

Final Report of SIC 2017 project Anemia - Screening, Treatment and Prevention

As part of Intel 2017-18 SIC project Anemia - Screening, Treatment and Prevention, we have been able to cover 686 girls and women across 7 Grama Panchayats. The biggest impact was the detection of Severe Anemia (Hb reading less than 8) among 37 women. These women were immediately admitted at the PHC and blood transfusion was done. The PHC health workers will be following up these cases. Of these, 4 women were pregnant and another 2 were attempting to get pregnant. In these cases, our intervention may have saved the life of the mother and future child.

Locations

The Panchayats covered, the dates of the camp and number screened at each location are listed below:

1. Kurugal Panchayat, Kolar - Mar 23 - 150 women
2. Mallanayakanahalli, Kolar - Mar 24 - 97 women
3. Yeldur, Kolar - July 28 - 130 women
4. Hanchikuppe, Ramaganar - Sep 7 - 87 women
5. S. Golahalli, Chikkaballapur - Sep 17 - 71 women
6. Hosahalli, Bengaluru Rural - Oct 12 - 70 women
7. Nakkalahalli, Chikkaballapura - Oct 17 - 81 women

In addition 100 Hemoglobin test strips were given to Chikka Tirupathi Panchayat and another 100 to Jagareddyhalli, where they will be doing the screening over a period of time.

Process

- In each Panchayat, the Government Primary Health Centre (PHC) was approached and a suitable date was fixed in consultation with the Medical Officer. In case of PHCs where there was no permanent doctor, permissions were sought from the Taluk Health Officer (THO).
- Before each camp, the ASHA workers informed women from their respective villages to attend the screening. (Each Panchayat has around 10-15 ASHA workers).
- The camp was conducted at the PHC, except in S.Golahalli Panchayat where it was done in a public place owing to proximity to the panchayat.
- On the day of the camp, the PHC technician undertook the Haemoglobin test. The test was done using a Digital Meter (provided by Mythri Speaks) in all Panchayats, except in Mallanayakanahalli Panchayat where the traditional Salicylic method was used.
- Mythri Speaks also pre-screened all women for Menstrual Disorders.

- Any case which required referral such as Severe Anemia or Menstrual Disorders were sent to the PHC doctor and was attended to immediately.
- Patients who had Severe Anemia (reading less than 8 gms) were admitted at the PHC and blood transfusion was done.
- All patients were given Albendazole (for Deworming). Those whose Hemoglobin reading was less than 9gms was given Iron & Folic Acid Tablets.
- Nutritional advice was given to those who were found to have Anemia.
- All cases were documented manually in a register.

Findings:

A total of 686 were screened, across 7 Panchayats.

Anemia

- Only 21% women had No Anemia, i.e. Hb reading of 12 or more.
- Severe Anemia (Hb reading less than 8gms) = 37 (5.4%)
- Moderate Anemia (Hb reading of 8 or 9) = 191 (28%)
- Mild Anemia (Hb reading of 10 or 11) = 312 (45.5%)
- No Anemia (Hb reading of 12 or more) = 146 (21%)

Menstrual Health

- Menstrual disorders were found among 101 women (14.7%)
- Complaints of Menstrual Bleeding = 18 (2.5%)
- Complaints of Menstrual Pain = 16 (2.3%)
- Complaints of Irregular / No Menses = 45 (6.5%)
- Complaints of Excessive White Discharge = 12 (1.7%)
- Complaints of Other Menstrual/Reproductive Health Problems = 9 (1.3%)

Details of Findings from Hemoglobin Test, Panchayat-wise

#	Panchayat	Taluk & District	Severe Anemia (<8 gms)		Moderate Anemia (8, 9gms)		Mild Anemia (10,11gm)		No Anemia (12+gms)		Total screened
			Tot	%	Tot	%	Tot	%	Tot	%	Tot
1	Kurugal	Kolar	9	6	63	42	76	51	2	1.3	150
2	Mallanayakanahalli,	Mulbagal, Kolar	7	7	54	56	34	35	2	2	97
3	Yeldur	Srinivasapura, Kolar	9	7	30	23	73	56	18	14	130
4	Hanchikuppe	Magadi, Ramanagar	0	0	9	10	34	39	44	51	87
5	S.Golahalli	Chikkaballapura	2	3	13	18	29	41	27	38	71
6	Hosahalli	Doddaballapura, Bengaluru Rural	5	7	10	14	30	43	25	36	70

7	Nakkalahalli	Gauribidanur, Chikkaballapura	5	6	12	15	36	44	28	34.5	81
	Total		37	5.4	191	28	312	45.5	146	21	686

Details of Findings from Menstrual Health Pre-screening

#	Panchayat / Total screened	Heavy Menstrual Bleeding		Menstrual Pain		Irregular / No Menses		Excessive White Discharge		Other Menstrual / Reproductive Problems		Total Women with Menstrual Disorders	
		Tot	%	Tot	%	Tot	%	Tot	%	Tot	%	Tot	%
1	Kurugal 150	4	2.6	4	2.6	15	10	6	4	2	1.3	33	22
2	Mallanayakanahalli 97	2	2	1	1	2	2	0	0	1	1	6	6
3	Yeldur 130	1	0.7	0	0	16	12	4	3	0	0	21	16
4	Hanchikuppe 87	1	1	3	3	7	8	1	1	1	1	13	15
5	S.Golahalli 71	2	3	4	5.6	3	4	0	0	2	3	11	15.5
6	Hosahalli 70	5	7	3	4	2	3	0	0	1	1.4	10	14.3
7	Nakkalahalli 81	3	8	1	1	0	0	1	1	2	2.5	7	8.6
	TOT 686	18	2.5	16	2.3	45	6.5	12	1.7	9	1.3	101	14.7

Photos



Figure 1: Kurugal, Mar 23



Figure 2: Mallanayakanahalli, Mar 24



Figure 3: Yeldur, Jul 28



Figure 4: Hanchikuppe, Sep 7



Figure 5: S. Golahalli, Sep 17



Figure 2: Hosahalli Oct 12



Figure 6: Nakkalahalli Oct 17