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| **Material 1 ：The Data of map about the catchment area of pilot project** |
| **Region** | Range | **Components**  | **Borderline（Km)** | **Latitude** | **Longitude**  | **Altitude（m）** | **Population** | **Health Facilities** |
| +1 area | Zone of 20.5Km ×2.5Km along border in Laiza City of Kachin Special Region II,Myanmar | Laiza City  | 20.5 | 24.76872457  | 97.56859837  | 290 | 6503 | Laiza Central Hospital，Laiza City Hospital，The Camp Clinic of Je Yang Hka, The Camp Clinic of Hpum Lum Yang |
| Mung Seng Yang Village | 24.72868600  | 97.55661100  | 177 | 748 |
| Ja Htu Kawng Village | 24.70784201  | 97.56714866  | 237 | 494 |
| Je Yang Hka IDP Camp | 24.69068739  | 97.56766467  | 270 | 8461 |
|  Border School Tsang | 24.67423051  | 97.56697721  | 324 | 500 |
| Hpum Lum Yang IDP Camp | 24.66143100  | 97.57310900  | 342 | 3462 |
| Sut Mu Awng Village  | 24.63707800  | 97.56625700  | 467 | 176 |
| The first preventive line | Zone of 20.5Km×2.5Km border area in Yingjiang County corresponding to "+1 "area of Myanmar  | Jie Dao Village | 20.5 | 24.74921497  | 97.55847493  | 203 | 153 | Nabang Township Hospital, Malaria Consultation Post of Nabang Township，4 village clinics |
| Shang Tian Ba Village  | 24.76252939  | 97.56901749  | 262 | 221 |
| Wang Jia Zhai Village  | 24.73029635  | 97.56741697  | 240 | 176 |
| Jing Po Zhai Village  | 24.72501600  | 97.56946100  | 230 | 321 |
| Ka Ya He Village | 24.72184400  | 97.57058400  | 211 | 126 |
| Qiao Tou Village | 24.71393614  | 97.57326715  | 209 | 119 |
| Dao Nong Village | 24.67034000  | 97.58588800  | 800 | 245 |
| Li Su Zhai Village | 24.72465500  | 97.56965300  | 207 | 102 |
| Nan Kai Shan Village | 24.65560256  | 97.58058750  | 762 | 254 |
| Lu Ding Shan Village | 24.64803388  | 97.58559647  | 850 | 380 |
| The second preventive line | The other border areas in Yingjiang County besides the first preventive line | Zhi Na Township | 191.2 | 25.15073684  | 98.12833319  | 1041 | 15937 | 9 township hospitals, 62 village clinics, 2 Malaria Consultation Posts  |
| Nong Zhang Township | 24.61588448  | 97.88152051  | 816 | 50721 |
| Tai Ping Township  | 24.66016085  | 97.85125756  | 812 | 31114 |
| Tong Bi Guan Township  | 24.61380505  | 97.65594708  | 1341 | 6891 |
| Xi Ma Township | 24.75691044  | 97.70023645  | 1693 | 14237 |
| Ka Chang Township  | 24.98629809  | 97.80093138  | 1224 | 9762 |
| Su Dian Township | 25.10684808  | 97.93789494  | 1700 | 8593 |
| Meng Nong Township | 24.90687103  | 97.90491992  | 1774 | 11222 |
| The third preventive line | The non-border areas in Yingjiang County | Zhan xi Township | 0 | 25.06668008  | 98.14995857  | 992 | 26038 | 7 township hospitals, 61 village clinics, Malaria Consultation Post of Tai Ping township. |
| Mang Zhang Township | 24.97238656  | 98.12356622  | 1003 | 13377 |
| Xing Cheng Township | 24.78045804  | 98.07643776  | 852 | 20112 |
| Jiu Cheng Township | 24.74445250  | 98.07575235  | 847 | 23420 |
| You Song Lin Township | 24.71039864  | 98.17886497  | 1910 | 15347 |
| Ping Yuan Township | 24.71010153  | 97.93181490  | 827 | 63488 |

Material2：Data of Fig2

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| 　 | No.of cases in the first preventive line | No. of cases in the second preventive line | No. of cases in the third preventive line | API in +1area of Myanmar | AIR in the first preventive line |
| 2015 | 110 | 23 | 42 | 48.28 | 60.37 |
| 2016 | 100 | 30 | 56  | 104.77  | 57.63 |
| 2017 | 119 | 22 | 38  | 98.01  | 57.57 |
| 2018 | 52 | 18 | 35  | 32.30  | 24.8 |
| 2019 | 39 | 14 | 39  | 12.18  | 18.01 |

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| 　 | AIR1 | AIR in the second preventive line | AIR in the third preventive line  | AIR in YJC | API in “+1”area |
| 2015  | 60.37 | 0.16 | 0.26 | 0.56  | 48.28 |
| 2016  | 57.63 | 0.2 | 0.34 | 0.59  | 104.77  |
| 2017  | 57.57 | 0.15 | 0.24 | 0.58  | 98.01  |
| 2018  | 24.8 | 0.12 | 0.22 | 0.34  | 32.30  |
| 2019  | 18.01 | 0.1 | 0.22 | 0.28  | 12.18  |

Material 3：Data of Fig3

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| 　 | Month | Density of +1 area of Myanmar | No. of cases in +1 area of Myanmar | Density of the first preventive line | No. of cases of the first preventive line |
| average | Jun. | 1.92 | 76  | 2.55  | 14  |
| Jul. | 0.39 | 67  | 0.63  | 17  |
| Aug. | 0.34 | 27  | 0.10  | 4  |
| Sep. | 0.13 | 16  | 0.14  | 4  |