



Monthly Malaria Situation of Category - 2 States/UTs



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Situational Analysis, Trends and Action Points

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INTRODUCTION & SUMMARY SHEET

The surveillance information of Malaria of June 2021 in Category-2 states is enclosed in this Monthly Malaria Situation Information Report. The various indicators analyzed in this report are BSE, TPC, TPR and PF.

GRAPH 1: MONTH WISE TREND OF BSE IN CATEGORY- 2 STATES



There is a decline of BSE by 7.9% upto June 2021 as compared to last three years average cumulative. There is an increase of BSE by 12.2% upto June 2021 vis-à-vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN CATEGORY- 2 STATES



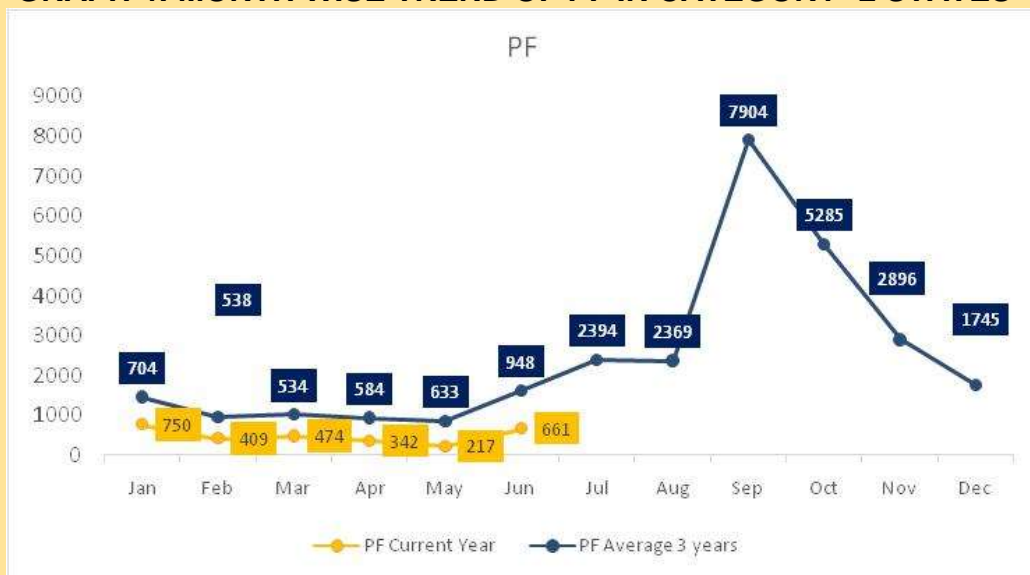
There is a 62.4% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 29.2 % decrease in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN CATEGORY- 2 STATES



The TPR was 0.03 Upto June 2021 as compared to 0.07 for last three years average and 0.05 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN CATEGORY- 2 STATES



There is a 27.6% decrease In PF cases upto June 2021 as compared to last three years average. There is a 25.4% decline in PF cases Upto June 2021 vis-à-vis upto June 2020.

List of Districts showing a decrease in Surveillance in the Category 2 States

	States/UTs	Districts showing a decrease in Surveillance
1	Andhra Pradesh	West Godavari
2	Bihar	Aurangabad, Jamui, Lakhisarai, Munger, Patna, Sitamarhi, Siwan, Vaishali, West Champaran
3	Nagaland	Dimapur, Kohima, Longleng, Mon, Phek, Tuensang, U.V.B.D.S. Dimapur
4	Tamil nadu	Dindigul, Greater Chennai Corp., Kallakurichi, Perambalur, Thanjavur, Thiruppattur
5	Telangana	Afiasifabad, Bhupalapally (Jayashankar), Jagityal, Janagoan, Kamareddy, Karimnagar, Khammam, Kothagudem(Bhadradi), Mahabubnagar, Medak, Mulugu, Nagarkurnool, Nirmal, Nizamabad, Rangareddy, Sangareddy, Siddipet, Warangal(Urban)
6	West Bengal	Birbhum, Jalpaiguri, Kolkata Municipal Corp., Malda, Nadia, Paschim Bardhaman, Pvt. Hospital & Others
7	Assam	Chirang, Dhemaji, Dhubri, Dima Hasaon, K-Anglong, Kokrajhar, Nalbari, Tinsukia, Udalguri
8	Gujarat	Narmada, Surat
9	Karnataka	Bagalkot, Bangalore(Rural), Bangalore(Urban), Belgaum (Belgavi), Bellary, Bijapura (Vijayapura), Chamarajnagar, Chikballapura, Chitradurga, Dharwar, Gulbarga(Kalbargi), Hassan, Haveri, Kodagu, Koppal, Mandya, Mysore, Raichur, Ramanagara, Shimoga
10	Maharashtra	Ahmednagar, Akola, Amravati, Aurangabaad, Beed, Buldhana, Chandrapur, Dhule, Gondia, Hingoli, Jalgaon, Jalna, Kolhapur, Latur, Nagpur, Nanded, Nandurbar, Nashik, NMC, Osmanabad, Parbhani, PMC, Pune, Ratnagiri, Sangli, Satara, Sindhudurg, Solapur, Wardha, Washim, Yeotmal
11	Uttar Pradesh	Allahabad, Ambedkar Nagar, Auraiya, Azamgarh, Badaun, Ballia, Balrampur, Banda, Chitrakoot, Deoria, Farrukhabad, Fatehpur, Firozabad, Ghaziabad, Ghazipur, Gorakhpur, Hathras, Jalaun, Jaunpur, Jhansi, JP Nagar (Amroha), Kashiram Nagar (Kashganj), Kaushambi, Kheri, Mau, Meerut, Moradabad, Rampur, Sambhal, Shahjahanpur, Shravasti, Siddharth Nagar, St R D Nagar, St. Kabir Nagar, Sultanpur, Unnao

Action points for all Category 2 States/UTs:

- States /UTs need to share the detailed case reports regarding any COVID19-Malaria co-infections reported in the state.
- States/UTs to focus on improving Malaria surveillance along with COVID19 activities.
- States/UTs need to perform data analysis at sub district level to identify hotspots and implement focal strategies.
- States/UTs need to focus on surveillance of migratory workers.
- States/UTs need to conduct regular meetings of district and state task force for Malaria Elimination.
- States/UTs need preparedness and response for any Malaria outbreak.
- States/UTs need to intensify monitoring and supervision activities.
- State /UTs need to ensure >80% usage of LLIN by community.
- States/UTs to intensify vector control measures by identifying potential vector breeding sites, environmental management, biological control and focus based adult vector control measures.

2) ASSAM

GRAPH 1: MONTH WISE TREND OF BSE IN ASSAM



There is a decline of BSE by 16.9% upto June 2021 as compared to last three years average cumulative. There is a increase of BSE by 18.3% upto June 2021 vis-à-vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN ASSAM



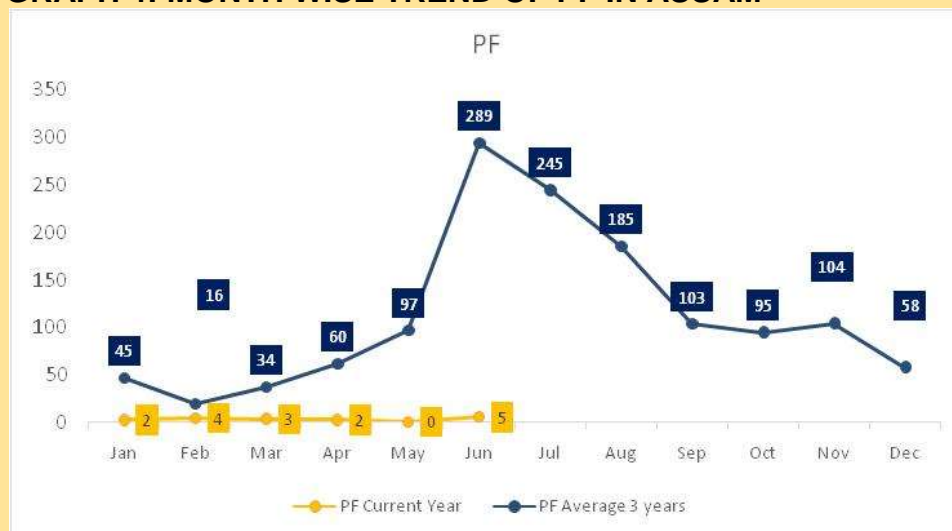
There is a 94.0% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 72.3% decrease in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN ASSAM



The TPR was 0 Upto June 2021 as compared to 0.07 for last three years average and 0.02 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN ASSAM



There is a 97.0% decrease In PF cases upto June 2021 as compared to last three years average. There is a 83.2% decline in PF cases Upto June 2021 vis-à-vis upto June 2020.

3) BIHAR

GRAPH 1: MONTH WISE TREND OF BSE IN BIHAR



There is a 52.5% increase in BSE upto June 2021 as compared to last three years average cumulative. There is also a 64.2% increase in BSE upto June 2021 vis-à-vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN BIHAR



There is a 47.2% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 28.5% increase in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN BIHAR



The TPR was 0.24 Upto June 2021 as compared to 0.68 for last three years average and 0.31 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN BIHAR



There is a 19.7% decrease In PF cases upto June 2021 as compared to last three years average. There is a 22.5% increase in PF cases Upto June 2021 vis-à-vis upto June 2020.

4) GUJARAT

GRAPH 1: MONTH WISE TREND OF BSE IN GUJARAT



There is a increase of BSE by 11.4% upto June 2021 as compared to last three years average cumulative. There is also a increase of BSE by 28.2% upto June 2021 vis-à- vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN GUJARAT



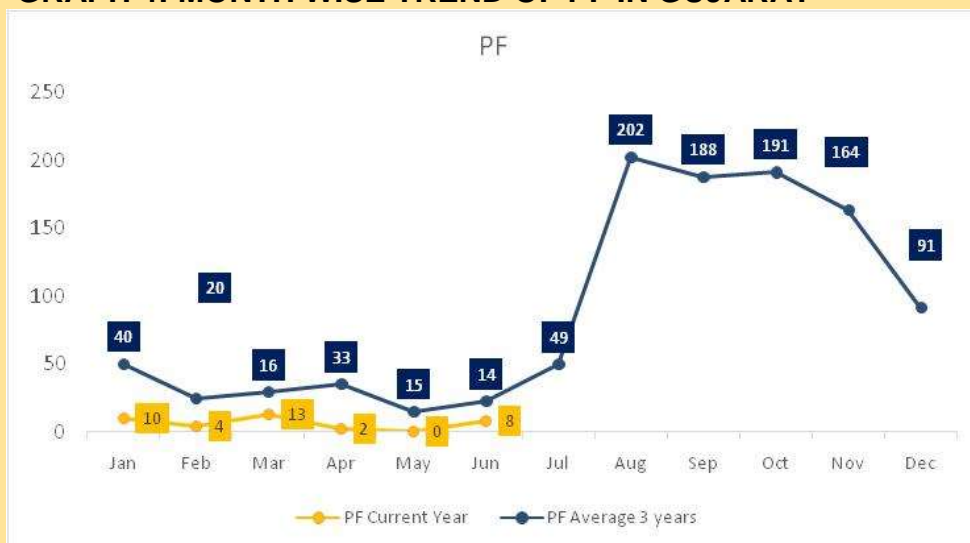
There is a 82.6% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 53.2% decrease in TPC upto June 2021 vis-à- vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN GUJARAT



The TPR was 0.01 Upto June 2021 as compared to 0.06 for last three years average and 0.03 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN GUJARAT



There is a 73.1% decrease In PF cases upto June 2021 as compared to last three years average. There is a 41.3% decline in PF cases Upto June 2021 vis-à-vis upto June 2020.

5) KARNATAKA

GRAPH 1: MONTH WISE TREND OF BSE IN KARNATAKA



There is a decline of BSE by 23.6% upto June 2021 as compared to last three years average cumulative. There is also a decline of BSE by 5.9% upto June 2021 vis-à-vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN KARNATAKA



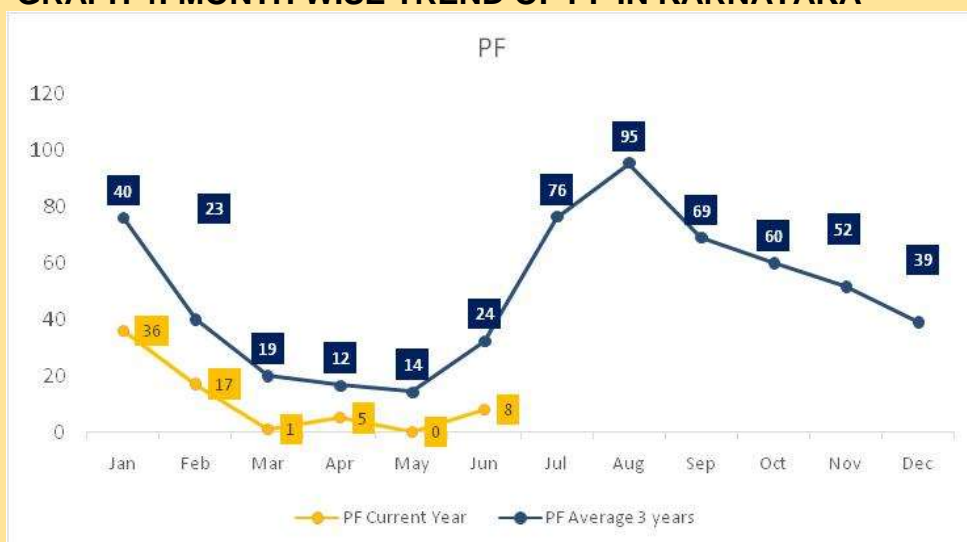
There is a 67.1% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 28.8% decrease in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN KARNATAKA



The TPR was 0.01 Upto June 2021 as compared to 0.03 for last three years average and 0.01 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN KARNATAKA



There is a 49.4% decrease In PF cases upto June 2021 as compared to last three years average. There is a 39.6% increase in PF cases Upto June 2021 vis-à-vis upto June 2020.

6) MAHARASHTRA

GRAPH 1: MONTH WISE TREND OF BSE IN MAHARASHTRA



There is a decline of BSE by 18.5% upto June 2021 as compared to last three years average cumulative. There is also a decline of BSE by 7.8% upto June 2021 vis-à-vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN MAHARASHTRA



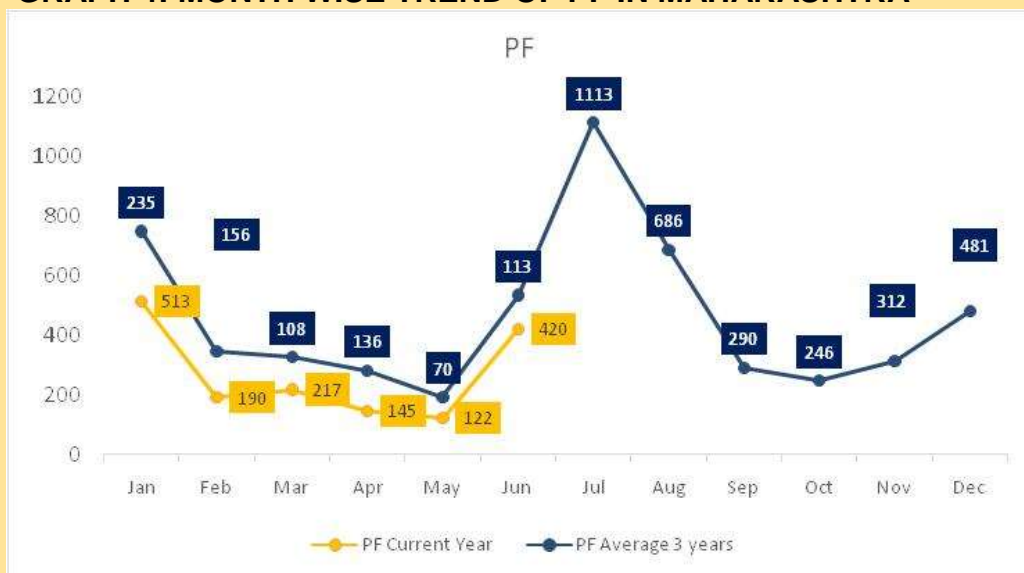
There is a 35.9% increase in TPC upto June 2021 as compared to last three years average cumulative. There is a 24.6% increase in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN MAHARASHTRA



The TPR was 0.07 Upto June 2021 as compared to 0.04 for last three years average and 0.05 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN MAHARASHTRA



There is a 96.7% increase In PF cases upto June 2021 as compared to last three years average. There is a 3.6% decline in PF cases Upto June 2021 vis-à-vis upto June 2020.

7) NAGALAND

GRAPH 1: MONTH WISE TREND OF BSE IN NAGALAND



There is a decline of BSE by 57.4% upto June 2021 as compared to last three years average cumulative. There is also a decline of BSE by 7.1% upto June 2021 vis-à-vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN NAGALAND



There is a 76.9% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 66.7% increase in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN NAGALAND



The TPR was 0.01 Upto June 2021 as compared to 0.02 for last three years average.

GRAPH 4: MONTH WISE TREND OF PF IN NAGALAND



2 Pf case was reported upto June 2021 & June 2020. An average of 8 Pf cases were reported in last 3 years.

8) TAMILNADU

GRAPH 1: MONTH WISE TREND OF BSE IN TAMILNADU



There is a increase of BSE by 14.5% upto June 2021 as compared to last three years average cumulative. There is also a increase of BSE by 27.7% upto June 2021 vis-à- vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN TAMILNADU



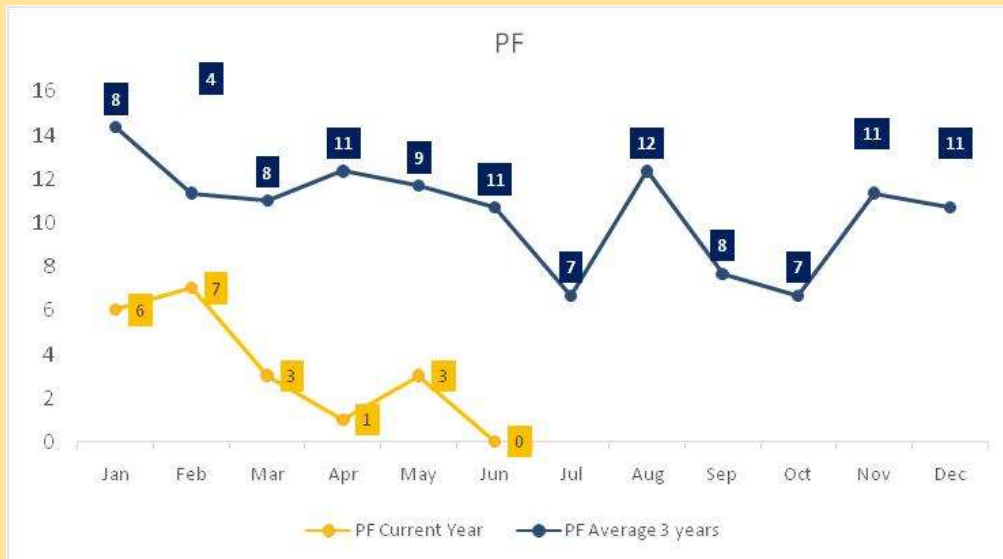
There is a 76.5% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 5.7% increase in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN TAMILNADU



The TPR was 0.01 Upto June 2021 as compared to 0.02 for last three years average and 0.01 upto June 2020

GRAPH 4: MONTH WISE TREND OF PF IN TAMILNADU



There is a 61.0% decrease In PF cases upto June 2021 as compared to last three years average. There is a 42.9% increase in PF cases Upto June 2021 vis-à-vis upto June 2020.

9) UTTAR PRADESH

GRAPH 1: MONTH WISE TREND OF BSE IN UTTAR PRADESH



There is a decline of BSE by 20.3% upto June 2021 as compared to last three years average cumulative. There is a increase of BSE by 34.4% upto June 2021 vis-à- vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN UTTAR PRADESH



There is a 83.9% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 69.1% decrease in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN UTTAR PRADESH



The TPR was 0.11 Upto June 2021 as compared to 0.51 for last three years average and 0.46 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN UTTAR PRADESH



There is a 78.4% decrease In PF cases upto June 2021 as compared to last three years average. There is a 83.6% decline in PF cases Upto June 2021 vis-à-vis upto June 2020.

10) ANDHRA PRADESH

GRAPH 1: MONTH WISE TREND OF BSE IN ANDHRA PRADESH



There is a decline of BSE by 4.4% upto June 2021 as compared to last three years average cumulative. There is a increase of BSE by 23.0% upto June 2021 vis-à- vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN ANDHRA PRADESH



There is a 64.4% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 50.3% decrease in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN ANDHRA PRADESH



The TPR was 0.02 Upto June 2021 as compared to 0.06 for last three years average.

GRAPH 4: MONTH WISE TREND OF PF IN ANDHRA PRADESH



There is a 59.1% decrease In PF cases upto June 2021 as compared to last three years average. There is a 52.0% decline in PF cases Upto June 2021 vis-à-vis upto June 2020.

11) TELANGANA

GRAPH 1: MONTH WISE TREND OF BSE IN TELANGANA



There is a decline of BSE by 4.0% upto June 2021 as compared to last three years average cumulative. There is also decrease of BSE by 0.1% upto June 2021 vis-à-vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN TELANGANA



There is a 45.3% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 39.6% decrease in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN TELANGANA



The TPR was 0.02 Upto June 2021 as compared to 0.03 for last three years average and 0.03 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN TELANGANA



There is a 37.4% decrease In PF cases upto June 2021 as compared to last three years average. There is a 35.5% decline in PF cases Upto June 2021 vis-à-vis upto June 2020.

12) WEST BENGAL

GRAPH 1: MONTH WISE TREND OF BSE IN WEST BENGAL



There is a decline of BSE by 18.0% upto June 2021 as compared to last three years average cumulative. There is a increase of BSE by 18.6% upto June 2021 vis-à- vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN WEST BENGAL



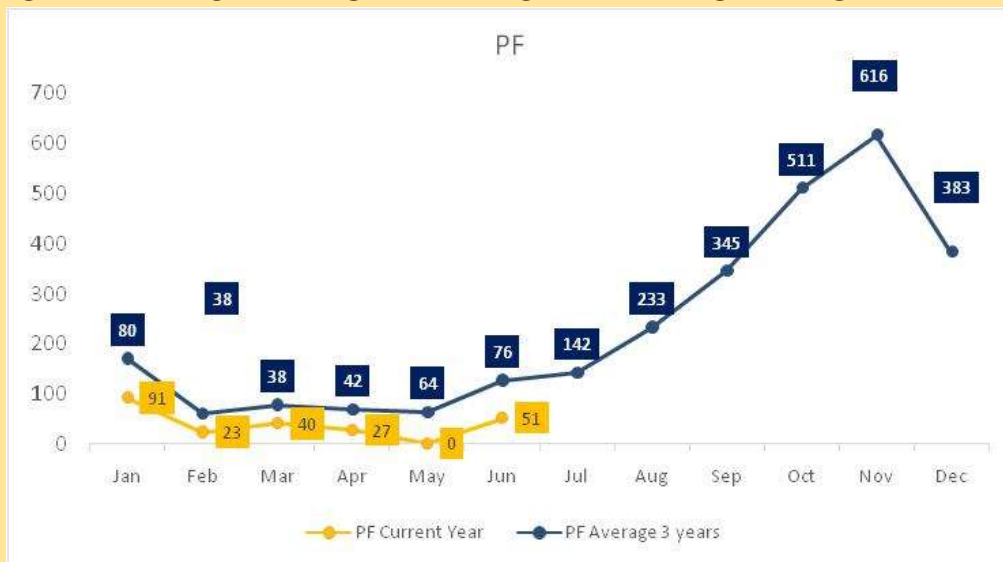
There is a 57.1% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 39.2 % increase in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN WEST BENGAL



The TPR was 0.04 Upto June 2021 as compared to 0.07 for last three years average and 0.03 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN WEST BENGAL



There is a 31.4% decrease in PF cases upto June 2021 as compared to last three years average. There is a 7.9% increase in PF cases Upto June 2021 vis-à-vis upto June 2020.

13) Epidemiological indicators - Malaria

S. N	Area	Indicator
1.	Surveillance/ case finding	No. of Fever cases, No. of Malaria cases, No. of Pf cases
2	Surveillance/ case finding	Monthly Blood Smear Examination Rate (ABER) (should be more than 1% of population)
3	Surveillance/ case finding	Annual Blood Smear Examination Rate (ABER) (should be more than 10% of population)
4	Disease burden & impact	Annual Parasite Incidence (API)
5	Disease burden & impact	Annual Falciparum Incidence (AFI)
6	Disease burden & impact	Slide Positivity rate (SPR): Is independent of surveillance activity, therefore a better indicator for impact assessment
7	Disease burden & impact	Slide falciparum Rate (SFR): It is independent of surveillance and indicates Pf preponderance
8	Disease burden & impact	Pf Percentage (Pf %): Indicates trends in proportion of cases due to Pf out of total cases
9	Input	Nos of RDTs & ACTs Planned versus Received & used
10	Input	% of spray Equipment in working condition
11	Input	% of Spray workers trained
12	Process	% of facilities (SC and PHC) / village level functionaries (ASHA, AWW) reporting stock-out of antimalarials lasting more than 15 days during the quarter
13	Process	% of MPH/ASHA/other volunteers trained for use of RDT / ACT
14	Process	% of Diagnostic facilities functional with microscopy/RDT in the last reporting period
15	Output	Nets treated once/twice in a year
16	Output	% of Eligible Villages Covered by LLINs Should be 80% or more
17	Output	Insecticide use
18	Outcome	IRS Coverage – Population (%) Should be 80% or more

19	Outcome	IRS Coverage – Rooms %
20	Outcome	% of fever cases who were tested for malaria by microscopy/ RDT with a positive test result for RDT and were started on treatment no later than the next day with ACT
21	Outcome	% of households in which beneficiaries reported having slept under ITNs/ LLINs previous night
22	Outcome	% of PHC sampled in which utilization of ITNs/ LLINs was more than 80%