



Monthly Malaria Situation of Category - 3 States/UTs



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Situational Analysis, Trends and Action Points

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INTRODUCTION & SUMMARY SHEET

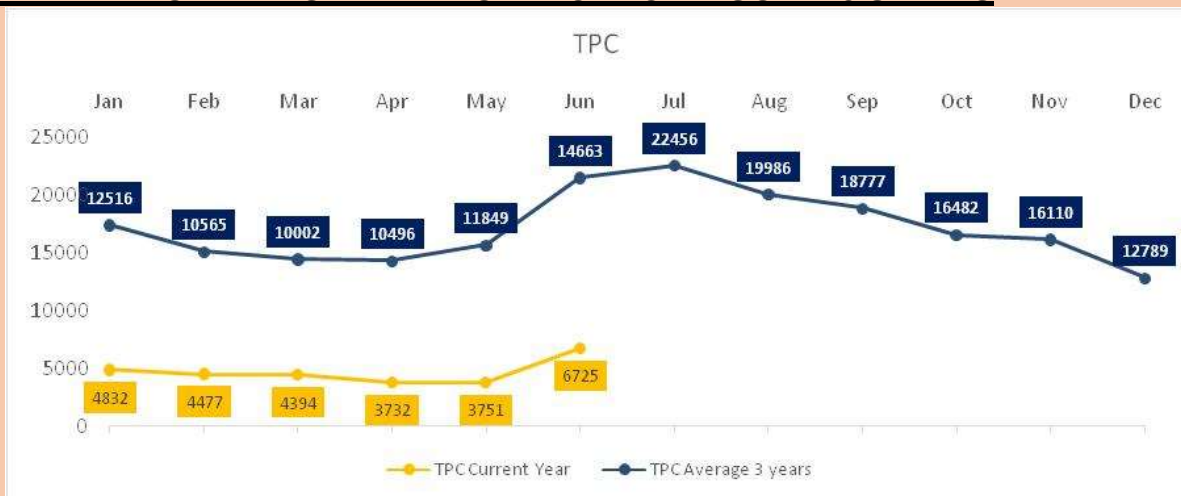
The surveillance information of Malaria of June 2021 in Category-2 states is enclosed in this Monthly Malaria Situation Information Report. The various indicators analyzed in this report are BSE, TPC, TPR and PF.

GRAPH 1: MONTH WISE TREND OF BSE IN CATEGORY- 3 STATES



There is a decrease of BSE by 1.7% upto June 2021 as compared to last three years average cumulative. There is an increase of BSE by 7.3% upto June 2021 vis-à-vis upto June 2020.

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



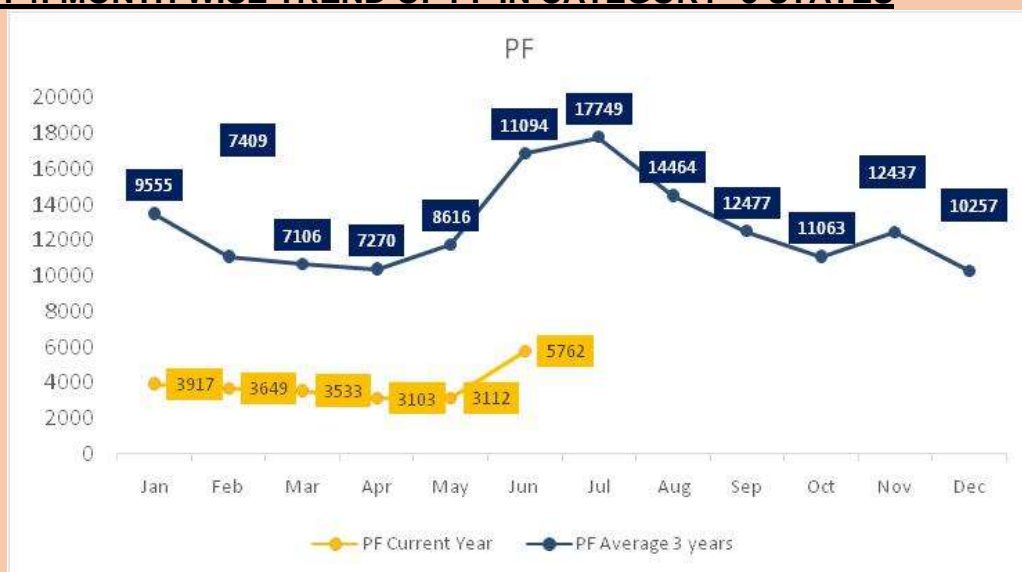
There is a 60.2% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 42.1% decrease in TPC upto June 2021 vis-à-vis upto June 2020.

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



The TPR was 0.28 Upto June 2021 as compared to 0.69 for last three years average and 0.51 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN CATEGORY- 3 STATES



There is a decline of PF by 54.8% upto June 2021 as compared to last three years average. There is a similar decline of PF by 43.7% upto June 2021 vis-à-vis upto June 2020.

List of Districts showing a decrease in Surveillance in the Category 3 States:

	States/UTs	Districts showing a decrease in Surveillance
1	A & N	North and Middle Andaman, South Andaman
2	Arunachal Pradesh	Anjaw, Dibang Valley, East Kameng, Kradaadi, Lohit, Longding, Lower Dibang Valley, Lower Siang-Basar, Lower Subansiri, Papum Pare, Siang Pangin, Tawang, Tirap, Upper Siang, Upper Subansiri, West Kameng, West Siang
3	Madhya Pradesh	Dindori, Khargone, Mandla, Satna, Sidhi
4	Mizoram	Lawngtlai
5	Chhattisgarh	Balod, Balodabazar, Balraampur, Bastar(Jagdalpur), Bemetara, Bijapur, Bilaspur, Dantewada, Dhamtari, Durg, Gariaband, Janjgir(Champa), Kanker, Kawardha, Kondagaon, Korba, Mahasamumd, Mungeli, Raigarh, Raipur, Rajanandgaon, Surajpur
6	DNH	Dadra & Nagar Haveli
7	Jharkhand	Dhanbad, Dumka, Eastsingbhum, Garhwa, Godda, Koderma, Latehar, Ramgarh, Saraikela
8	Meghalaya	North Garo Hills, Raibhoi
9	Odisha	Angul, Balasore, Bargarh, Bhadrak, Bolangir, Ganjam, Kalahandi, Keonjhar, Khurda, Mayurbhanj, Nayagarh, Nuapada, Phulbani (Kandhamal), Puri, Sambalpur, Sonepur
10	Tripura	North Tripura

Action points for all Category 3 States/UTs:

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

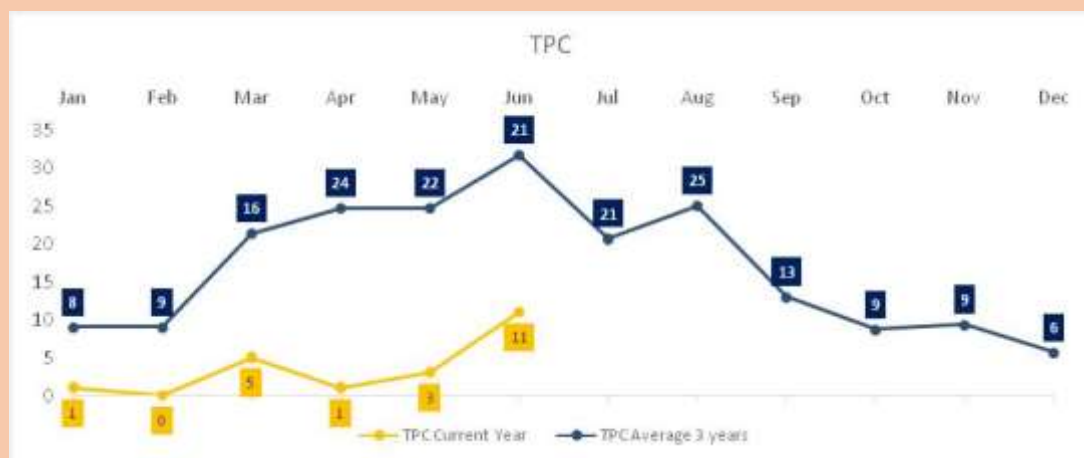
2) ANDAMAN & NICOBAR ISLANDS

GRAPH 1: MONTH WISE TREND OF BSE IN ANDAMAN & NICOBAR



There is a decline of BSE by 19.4% upto June 2021 as compared to last three years average cumulative. There is also a decline of BSE by 4.9% upto June 2021 vis-à-vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN ANDAMAN & NICOBAR



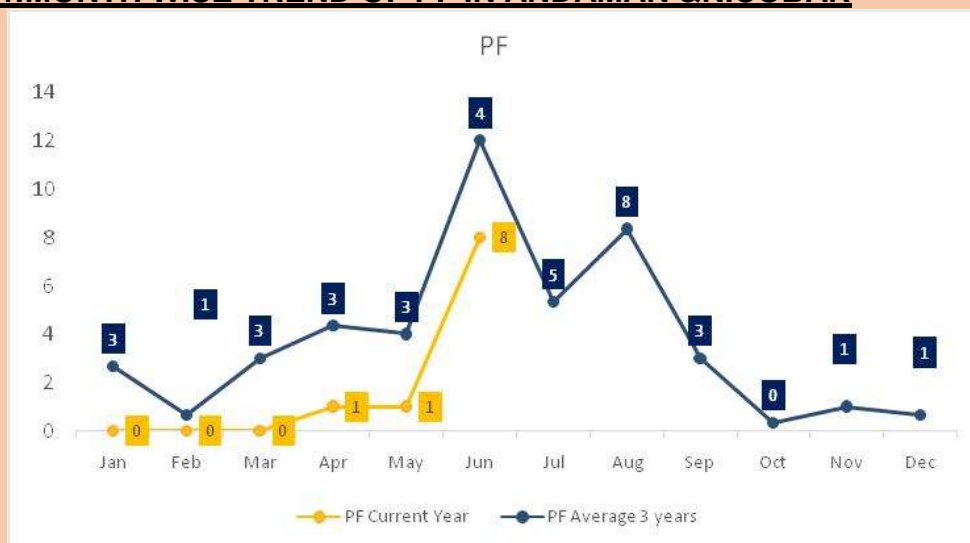
There is a 78.9% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 61.8% decrease in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN ANDAMAN & NICOBAR



The TPR was 0.16 Upto June 2021 as compared to 0.60 for last three years average and 0.40 upto June 2020

GRAPH 4: MONTH WISE TREND OF PF IN ANDAMAN & NICOBAR



There is a decline of PF by 40.0% upto June 2021 as compared to last three years average. There is a also decrease in PF cases by 41.2% upto June 2021 vis-à-vis upto June 2020.

3) DADRA & NAGAR HAVELI

GRAPH 1: MONTH WISE TREND OF BSE IN DADRA & NAGAR HAVELI



There is a decline of BSE by 35.2% upto June 2021 as compared to last three years average cumulative. There is also a decline of BSE by 38.9% upto June 2021 vis-à-vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN DADRA & NAGAR HAVELI



There is a 76.7% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 33.3% decrease in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN DADRA & NAGAR HAVELI



The TPR was 0.06 Upto June 2021 as compared to 0.16 for last three years average.

GRAPH 4: MONTH WISE TREND OF PF IN DADRA & NAGAR HAVELI



No Pf case has been reported upto June 2021 and 2020 as compared to 1 case in last 3 years average.

4) JHARKHAND

GRAPH 1: MONTH WISE TREND OF BSE IN JHARKHAND



There is a decline of BSE by 19.5% upto June 2021 as compared to last three years average cumulative. There is a increase of BSE by 25.2% upto June 2021 vis-à-vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN JHARKHAND



There is a 71.1% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 6.7% increase in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN JHARKHAND



The TPR was 0.35 Upto June 2021 as compared to 0.94 for last three years average and 0.42 upto June 2020.

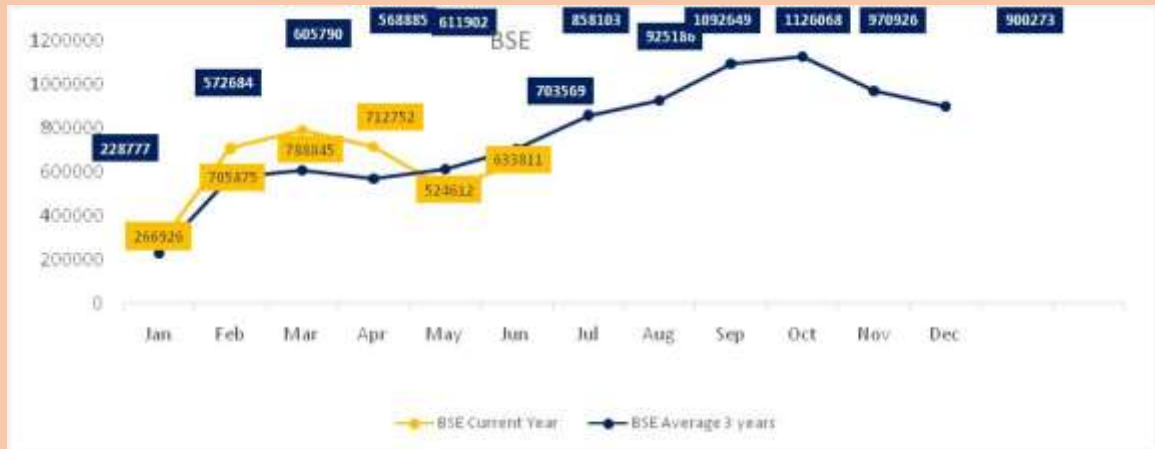
GRAPH 4: MONTH WISE TREND OF PF IN JHARKHAND



There is a decline of PF by 59.6% upto June 2021 as compared to last three years average. There is a also decrease in PF cases by 3.5% upto June 2021 vis-à-vis upto June 2020.

5) MADHYA PRADESH

GRAPH 1: MONTH WISE TREND OF BSE IN MADHYA PRADESH



There is an increase of BSE by 10.4% up to June 2021 as compared to last three years average cumulative. There is also an increase of BSE by 21.5% up to June 2021 vis-à-vis up to June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN MADHYA PRADESH



There is an 82.5% decline in TPC up to June 2021 as compared to last three years average cumulative. There is a 54.5% decrease in TPC up to June 2021 vis-à-vis up to June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN MADHYA PRADESH



The TPR was 0.01 Upto June 2021 as compared to 0.8 for last three years average and 0.03 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN MADHYA PRADESH



There is a decline of PF by 70.2% upto June 2021 as compared to last three years average. There is a similar decline of PF by 38.0% upto June 2021 vis-à-vis upto June 2020.

6) MEGHALAYA

GRAPH 1: MONTH WISE TREND OF BSE IN MEGHALAYA



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 29.0% upto June 2021 vis-à- vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN MEGHALAYA



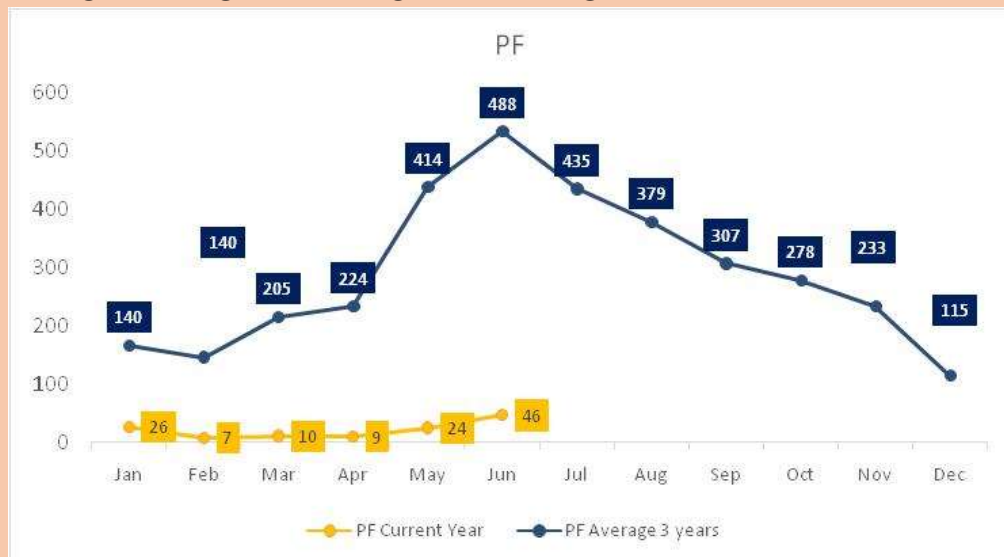
There is a 91.0% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 70.6% decrease in TPC upto June 2021 vis-à- vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN MEGHALAYA



The TPR was 0.09 upto June 2021 as compared to 1.04 for last three years average.

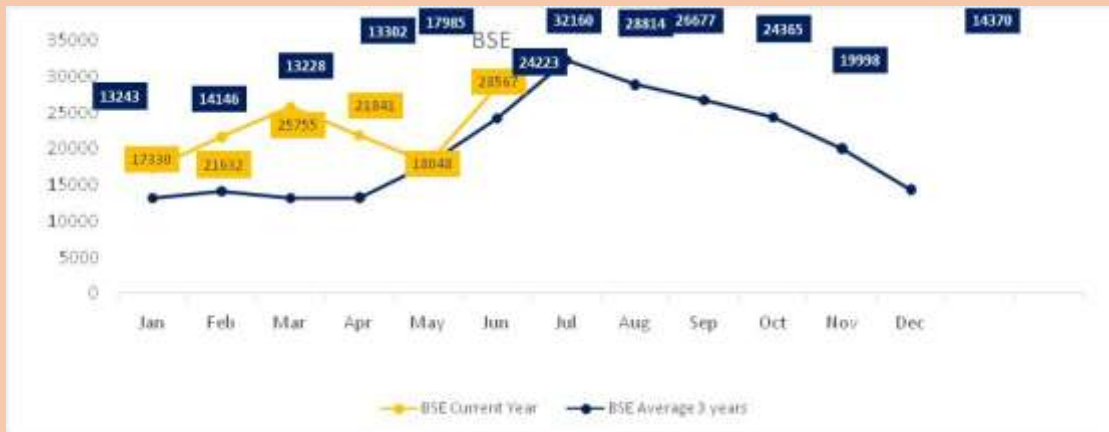
GRAPH 4: MONTH WISE TREND OF PF IN MEGHALAYA



There is a decline of PF by 92.4% upto June 2021 as compared to last three years average. There is a similar decline of PF by 72.0% upto June 2021 vis-à-vis upto June 2020.

7) MIZORAM

GRAPH 1: MONTH WISE TREND OF BSE IN MIZORAM



There is a increase of BSE by 38.5% upto June 2021 as compared to last three years average cumulative. There is also a increase of BSE by 29.3% upto June 2021 vis-à- vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN MIZORAM



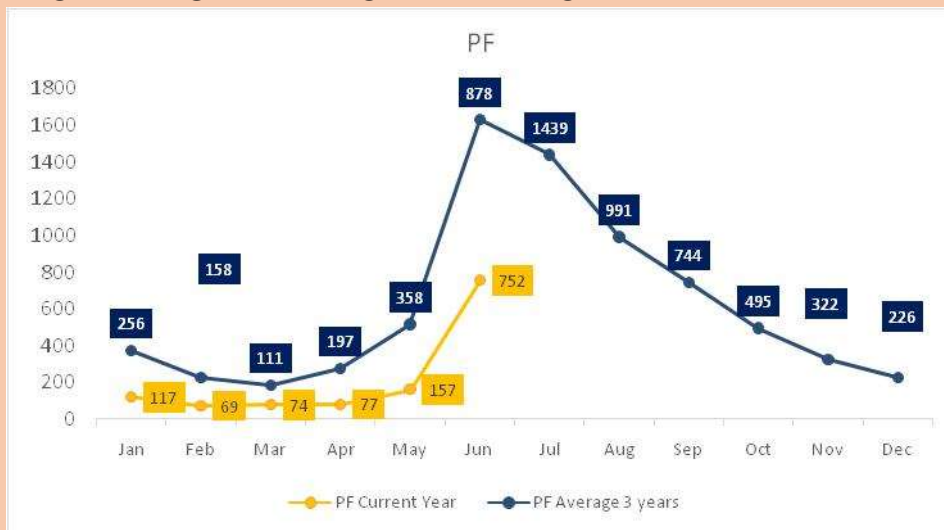
There is a 29.8% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 56.7% decrease in TPC upto June 2021 vis-à- vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN MIZORAM



The TPR was 1.21 upto June 2021 as compared to 2.35 for last three years average.

GRAPH 4: MONTH WISE TREND OF PF IN MIZORAM



There is a decline of PF by 36.4% upto June 2021 as compared to last three years average. There is a similar decline of PF by 58.4% upto June 2021 vis-à-vis upto June 2020.

GRAPH 1: MONTH WISE TREND OF BSE IN ODISHA



There is an increase of BSE by 5.5% up to June 2021 as compared to last three years average cumulative. There is also a decline of BSE by 1.0% up to June 2021 vis-à-vis up to June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN ODISHA



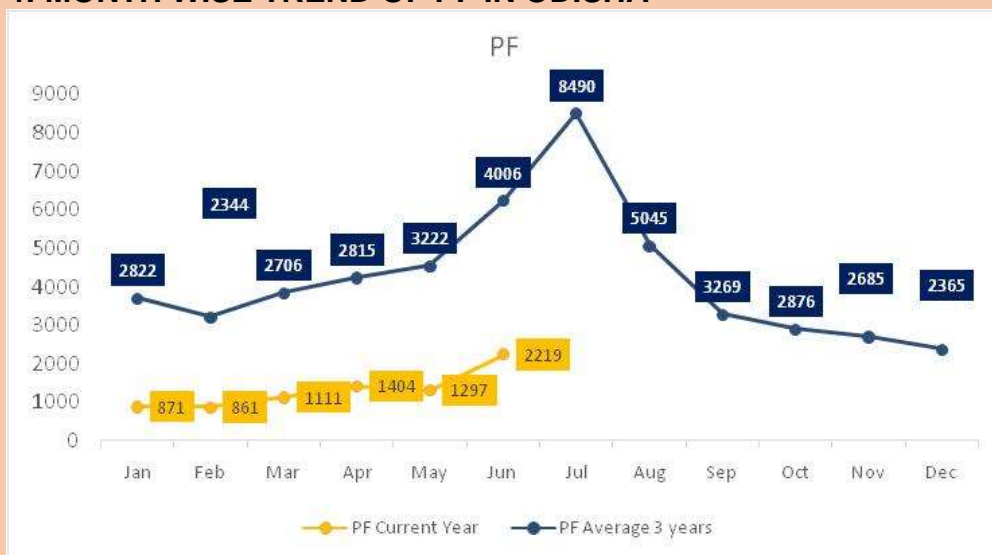
There is a 59.8% decline in TPC up to June 2021 as compared to last three years average cumulative. There is a 54.4% decrease in TPC up to June 2021 vis-à-vis up to June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN ODISHA



The TPR was 0.29 Upto June 2021 as compared to 0.77 for last three years average.

GRAPH 4: MONTH WISE TREND OF PF IN ODISHA



There is a decline of PF by 56.7% upto June 2021 as compared to last three years average. There is a similar decline of PF by 55.1% upto June 2021 vis-à-vis upto June 2020.

9) TRIPURA

GRAPH 1: MONTH WISE TREND OF BSE IN TRIPURA



There is an increase of BSE by 3.0% up to June 2021 as compared to last three years average cumulative. There is also an increase of BSE by 17.4% up to June 2021 vis-à-vis up to June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN TRIPURA



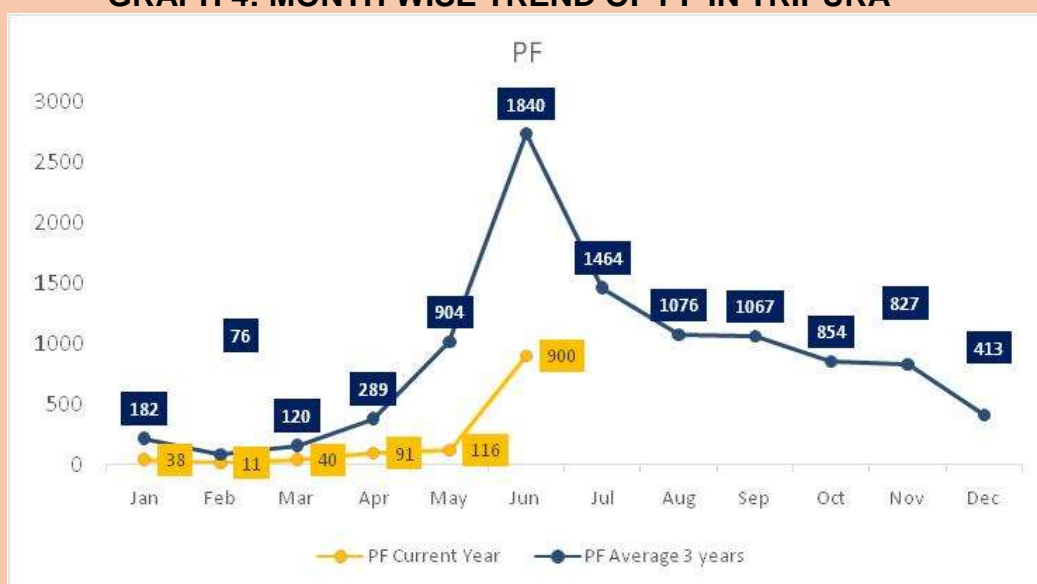
There is a 63.0% decline in TPC up to June 2021 as compared to last three years average cumulative. There is a 1.8% decrease in TPC up to June 2021 vis-à-vis up to June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN TRIPURA



The TPR was 0.56 Upto June 2021 as compared to 1.49 for last three years average.

GRAPH 4: MONTH WISE TREND OF PF IN TRIPURA



1196 cases have been reported upto June 2021 and 1194 cases have been reported upto June 2020.

10) ARUNACHAL PRADESH

GRAPH 1: MONTH WISE TREND OF BSE IN ARUNACHAL PRADESH



There is a decline of BSE by 53.5% upto June 2021 as compared to last three years average cumulative. There is also a decline of BSE by 25.5% upto June 2021 vis-à-vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN ARUNACHAL PRADESH



There is a 98.0% decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 66.7% decrease in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN ARUNACHAL PRADESH



The TPR was 0.01 Upto June 2021 as compared to 0.27 for last three years average and 0.03 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN ARUNACHAL PRADESH



Only 1 Pf case was reported upto June 2021. Only 3 cases were reported upto June 2020 as compared to 21 cases average in the last 3 years.

11) CHHATTISGARH

GRAPH 1: MONTH WISE TREND OF BSE IN CHHATTISGARH



There is a decline of BSE by 20.1% upto June 2021 as compared to last three years average cumulative. There is also a decline of BSE by 17.2% upto June 2021 vis-à-vis upto June 2020.

GRAPH 2: MONTH WISE TREND OF TPC IN CHHATTISGARH



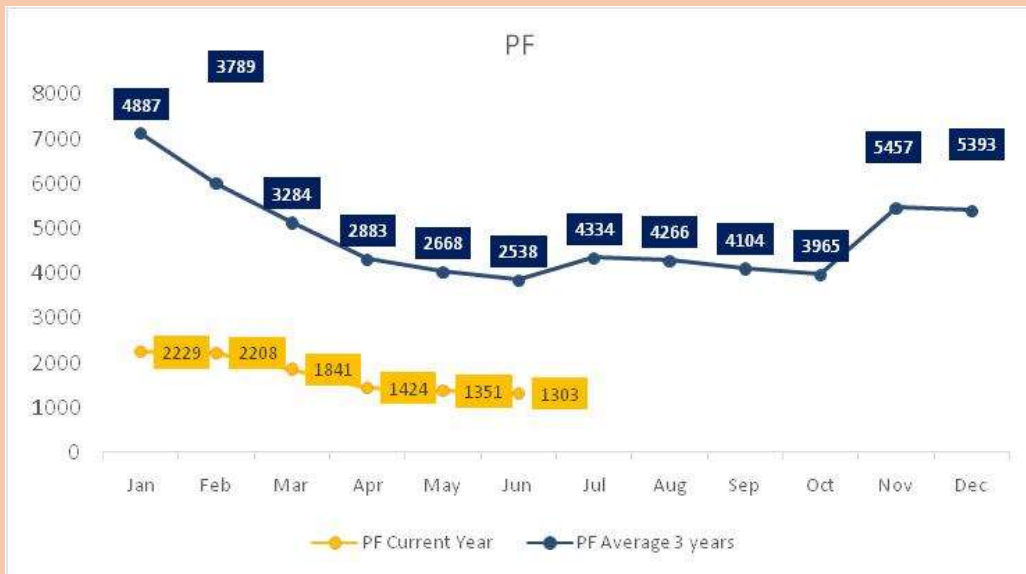
There is a 52.4 % decline in TPC upto June 2021 as compared to last three years average cumulative. There is a 37.4% decrease in TPC upto June 2021 vis-à-vis upto June 2020.

GRAPH 3: MONTH WISE TREND OF TPR IN CHHATTISGARH



The TPR was 1.15 Upto June 2021 as compared to 0.68 for last three years average and 0.93 upto June 2020.

GRAPH 4: MONTH WISE TREND OF PF IN CHHATTISGARH



There is a decline of PF by 48.3% upto June 2021 as compared to last three years average. There is a similar decline of PF by 37.2% upto June 2021 vis-à-vis upto June 2020.

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%