | | **P. Vivax Historical** | | | **Overall** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Negative**, N = 3,9811 | **Positive**, N = 191 | **p-value**2 | **Negative**, N = 3,9181 | **Positive**, N = 821 | **p-value**2 | **Negative**, N = 3,8141 | **Positive**, N = 1861 | **p-value**2 | **Negative**, N = 3,7831 | **Positive**, N = 2171 | **p-value**2 | **N = 4,000**1 |
| **Districts** |  |  | 0.359 |  |  | **<0.001** |  |  | **<0.001** |  |  | **<0.001** |  |
| Belen | 2,017 (50.7%) | 12 (63.2%) |  | 1,964 (50.1%) | 65 (79.3%) |  | 1,904 (49.9%) | 125 (67.2%) |  | 1,890 (50.0%) | 139 (64.1%) |  | 2,029 (50.7%) |
| Indiana | 1,964 (49.3%) | 7 (36.8%) |  | 1,954 (49.9%) | 17 (20.7%) |  | 1,910 (50.1%) | 61 (32.8%) |  | 1,893 (50.0%) | 78 (35.9%) |  | 1,971 (49.3%) |
| **Gender** |  |  | 0.651 |  |  | 0.058 |  |  | **<0.001** |  |  | **<0.001** |  |
| Male | 2,058 (51.7%) | 11 (57.9%) |  | 2,018 (51.5%) | 51 (62.2%) |  | 1,922 (50.4%) | 147 (79.0%) |  | 1,919 (50.7%) | 150 (69.1%) |  | 2,069 (51.7%) |
| Female | 1,923 (48.3%) | 8 (42.1%) |  | 1,900 (48.5%) | 31 (37.8%) |  | 1,892 (49.6%) | 39 (21.0%) |  | 1,864 (49.3%) | 67 (30.9%) |  | 1,931 (48.3%) |
| **Age** | 20 (9.4, 45) | 9 (5.3, 27) | **0.038** | 19 (9.2, 44) | 43 (16.7, 57) | **<0.001** | 18 (8.9, 43) | 53 (40.2, 68) | **<0.001** | 18 (8.9, 42) | 53 (39.7, 67) | **<0.001** | 20 (9.3, 45) |
| **Economic Activities** |  |  | 0.330 |  |  | **<0.001** |  |  | **<0.001** |  |  | **<0.001** |  |
| None | 861 (21.6%) | 7 (36.8%) |  | 862 (22.0%) | 6 (7.4%) |  | 856 (22.5%) | 12 (6.5%) |  | 854 (22.6%) | 14 (6.5%) |  | 868 (21.7%) |
| Forest Related | 1,042 (26.2%) | 5 (26.3%) |  | 1,005 (25.7%) | 42 (51.9%) |  | 910 (23.9%) | 137 (73.7%) |  | 905 (23.9%) | 142 (65.4%) |  | 1,047 (26.2%) |
| Trader | 103 (2.6%) | 1 (5.3%) |  | 101 (2.6%) | 3 (3.7%) |  | 101 (2.7%) | 3 (1.6%) |  | 101 (2.7%) | 3 (1.4%) |  | 104 (2.6%) |
| Housewife/student | 1,815 (45.6%) | 6 (31.6%) |  | 1,792 (45.8%) | 29 (35.8%) |  | 1,792 (47.0%) | 29 (15.6%) |  | 1,772 (46.9%) | 49 (22.6%) |  | 1,821 (45.6%) |
| Others | 157 (3.9%) | 0 (0.0%) |  | 156 (4.0%) | 1 (1.2%) |  | 152 (4.0%) | 5 (2.7%) |  | 148 (3.9%) | 9 (4.1%) |  | 157 (3.9%) |
| **Trip in the last month** |  |  | 0.269 |  |  | 0.463 |  |  | 0.875 |  |  | 0.060 |  |
| No | 3,590 (90.2%) | 19 (100.0%) |  | 3,532 (90.2%) | 77 (93.9%) |  | 3,439 (90.2%) | 170 (91.4%) |  | 3,423 (90.5%) | 186 (85.7%) |  | 3,609 (90.3%) |
| Yes | 381 (9.6%) | 0 (0.0%) |  | 376 (9.6%) | 5 (6.1%) |  | 365 (9.6%) | 16 (8.6%) |  | 350 (9.3%) | 31 (14.3%) |  | 381 (9.5%) |
| Don't Know/No Answer | 8 (0.2%) | 0 (0.0%) |  | 8 (0.2%) | 0 (0.0%) |  | 8 (0.2%) | 0 (0.0%) |  | 8 (0.2%) | 0 (0.0%) |  | 8 (0.2%) |
| **Usual places to bathe** |  |  | 0.130 |  |  | 0.972 |  |  | **<0.001** |  |  | **0.017** |  |
| Bathroom inside the dwelling | 455 (11.5%) | 0 (0.0%) |  | 447 (11.4%) | 8 (9.8%) |  | 446 (11.7%) | 9 (4.8%) |  | 438 (11.6%) | 17 (7.8%) |  | 455 (11.4%) |
| Bathroom outside the dwelling | 377 (9.5%) | 0 (0.0%) |  | 370 (9.5%) | 7 (8.5%) |  | 368 (9.7%) | 9 (4.8%) |  | 360 (9.5%) | 17 (7.8%) |  | 377 (9.5%) |
| In the countryside/river | 118 (3.0%) | 1 (5.3%) |  | 117 (3.0%) | 2 (2.4%) |  | 116 (3.1%) | 3 (1.6%) |  | 118 (3.1%) | 1 (0.5%) |  | 119 (3.0%) |
| Other | 3,019 (76.1%) | 18 (94.7%) |  | 2,972 (76.1%) | 65 (79.3%) |  | 2,872 (75.5%) | 165 (88.7%) |  | 2,855 (75.7%) | 182 (83.9%) |  | 3,037 (76.2%) |
| **Mosquito Net** | 3,936 (99.1%) | 19 (100.0%) | >0.999 | 3,875 (99.2%) | 80 (97.6%) | 0.161 | 3,769 (99.1%) | 186 (100.0%) | 0.409 | 3,739 (99.1%) | 216 (99.5%) | >0.999 | 3,955 (99.1%) |
| **History of fever in the last month** | 375 (9.4%) | 2 (10.5%) | 0.699 | 364 (9.3%) | 13 (15.9%) | 0.054 | 347 (9.1%) | 30 (16.1%) | **0.003** | 349 (9.2%) | 28 (12.9%) | 0.093 | 377 (9.4%) |
| **Symptoms or signs in the last month: Headache** | 415 (10.4%) | 1 (5.3%) | 0.713 | 399 (10.2%) | 17 (20.7%) | **0.005** | 380 (10.0%) | 36 (19.4%) | **<0.001** | 380 (10.0%) | 36 (16.6%) | **0.004** | 416 (10.4%) |
| **Symptoms or signs in the last month: Muscle or joint pain** | 276 (6.9%) | 0 (0.0%) | 0.637 | 267 (6.8%) | 9 (11.0%) | 0.180 | 251 (6.6%) | 25 (13.4%) | **<0.001** | 252 (6.7%) | 24 (11.1%) | **0.018** | 276 (6.9%) |
| **Symptoms or signs in the last month: General malaise** | 272 (6.8%) | 0 (0.0%) | 0.636 | 266 (6.8%) | 6 (7.3%) | 0.823 | 247 (6.5%) | 25 (13.4%) | **<0.001** | 249 (6.6%) | 23 (10.6%) | **0.036** | 272 (6.8%) |
| **Ever had malaria** |  |  | 0.832 |  |  | **<0.001** |  |  | **<0.001** |  |  | **<0.001** |  |
| No | 2,805 (70.5%) | 13 (68.4%) |  | 2,793 (71.4%) | 25 (30.5%) |  | 2,786 (73.1%) | 32 (17.2%) |  | 2,786 (73.7%) | 32 (14.7%) |  | 2,818 (70.5%) |
| Yes | 1,144 (28.8%) | 6 (31.6%) |  | 1,094 (28.0%) | 56 (68.3%) |  | 1,000 (26.3%) | 150 (80.6%) |  | 968 (25.6%) | 182 (83.9%) |  | 1,150 (28.8%) |
| Don't Know / No Answer | 27 (0.7%) | 0 (0.0%) |  | 26 (0.7%) | 1 (1.2%) |  | 23 (0.6%) | 4 (2.2%) |  | 24 (0.6%) | 3 (1.4%) |  | 27 (0.7%) |
| **Distance Category to Regional Hospital and Health Facilities** |  |  | 0.605 |  |  | **<0.001** |  |  | **<0.001** |  |  | **<0.001** |  |
| Proximate | 1,345 (33.8%) | 4 (21.1%) |  | 1,338 (34.2%) | 11 (13.4%) |  | 1,343 (35.2%) | 6 (3.2%) |  | 1,335 (35.3%) | 14 (6.5%) |  | 1,349 (33.7%) |
| Moderate | 688 (17.3%) | 4 (21.1%) |  | 683 (17.4%) | 9 (11.0%) |  | 685 (18.0%) | 7 (3.8%) |  | 683 (18.1%) | 9 (4.1%) |  | 692 (17.3%) |
| Distant | 1,026 (25.8%) | 5 (26.3%) |  | 1,004 (25.6%) | 27 (32.9%) |  | 957 (25.1%) | 74 (39.8%) |  | 940 (24.8%) | 91 (41.9%) |  | 1,031 (25.8%) |
| Extra Distant | 922 (23.2%) | 6 (31.6%) |  | 893 (22.8%) | 35 (42.7%) |  | 829 (21.7%) | 99 (53.2%) |  | 825 (21.8%) | 103 (47.5%) |  | 928 (23.2%) |
| 1n (%); Median (IQR) | | | | | | | | | | | | | |
| 2Fisher's Exact Test for Count Data; Wilcoxon rank sum test; Fisher's Exact Test for Count Data with simulated p-value  (based on 2000 replicates) | | | | | | | | | | | | | |