

Longitudinal Indian Family Health Study (LIFE)

Summary Report

The progress of the study as of 01 Aug 2017 is as follows:

Recruitment: The number of women enrolled = 1227(642couples and 585 only women)

Deliveries: Number of deliveries for LIFE women= 1250(100.0)

At MediCiti Hospital = 907(72.56%)

Outside MediCiti Hospital = 343(27.44%)

Outside deliveries by site of delivery

| Sl.no | Name of the Hospital | No.of deliveries |
|-------|---|------------------|
| 1 | Raju Hospital, Medchal | 82 |
| 2 | Mehar Hospital, Medchal | 18 |
| 3 | VVR Hospital, Medchal | 12 |
| 4 | Navya Hospital, Medchal | 03 |
| 5 | RMPHospital/PHC (Medchal,Dabilpur,Gowdavelly,Srirangavaram) | 09 |
| 6 | Other Hospitals in Medchal | 11 |
| 7 | Harsha Hospital, Kompally | 06 |
| 8 | R.R Hospital, Kompally | 03 |
| 9 | Ashritha Hospital, Kompally | 08 |
| 10 | Prashamsha Hospital, Alwal | 05 |
| 11 | Sundaramma Hospital, Alwal | 06 |
| 12 | Home Deliveries | 14 |
| 13 | Outside Medchal | 61 |
| 14 | Gandhi Hospital | 15 |
| 15 | Outside District | 72 |
| 16 | Govt. Hospital | 09 |
| 17 | Other State | 9 |
| | Total | 343 |

Type of Delivery

| Delivery type | Place of delivery | | Total |
|---------------|-------------------|-----------------|------------|
| | Medicit N % | Non Medicit N % | N % |
| Normal | 504(55.57) | 170(49.56) | 674(74.31) |
| Ceasarean | 403(44.43) | 173(50.44) | 576(63.51) |
| All | 907(100) | 343(100) | 1250(100) |

Distribution of live births by weight at birth

| Birth weight (kg) | Live births at MediCiti | Live births outside MediCiti | Total Live births |
|-------------------|-------------------------|------------------------------|-------------------|
| < 2.5 | 186(20.81) | 60(17.54) | 246(19.9) |
| = 2.5 | 64(7.16) | 68(19.88) | 132(10.68) |
| > 2.5 | 644(72.04) | 214(62.57) | 858(69.42) |
| Total | 894(100) | 342(100) | 1236(100) |

Note: Birth weight data are given only for live births. No. of twins = 10

Pregnancy

Total no. of currently pregnant women =15

Total no. of women in 1sttrimester=2

Total no. of women in 3rdtrimester =4

Total no. of Pregnancy loss: 271

Total no. of Intra uterine deaths (IUD): 18

Total no. of Still birth: 06

No. of children living by age:

| Current age in month | No. of children |
|----------------------|-----------------|
| 0 – 2 | 9 |
| 3 – 5 | 5 |
| 06 - 08 | 11 |
| 9 – 11 | 16 |
| 12 – 14 | 9 |
| 15 – 17 | 22 |
| 18 - 20 | 15 |
| 21 - 23 | 17 |
| 24 - 26 | 19 |
| 27 - 29 | 26 |
| 30 - 32 | 23 |
| 33 - 35 | 32 |
| 36 - 38 | 29 |
| 39 - 41 | 22 |
| 42 -44 | 33 |
| 45 - 47 | 51 |
| 48 -50 | 48 |
| 51 - 53 | 52 |
| 54 - 56 | 55 |
| 57 - 59 | 70 |
| 60 - 62 | 75 |
| 63 - 65 | 85 |
| 66 - 68 | 98 |
| 69-71 | 98 |
| 72-74 | 84 |
| 75-78 | 80 |
| 79-83 | 82 |
| 84-86 | 30 |
| 87-90 | 2 |
| Total | 1198 |

Child Follow-up visits

| 6 months | |
|--|-----|
| Questionnaires completed | 950 |
| Questionnaires pending (6-8 months) | 5 |
| Child follow up missing since 6months | 0 |
| Child follow up missing before 6months | 235 |
| 12 months | |
| Questionnaires completed | 898 |
| Questionnaires pending (12-14 months) | 3 |
| Child follow up missing since 6months | 2 |
| Child follow up missing before 6months | 256 |
| 18 months | |
| Questionnaires completed | 927 |
| Questionnaires pending (18-20 months) | 7 |
| Child follow up missing since 6months | 2 |
| Child follow up missing before 6months | 194 |
| 24 months | |
| Questionnaires completed | 887 |
| Questionnaires pending (24-26 months) | 9 |
| Child follow up missing since 6months | 2 |
| Child follow up missing before 6months | 199 |
| 36months | |
| Questionnaires completed | 798 |
| Questionnaires pending (36-38 months) | 16 |
| Child follow up missing since 6months | 8 |
| Child follow up missing before 6months | 172 |
| 48months | |
| Questionnaires completed | 656 |
| Questionnaires pending (48-50 months) | 31 |
| Child follow up missing since 6months | 21 |
| Child follow up missing before 6months | 150 |
| 60months | |
| Questionnaires completed | 490 |
| Questionnaires pending (60-62 months) | 74 |
| Child follow up missing since 6months | 24 |
| Child follow up missing before 6months | 36 |

Note: Reasons for missing: (Initially delayed preparation of questionnaire for 6 & 12months, some children made ineligible due to by applying mother's ineligible criteria, vacant, refused, child given for adoption etc.)

Under five children deaths by site of delivery

| Site of delivery | No. of infant deaths 0-1year age | No. of child deaths 1year & above age |
|--|----------------------------------|---------------------------------------|
| Home | 02 | |
| MediCiti | 18 | 02 |
| Raju Hospital | 05 | |
| Tara Hospital | 02 | |
| Meher Hospital | 02 | |
| Deccan health service, New Allapur, Borbanda | 01 | |
| Yashoda Hospital | 01 | |
| Gandhi Hospital | 01 | 01 |
| Konark Hospital | 01 | |
| Govt. Hospital, Sangareddy | 01 | |
| Govt. Hospital, Thupran | 01 | |

Under five children deaths by birth weight

| Birth weight (kg) | No. of infant deaths 0-1year age | No. of child deaths 1year & above age |
|-------------------|----------------------------------|---------------------------------------|
| < 2.5 kg | 16 | 01 |
| =2.5 kg | 04 | 01 |
| >2.5 | 15 | 01 |

Probable cause of death based on verbal autopsy method

| Cause of death | No. of under five children deaths |
|--|-----------------------------------|
| Sepsis (preventable) | 16 |
| Congenital pneumonia (non-preventable) | 01 |
| Aspiration pneumonia (preventable) | 08 |
| Asphyxia (preventable) | 03 |
| Snake bite (accident) | 01 |
| Congenital malformation (Non preventable) | 06 |
| Tension Pneumothorax (Preventable) | 01 |
| Drowning | 01 |
| Respiratory distress syndrome(Non preventable) | 01 |

Age of the under five children at the time of death:

| No. of days /months the child survived after birth | No. of under five children deaths |
|--|-----------------------------------|
| Less than 24 hours | 7 |
| 1-6 days | 12 |
| 7-28 days | 2 |
| 1 month | 4 |
| 2 months | 2 |
| 3 months | 2 |
| 4 months | 2 |

| | |
|--------------|-----------|
| 8 months | 1 |
| 9 months | 2 |
| 10 months | 1 |
| 18 months | 1 |
| 24 months | 2 |
| Total | 38 |

Total no. of under five children deaths: 36

Infant Deaths = 35, (Neonatal deaths (up to 28 days of life) = 21 and Post neonatal deaths = 14)

Child death (1-4 years) =3

Sample given status of deliveries

| | MediCiti | Non-MediCiti |
|-------------------|----------|--------------|
| No. of deliveries | 907 | 343 |
| Blood collected | 895 | 72 |
| Urine collected | 871 | 55 |
| V. swab | 868 | 46 |
| Stool | 825 | 14 |

Baby samples

| | MediCiti | Non- MediCiti |
|------------------------------------|----------|---------------|
| No. of live births | 894 | 342 |
| Cord blood collected | 875 | 8 |
| Cord blood missing since 6 months | 1 | 1 |
| Cord blood missing before 6 months | 18 | 333 |
| Meconium collected | 795 | 23 |
| Meconium missing since 6 months | 1 | 1 |
| Meconium missing before 6 months | 98 | 318 |

PNC follow-up status (all samples)

| | MediCiti | Non-MediCiti |
|---------------------------------|----------|--------------|
| Deliveries | 907 | 343 |
| Eligible(>25 days) | 894 | 342 |
| Questionnaire (+) Lab completed | 848 | 265 |
| Pending | 1 | 0 |
| Missing since 12 months | 6 | 1 |
| Missing before 12 months | 39 | 76 |
| Blood collected | 831 | 248 |
| Urine collected | 828 | 242 |
| V. swab collected | 824 | 242 |
| Stool collected | 613 | 142 |