

## SUPPLEMENTARY MATERIAL

**Supplementary Table 1: Demographic details of gender, age and place wise acute febrile illness patients.**

Dengue	2015(n=64)		2016(n=31)		2017(n=69)		2018(n=59)	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
Gender	40(62.5%)	24(37.5%)	25(80.6%)	6(19.4%)	50(72.4%)	19(27.5%)	52(88.1%)	7(11.9%)
Male	24(37.5%)	12(18.8%)	14(45.2%)	3(9.7%)	34(49.2%)	9(13.0%)	36(61%)	6(10.02%)
Female	16(25%)	12(18.8%)	11(35.5%)	3(9.7%)	16(23.1%)	10(14.49%)	16(27.1%)	1(1.7%)
Age								
1 to 9	9(14.1%)	6(9.4%)	2(6.5%)	1(3.2%)	1(1.4%)	1(1.4%)	1(1.7%)	0(0%)
10 to 19	11(17.2%)	12(18.8%)	5(16.1%)	0(0%)	16(23.1%)	4(5.79%)	10(16.9%)	2(3.4%)
20 to 29	13(20.3%)	4(6.2%)	9(29.0%)	2(6.5%)	18(26.0%)	6(8.6%)	18(30.5%)	2(3.4%)
30 to 39	5(7.8%)	2(3.1%)	2(6.5%)	2(6.5%)	10(14.4%)	2(2.89%)	12(20.3%)	0(0%)
40 to 49	1(1.6%)	0(0%)	6(19.4%)	1(3.2%)	3(4.3%)	2(2.89%)	7(11.9%)	3(5.1%)
50 to 59	1(1.6%)	0(0%)	1(3.2%)	0(0%)	2(2.8%)	3(4.3%)	2(3.4%)	0(0%)
60 to 69	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)	1(1.44%)	2(3.4%)	0(0%)
Place								
Asawarpur	3(4.7%)	0(0%)	2(6.5%)	0(0%)	1(1.4%)	1(1.4%)	3(5.1%)	0(0%)
Aterna	3(4.7%)	2(3.1%)	2(6.5%)	1(3.2%)	8(11.5%)	2(2.8%)	1(1.7%)	1(1.7%)
Aurangabad	1(1.6%)	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)
Badhkhalsa	3(4.7%)	4(6.2%)	2(6.5%)	2(6.5%)	4(5.7%)	4(5.79%)	1(1.7%)	0(0%)
Biswamil	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)	1(1.4%)	3(5.1%)	1(1.7%)
Jakholi	5(7.8%)	2(3.1%)	1(3.2%)	1(3.2%)	3(4.3%)	1(1.4%)	4(6.8%)	0(0%)
Jatheri	0(0%)	0(0%)	0(0%)	0(0%)	1(1.4%)	0(0%)	0(0%)	0(0%)
Kundli	1(1.6%)	0(0%)	1(3.2%)	0(0%)	1(1.4%)	1(1.4%)	2(3.4%)	0(0%)
Nangalkalan	4(6.2%)	2(3.1%)	2(6.5%)	0(0%)	9(13.0%)	0(0%)	3(5.1%)	1(1.7%)
Patla	3(4.7%)	2(3.1%)	2(6.5%)	0(0%)	3(4.3%)	0(0%)	3(5.1%)	1(1.7%)
Piao	3(4.7%)	0(0%)	1(3.2%)	0(0%)	1(1.4%)	1(1.4%)	0(0%)	0(0%)
Pritampur	0(0%)	2(3.1%)	0(0%)	0(0%)	2(2.8%)	0(0%)	0(0%)	0(0%)
Rai	4(6.2%)	1(1.6%)	4(12.9%)	0(0%)	2(2.8%)	1(1.4%)	8(13.6%)	1(1.7%)
Rasoi	3(4.7%)	2(3.1%)	0(0%)	0(0%)	2(2.8%)	0(0%)	2(3.4%)	0(0%)
Sewli	3(4.7%)	3(7.5%)	4(12.9%)	2(6.5%)	8(11.5%)	3(4.3%)	13(22%)	1(1.7%)
SRM	2(3.1%)	1(1.6%)	3(9.7%)	0(0%)	3(4.3%)	4(5.7%)	9(17.3%)	1(1.7%)
TDI	0(0%)	0(0%)	1(3.2%)	0(0%)	1(1.4%)	0(0%)	0(0%)	0(0%)
Bahalgarh	2(3.1%)	0(0%)	0(0%)	0(0%)	1(1.4%)	0(0%)	0(0%)	0 (0%)

**Supplementary Table 2: Demographic details of acute febrile illness patients' clinical parameters.**

Dengue	2015(n=64)		2016(n=31)		2017(n=69)		2018(n=59)	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
Hgb (gm/dL)								
13-17 (Male normal)	4(6.2%)	2(3.1%)	10(32.3%)	2(6.5%)	7(25%)	7(25%)	13(22%)	2(3.4%)
<13 (Male low)	20(31.2%)	10(15.6%)	4(12.9%)	1(3.2%)	0(0%)	4(14.3%)	23(39%)	4(3.8%)
12-15 (Female Normal)	1(1.6%)	5(7.8%)	6(19.4%)	2(6.5%)	1(3.6%)	4(14.3%)	9(15.3%)	1(1.7%)
<12 (Female low)	14(21.9%)	6(9.4%)	5(16.1%)	1(3.2%)	0(0%)	4(14.3%)	6(10.2%)	0(0%)
>15 (Female high)	1(1.6%)	1(1.6%)	0(0%)	0(0%)	0(0%)	1(3.6%)	1(1.7%)	0(0%)
TLC (cells/mcL)								
4000-11000 (Normal)	17(26.6%)	20(31.2%)	8(25.8%)	17(54.8%)	5(17.9%)	14(50%)	22(37.3%)	7(11.9%)
<4000 (Low)	20(31.2%)	0(0%)	5(16.1%)	1(3.2%)	2(7.1%)	5(17.9%)	29(49.2%)	0(0%)
>11000 (High)	3(4.7%)	4(6.2%)	0(0%)	0(0%)	1(3.6%)	1(3.6%)	1(1.7%)	0(0%)

Neutrophils (%)								
40-80 (Normal)	29(45.3%)	15(23.4%)	20(64.5%)	4(12.9%)	7(25%)	19(67.9%)	40(67.8%)	6(10.2%)
<40 (Low)	4(6.2%)	2(3.1%)	0(0%)	0(0%)	0(0%)	0(0%)	2(3.4%)	0(0%)
>80 (High)	7(10.9%)	7(10.9%)	5(16.1%)	2(6.5%)	1(3.6%)	1(3.6%)	10(16.9%)	1(1.7%)
Lymphocytes (%)								
20-40 (Normal)	24(37.5%)	12(18.8%)	15(48.4%)	4(12.9%)	5(17.9%)	10(35.7%)	33(55.9%)	5(8.5%)
<20 (Low)	8(18.8%)	4(6.2%)	7(22.6%)	2(6.5%)	3(10.7%)	8(28.6%)	8(13.6%)	1(1.7%)
>40 (High)	8(12.5%)	8(12.5%)	3(9.7%)	0(0%)	0(0%)	2(7.1%)	11(18.6%)	1(1.7%)
Eosinophils (%)								
1-4 (Normal)	39(60.9%)	19(29.7%)	24(77.4%)	6(19.4%)	7(25%)	15(53.6%)	48(81.4%)	7(11.9%)
>4 (High)	1(1.6%)	5(7.8%)	1(3.2%)	0(0%)	1(3.6%)	5(17.9%)	4(6.8%)	0(0%)
Monocytes (%)								
2-6 (Normal)	11(17.2%)	4(6.2%)	5(16.1%)	1(3.2%)	4(14.3%)	15(53.6%)	12(20.3%)	0(0%)
<2 (Low)	29(45.3%)	20(31.2%)	20(64.5%)	5(16.1%)	4(14.3%)	5(17.9%)	40(67.8%)	7(11.9%)
ESR (mm/hr)								
5-20 (Female normal)	0(0%)	1(1.6%)	0(0%)	1(3.2%)	0(0%)	1(3.6%)	1(1.7%)	1(1.7%)
>20 (Female high)	16(25%)	11(17.2%)	11(35.5%)	2(6.5%)	1(3.6%)	8(28.6%)	15(25.4%)	0(0%)
3-15 (Male normal)	1(1.6%)	2(3.1%)	1(3.2%)	0(0%)	0(0%)	1(3.6%)	1(1.7%)	0(0%)
>15 (Male high)	23(35.9%)	10(15.6%)	13(41.9%)	3(9.75%)	7(25%)	10(35.7%)	35(59.3%)	6(10.2%)
PCV (%)								
40-50 (Male normal)	11(17.2%)	5(7.8%)	9(29%)	1(3.2%)	6(21.4%)	9(32.1%)	20(33.9%)	4(6.8%)
<40 (Male low)	13(20.3%)	7(10.9%)	5(16.1%)	2(6.5%)	1(3.6%)	2(7.1%)	16(37.1%)	2(3.4%)
>50 (Male high)	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)
36-46 (Female normal)	15(23.4%)	7(10.9%)	8(25.8%)	2(6.5%)	1(3.6%)	4(14.3%)	9(15.3%)	1(1.7%)
<36 (Female low)	1(1.6%)	3(4.7%)	1(3.2%)	1(3.2%)	0(0%)	4(14.3%)	0(0%)	0(0%)
>46 (Female high)	0(0%)	2(3.1%)	2(6.5%)	0(0%)	0(0%)	1(3.6%)	7 911.9%)	0(0%)
RBC (cells/cmm)								
4.7-6.1 (Male normal)	11(17.2%)	4(6.2%)	8(25.8%)	1(3.2%)	0(0%)	0(0%)	21(35.6%)	4(6.8%)
<4.7 (Male low)	12(18.8%)	8(12.5%)	6(19.4%)	1(3.2%)	6(21.4%)	11(39.3%)	14(23.7%)	2(3.4%)
>6.1 (Male high)	1(1.6%)	0(0%)	0(0%)	1(3.2%)	1(3.6%)	0(0%)	1(1.7%)	0(0%)
4.2-5.4 (Female normal)	7(10.9%)	7(10.9%)	9(29%)	1(3.2%)	1(3.6%)	7(25%)	6(10.2%)	0(0%)
<4.2 (Female low)	3(4.7%)	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)	0(0%)
>5.4 (Female high)	6(9.4%)	5(7.8%)	2(6.5%)	2(6.5%)	0(0%)	2(7.1%)	7(11.9%)	0(0%)
PLT (Platelets/mcL)								
<1,50,000 (Low)	13(20.31%)	0(0%)	7(22.58%)	1(3.2%)	4(5.79%)	9(13.04%)	24(40.67%)	5(8.47%)
1,50,000-4,00,000 (Normal)	26(40.6%)	24(37.5%)	18(58.1%)	5(16.1%)	3(10.7%)	11(39.3%)	17(28.8%)	2(3.4%)
>4,00,000 (High)	1(1.6%)	0(0%)	0(0%)	0(0%)	1(3.6%)	0(0%)	11(21.2%)	0(0%)
MCV (fL)								
83-101 (Normal)	23(35.9%)	12(18.8%)	14(45.2%)	2(6.5%)	6(21.4%)	6(21.4%)	34(57.6%)	5(8.5%)
<83 (Low)	16(25%)	12(18.8%)	10(32.3%)	4(12.9%)	2(7.1%)	11(39.3%)	18(30.5%)	2(3.4%)
>101 (High)	1(1.6%)	0(0%)	1(3.2%)	0(0%)	0(0%)	3(10.7%)	0(0%)	0(0%)
MCH (pg)								
27-32 (Normal)	20(31.2%)	17(26.6%)	13(41.9%)	2(6.5%)	5(17.9%)	7(25%)	23(39%)	4(6.8%)
<27 (Low)	10(15.6%)	6(9.4%)	11(35.5%)	4(12.9%)	2(7.1%)	5(17.9%)	10(16.9%)	1(1.7%)
>32 (High)	10(15.6%)	1(1.6%)	1(3.2%)	0(0%)	1(3.6%)	8(28.6%)	19(32.2%)	2(3.4%)
MCHC (g/dL)								
31.5-34.5 (Normal)	27(42.2%)	20(31.2%)	16(51.6%)	4(12.9%)	6(21.4%)	11(39.3%)	34(55.9%)	4(6.8%)
<31.5 (Low)	6(9.4%)	2(3.1%)	9(29%)	2(6.5%)	0(0%)	4(14.3%)	6(10.2%)	0(0%)
>34.5 (High)	7(10.9%)	2(3.1%)	0(0%)	0(0%)	2(7.1%)	5(17.9%)	13(22%)	3(5.1%)