

COVERAGE EVALUATION SURVEY REPORT ASSAM 2012-13

CONDUCTED BY

REGIONAL RESOURCE CENTRE FOR NORTHEASTERN STATES

MINISTRY OF HEALTH & FAMILY WELFARE,

GOVERNMENT OF INDIA

GUWAHATI, ASSAM - 781022

SUPPORTED BY

NRHM - ASSAM

PREFACE AND ACKNOWLEDGEMENTS

The "Coverage Evaluation Survey 2012-13" is a part of the continuous periodic Coverage Evaluation Survey, designed to conduct in all districts of Assam since 2007. Of the total twenty seven districts in the state, twenty five districts were covered by the study with the exclusion of two districts: Karbi Anglong and N.C.Hills districts, due to some unavoidable circumstances.

At the outset, I would like to express my special thanks of gratitude to the Mission Director, National Rural Health Mission (NRHM), Assam for entrusting the responsibility of undertaking the study.

I also appreciate the support extended by the Joint Director of Health Services and other functionaries of the District Programme Management Support Units (DPMSUs), the Sub Divisional Medical & Health Officers (SDM & HO) of the identified PHCs, the ANMs of the Sub Centres spread over in all the 25 surveyed districts of Assam.

My sincere thanks for all the officials of RRC-NE, who have been associated in some way or the other with the evaluation study, starting right from the preparing of schedules to the compilation of data, their interpretation and writing the report.

I am also thankful to the Supervisors and Field Investigators, without whom the study would have not been possible.

I would also like to express my thanks to all those who have been associated and contributed directly or indirectly during the entire course of the study.

Finally, special thanks to all the respondents who spared their valuable time and cooperated with the Field Investigators by providing the required information.

(Dr. A. C. Baishya)

Director, RRC-NE

KEY MEMBERS OF THE STUDY TEAM

- 1. Dr. A. C Baishya, Director, RRC NE
- 2. Mr. Bhaswat Kumar Das, Regional Co-ordinator HMIS, , RRC-NE

INDEX

| SL. NO. | CONTENTS | Page No |
|-------------|--|---------|
| | EXECUTIVE SUMMARY | i - vi |
| Chapter I | INTRODUCTION | 1 |
| 1.1 | Objective of the study | 5 |
| 1.2 | Study area | 6 |
| 1.3 | Period of study | 6 |
| 1.4 | Methodology, Sampling design and sample size | 6 |
| | The State Profile | 8 |
| Chapter II | IMMUNIZATION | 11 |
| 2.1 | Coverage of Children by BCG & DPT Vaccines | 12 |
| 2.2 | Coverage of Children by OPV & Measles Vaccines | 12 |
| 2.3 | Full Immunization status | 14 |
| 2.4 | Immunization status in 2011-12 & 2012-13 | 16 |
| 2.5 | Place of Immunization | 18 |
| 2.6 | Reasons for non immunization | 19 |
| 2.7 | Reasons for partial immunization | 20 |
| 2.8 | Dropout rates of different vaccines | 21 |
| 2.9 | Immunization Status by Sex, Religion and Caste | 22 |
| | Tables | 24-32 |
| Chapter III | MATERNAL HEALTH | 33 |
| 3.1 | BACKGROUND PROFILE OF MOTHERS | 34 |
| 3.1.1 | Religion & Caste of mothers | 34 |
| 3.1.2 | Educational Status of the husbands & mothers | 35 |
| 3.1.3 | Occupational status of the husbands & mothers | 36 |
| 3.1.4 | Family size | 36 |
| 3.1.5 | Current age of mothers & Age at marriage | 36 |
| 3.2 | ANTENATAL CARE | 37 |
| 3.2.1 | ANC registration & number of ANC | 37 |
| 3.2.2 | ANC status in 2011-12 & 2012-13 | 39 |
| 3.2.3 | Period of ANC registration | 40 |

| SL. NO. | CONTENTS | Page No |
|---------|---|---------|
| 3.2.4 | Source of information for ANC | 41 |
| 3.2.5 | Place of ANC registration | 41 |
| 3.2.6 | Place of ANC received | 42 |
| 3.2.7 | Quality of ANC provided | 43 |
| 3.2.8 | Health Education to the mothers | 44 |
| 3.2.9 | Reasons for no ANC | 45 |
| 3.2.10 | Role of ASHA during ANC | 45 |
| 3.2.11 | Number of ANC by religion, caste, age-group and order | 46 |
| 3.3 | INTRA-NATAL & POST-NATAL CARE | 47 |
| 3.3.1 | Place of delivery | 47 |
| 3.3.2 | Place of delivery in 2011-12 & 2012-13 | 49 |
| 3.3.3 | Persons conducting Home Delivery | 50 |
| 3.3.4 | Reasons for Home Delivery | 51 |
| 3.2.5 | Type of delivery at the facility | 51 |
| 3.2.6 | Mothers Staying at the facility after delivery | 51 |
| 3.3.7 | Role of ASHA during institutional delivery | 52 |
| 3.3.8 | Benefit under JSY | 52 |
| 3.3.9 | Institutional Delivery by religion, caste and number of ANC | 52 |
| 3.4 | JANANI SISU SURAKSHA KARYAKRAM | 54 |
| | Tables | 56-93 |

TABLES:

| Table No. | CONTENTS -IMMUNIZATION | Page No |
|-----------|---|---------|
| 2.1(A) | District wise Distribution of children aged 12 to 23 months by BCG & DPT vaccination | 24 |
| 2.1(B) | District wise Distribution of children aged 12 to 23 months by OPV& Measles vaccination | 25 |
| 2.2 | District wise Distribution of children aged 12 to 23 months Immunization status | 26 |
| 2.3 | District wise Distribution of children aged 12 to 23 months by Immunization status, 2011-12 & 2012-13 | 27 |
| 2.4 | District wise Distribution of children aged 12 to 23 months by place of immunization | 28 |
| 2.5 | District wise Distribution of children by reasons for non immunization | 29 |
| 2.6 | District wise Distribution of children by reasons for partial immunization | 30 |
| 2.7 | District wise Distribution of dropout rates of different vaccines | 31 |
| 2.8 | District wise distribution of Immunization Status by Sex, Religion and Caste | 32 |

| Table No. | CONTENTS –MATERNAL HEALTH | Page No |
|-----------|--|---------|
| 3.1.1 | District wise Distribution of mothers according to religion | 56 |
| 3.1.2 | District wise Distribution of mothers by caste | 57 |
| 3.1.3 | District wise Distribution of husbands by educational level | 58 |
| 3.1.4 | District wise Distribution of mothers by educational level | 59 |
| 3.1.5 | District wise Distribution of husbands by occupational level | 60 |

| Table No. | CONTENTS | Page No |
|-----------|---|---------|
| 3.1.6 | District wise Distribution of mothers by occupational level | 61 |
| 3.1.7 | District wise Distribution of mothers by family size | |
| 3.1.8 | District wise Distribution of mothers by current age | 63 |
| 3.1.9 | District wise Distribution of mothers by age at marriage | 64 |
| 3.2.1(A) | District wise Distribution of mothers by number of ANC received during last pregnancy | 65 |
| 3.2.1(B) | District wise Distribution of mothers by ANC status, 2011-12 & 2012-13 | 66 |
| 3.2.1(C) | District wise distribution of mothers who received 3 or more ANC by Religion, Caste, Order of Birth & Age Group | 67 |
| 3.2.2 | District wise Distribution of mothers by period of ANC registration | 68 |
| 3.2.3 | District wise distribution of mothers by source of information for ANC | 69 |
| 3.2.4 | District wise distribution of mothers by place of registration for ANC | |
| 3.2.5 | District wise distribution of mothers by Place of ANC received | 71 |
| 3.2.6 (A) | District wise Distribution of mothers according various services provided & examinations undergone | |
| 3.2.6 (B) | District wise Distribution of mothers by health education & advice received | |
| 3.2.7 | District wise Distribution of mothers by reasons for no ANC | 74 |
| 3.2.8 | District wise Distribution of mothers accompanying by ASHA during ANC | 75 |
| 3.3.1(A) | District wise Distribution of mothers by place of delivery | 76 |
| 3.3.1(B) | District wise Distribution of mothers by place of institutional delivery | |
| 3.3.1(C) | District wise Distribution of mothers by place of delivery, 2011-12 & 2012-13 | |
| 3.3.1(D) | Institutional Delivery by Region, Caste and ANC received | |
| 3.3.2 | District wise Distribution of persons conducting Home Delivery | |
| 3.3.3 | District wise Distribution by reasons for Home Delivery | 81 |

| Table No. | CONTENTS | Page No |
|-----------|--|---------|
| 3.2.3(A) | District wise Distribution of mothers by mode of transportation To hospital | |
| 3.2.3(B) | District wise Distribution of mothers by mode of transportation To hospital | |
| 3.2.4 | District wise distributions of mothers by type of delivery | 84 |
| 3.2.5 | District wise distributions of mothers by staying at the facility after delivery | 85 |
| 3.3.6 | District wise Distribution of mothers accompanied by ASHA during delivery | 86 |
| 3.3.7 | District wise Distribution of mothers by referred to higher facility | 87 |
| 3.3.8 | District wise distributions of mothers by type of facility where referred | 88 |
| 3.3.9 | District wise Distribution of mothers according to PNC status | 89 |
| 3.3.10 | District wise Distribution of mothers by JSY beneficiaries | 90 |
| 3.3.11 | District wise distributions of mothers by awareness about JSSK | 91 |
| 3.3.12 | District wise distributions of mothers by source of awareness about JSSK | 92 |
| 3.3.13 | District wise distributions of mothers by awareness about benefit of JSSK | 93 |

ABBREVIATION

| Α | | |
|------|---|--|
| ANC | Ante Natal Care | |
| ANM | Auxiliary Nurse Midwife | |
| ASHA | Accredited Social Health Activist | |
| AWC | Anganwadi Centre | |
| AWW | Anganwadi Worker | |
| В | 0 | |
| BCC | Behaviour Change Communication | |
| BCG | Bacillus of Calmette and Guerin | |
| С | | |
| СВО | Community Based Organization | |
| CHC | Community Health centre | |
| CHV | Community Health Volunteer | |
| D | , | |
| DH | District Hospital | |
| DPT | Diptheria Pertusis Tetanus | |
| E | | |
| EC | Eligible Couples | |
| EDD | Expected Date of Delivery | |
| F | | |
| FRU | First Referral Unit | |
| FW | Family Welfare | |
| G | | |
| GNM | General Nurse Midwife | |
| Gol | Government of India | |
| Н | | |
| H&FW | Health and Family Welfare | |
| HD | Home Delivery | |
| HW | Health Worker | |
| 1 | | |
| ID | Institutional Delivery | |
| IEC | Information Education and Communication | |
| IFA | Iron Folic Acid | |
| IMR | Infant Mortality Rate | |
| J | | |
| JSSK | Janani Shishu Suraksha karyakram | |
| JSY | Janani Suraksha Jojana | |
| K | | |
| L | | |

| Lady Health Visitor |
|-------------------------------|
| |
| Maternal Mortality Ratio |
| Medical Officer |
| • |
| National Family Health Survey |
| Non Government Organization |
| Number |
| National Population Policy |
| National Rural Health Mission |
| |
| Out Patient Department |
| Oral Polio Vaccine |
| |
| Percentage |
| Public Health |
| Primary Health Centre |
| Post Natal Check-up |
| |
| |
| Reproductive and Child Health |
| Reproductive Tract Infection |
| |
| Sub Centre |
| |
| Traditional Birth Attendant |
| Tetanus Toxoid |
| |

EXECUTIVE SUMMARY:

Maternal mortality is a very sensitive indicator. It indicates the healthcare system of a country and also indicates the prevailing socio-economic scenario. India contributes to 20 per cent of global maternal deaths. Around 56,000 women die every year in the country due to pregnancy or pregnancy related causes. Over the last decade, there has been a decline in maternal mortality ratio (MMR) from 301 (SRS 2001-2003) to 212 (SRS 2007-09), yet the lifetime risk of death for a pregnant woman is one in seven. Despite the appreciable decline, the current MMR continues to be unacceptably high. Similarly, IMR has declined from 58 in 2005 to 42 per 1000 live births (SRS Bulletin) in 2013.

Under NRHM, there are a number of focused interventions for improving care of both the mother and the newborn, which include focus on improving access to skilled birth attendance and emergency obstetric care for all women in rural areas. On the demand side, JSY has led in overcoming many traditional barriers to institutional deliveries. This has led to an unprecedented surge in the proportion of institutional delivery even in the low performing states. Further, the 12th Five Year Plan aims to bring all women during pregnancy and childbirth into the institutional fold so that delivery care services of good quality can be provided to them at the time of delivery at zero expense as envisioned under the Janani Shishu Suraksha Karyakram (JSSK) programme

As a part of the periodic review of the maternal and child health performances of Assam, NRHM, Govt. of Assam had entrusted Regional Resource Centre of NE states to rank the district as per the maternal and child health performance for the year 2012-13. RRC NE had therefore taken up the coverage evaluation survey of Assam.

OBJECTIVE OF THE STUDY:

The main objective of the study is to:

- To assess the coverage of immunization of children
- To assess the availability and utilization of maternal health care services in Assam
- To find out, if any, improvement has taken place regarding immunization coverage and maternal health care services over the last Coverage Evaluation Survey (2011-12)

STUDY METHODOLOGY:

The study was taken up in twenty five districts of Assam, two of the districts, namely Karbi Anglong and N.C.Hills could not be taken up due to some unavoidable circumstances. The manpower involved for data collections were from Population Research Centre, and passed out students of Gauhati University, Dibrugarh University and Assam University. The time period of the study for undertaking preliminary work, field data collection, analysis of the data and report writing is Jan 2013 to Sept 2013.

All children aged 12-23 months and women who delivered during 12 months preceding the survey in the urban and rural areas in the state formed the two universes of the study.

30 cluster sampling technique was taken for the study. A total of 300 mothers and 300 children were taken and studied from each district by using a structured interview schedule for each category of respondent.

IMMUNIZATION SERVICES:

This study for immunization was captured amongst 7842 mothers who had child in the age group of 12-23 months. Overall full immunization coverage of children age 12-23 months in the state is 78.25 percent. This was found to be highest in Jorhat district (91%) followed by Dibrugarh (90%). The lowest full immunization was found in Karimganj district with 65.8%. Further, another 8% of the children were fully immunized but were above 1 years of age. When analysed districtwise, the percentage was seen to be highest in Dhubri district recording 12%. Steps need to be taken so as to immunize the children within 1 years of age. It is to be noted that a major section of the children 11.6% were only partially immunized and to add on the owe 2.1% of the children were not at all immunized making them susceptible for vaccine preventable diseases.

District-wise, it is observed that Golaghat, Jorhat and Lakhimpur were the three districts where children had at least received one type of vaccine during 12 to 23 years of age. On the other hand Karimganj had 6.31% of non coverage of children with any type of vaccination, followed by Darrang (5.32%) and Dhubri with 5%. Of the total children not being immunized at all, it was found that 39.2% of them reported of not having faith on immunization and around 29% of the survey respondents were not aware of the need of immunization.

It is found that overall the performance of full immunization coverage in the state is almost constant with a minimal increase of 0.3 % from 2011-12. District-wise it is found that there are 12 districts which recorded a rise in the immunization coverage, highest being in Chirang district (12.5%) but in another 13 districts, decline was seen, highest decline being in Hailakandi and Morigaon, each with around 7%.

Antigen wise vaccination showed lots of variation. 96.5% of the children in the age between 12 to 23 months received BCG immunization, whereas when it came to measles only 88.7% of them were covered. Therefore, significant dropouts of 7.8% can be seen from BCG to measles vaccine. As regards to the place of vaccination, majority of them received vaccination from Govt. sector, highest being in SC with 50.2%., followed by VHND/ outreach session (26.1%). Only 13.4% children received vaccination from PHC and 5.4% from other Govt. Hospitals.

MATERNAL HEALTH CARE SERVICES:

The mothers surveyed were majorly found to be Hindu (64.1%), followed by Muslims (32%) and 3% of them were Christians. In terms of education qualification, it was seen that 82.4% of the respondent's husband and 78.5% of the respondents had some level of educational qualification. In majority of the cases (24.4%), the occupation of the husband was found to be daily wage labourer, 22.3% of them had cultivation as their occupation. On the other hand majority of the mothers (86.9%) under the study were housewives. It is observed that 44.6% of the mothers had less than five members in the family, followed by 21.6% who had less than 8 members. Majority of the mothers (42.7%) taken up for the study were in the age group of 25-29, another 37.8% were in the age group of 20-24, followed by 10.1% in the age group of 30-34. It is also observed that 5.5% of the mothers were in the age group of 15-19 years, major contributors were Bongaigaon district, Hailakandi district and Dibrugarh district, which is a matter of concern. Further, overall 52.5% of the mothers had married at the age of 15-19 years, 36.5% of them married at the age of 20-24 years and 9.5% of them were in the age group of 30-34 years during their marriage.

The study shows that overall 97.2% of the mothers had registered for ANC. But of these, receiving of 4 ANC is reported by only 51% of mothers. The lowest 4 ANC is recorded (23.7% each) in Hailakandi and Morigaon. Further, the 3 ANC registration is lower than 50% in all districts, highest recorded is of Morigaon district, which is 45%

As compared to 2011-12, no major changes in ANC services has been recorded in 2012-13. There is only 1% and around 4% increase in 1 ANC and 2 ANC respectively during 2012-13 as compared to 2011-12. However, at the same period a decline of 4.2% was recorded in case of 3 and more ANC, which is of more importance.

The registration of ANC should be done as soon as the pregnancy is suspected. But the study shows that only around 61% had registered for ANC during 1st trimester. Dhubri recorded the lowest with 35.7%.

Regarding the place of registration for ANC, more than 50% of the mothers had their ANC registration at the SC (52.3%).

The study shows that more than 90% of the mothers reported that TT injection was given, BP check up was conducted and weight was taken during the ANC visits. Further, more than 80% of the mothers reported that they were provided with 100 IFA tablets, abdomen examination was done and blood was tested for anemia. On the other hand only 68.7% of the mothers reported that the urine sample was examined. Also, counselling to the mothers by the service providers needs to be improved as overall only below 70% of the mothers were counselled on ANC.

78.2% of the mothers have reported that they have delivered at the health facility. It is heartening to note that more than 90% of the mothers have reported institutional delivery in Kamrup Rural, Sivasagar Dibrugarh and Jorhat districts. Of the total institutional delivery overall 13.8% of the mothers reported to have undergone C-Section. Overall there is 5.1% increase of institutional delivery during 2012-13 from 2011-12. However, 48 hrs stay at the institution at the delivery is reported by only 44.4%. Necessary counselling should be given to the mothers so that they stay till 48hrs and beyond. Some of the districts like Dhubri and Goalpara recorded as low as 15.3% and 13.4% respectively.

Of the 22.8% of home delivery, only 2.1% were attended either by MO or by an ANM, who are considered to be skilled manpower, posing a threat/risk to the lives of remaining more than 90% of the mothers delivering at home. The major reason for home delivery cited is due to facility being too far (44.9%), followed by time constraint (35%), home delivery preference 28.8%, cost factor (20.7%) and TBA is available (15.5%).

ASHA is seen as a catalyst in improving the maternal health care services in Assam. It is found that 88% of the mothers who had received ANC registration got the information from the ASHA. It is heartening to note that in Chirang 100% mothers reported to have received the messages from ASHA. The study indicates that ASHAs have taken a leading role in accompanying the mothers to the health facilities for ANC as overall 81.1% of the mothers were accompanied by ASHAs for ANC. Further, 81.5% of mothers have reported of being accompanied by ASHA during delivery to the health facility. It is heartening to note that from some of the districts like Udalguri, Kokrajhar, Dhemaji, Golaghat and Dhubri more than 90% mothers reported of being accompanied by ASHAs.

In regards to JSY, the financial assistance provided was reported by 83.2% of the mothers. On the other hand, JSSK scheme is yet to gain momentum as it is seen that more than 58.9% of the mothers came to the hospital by their own arrangement. Ambulance/ 108/ Free Govt. Vehicle were used by only 35.5% of the mothers and only 2.7 got their money reimbursed from the government. Further in case of drop back facility 64.1% of the mothers reported to have made their own arrangement. Districtwise analysis also shows that in all the districts it was reported to be more than 50%.

Awareness on JSSK scheme also needs to be penetrated further to the beneficiaries as only 43.8% of mothers reported that they were aware about the JSSK scheme. Amongst the district it was reported highest in Kamrup Metro (71.7%) and lowest in Kokrajhar (26%). Of these majority of the mothers reported to have got the message on JSSK through ASHA. There were very few mothers (only 4.7%) who had reported of seeing signboard at the hospital. Further, the knowledge on various benefits provided under the JSSK was poor amongst the mothers. Only 73.7% of them knew about the provision of free medicine,, 34% of them knew about the free diet facility and the pick and drop back facility was known only to 29.8% and 25.3% respectively.

BACKGROUND OF THE STUDY:

Improving maternal health is one of the eight Millennium Development Goals. It is widely accepted that the use of maternal health services helps in reducing maternal morbidity and mortality. Every year, about 5.4 million children around the world die before the age of one and about 7.5 million die before the age of five. Two thirds of these deaths are preventable. The maternal mortality situation in India is very grave, as it accounts for over 56,000 women a year, which accounts for almost one fourth of world's maternal deaths.

Recognizing child and maternal health as a critical concern, the Government of India launched the National Rural Health Mission (NRHM) in 2005 in the country, with a special focus on 18 states identified as having poor outcome indicators. The idea behind the Mission is to provide universal access to equitable, affordable and quality health care through an integrated approach as well as to bring about institutional changes such as decentralization of the public health system; integration of organizational structures; community participation and ownership of assets; and convergence in services which co-determine health outcomes (e.g. food, nutrition, water and sanitation).

The NRHM was further extended for the 12th Five Year Plan period. The goals of NRHM in the 12th plan period states that efforts will be made to consolidate the gains and build on the successes of the Mission to provide accessible, affordable and quality universal health care, both preventive and curative, which would include all aspects of a clearly defined set of healthcare entitlements including preventive, primary and secondary health services.

Further, the goals of NRHM in the 12th five year plan targets of reducing MMR to less than 100 per 1 lac live birth, reducing IMR to less than 27 per 1000 live birth, reducing NMR to less than 18 per 1000 live birth and reducing TFR to 2.1.

One of the key components of NRHM is the ASHA. The ASHAs are basically the community health workers identified at the village level. There is a provision of identifying one ASHA per villages/ hamlets/1000 population. They are the first port of call for any health related demand of the community. The major role of ASHA is to create health awareness amongst the community.

NRHM also emphasizes on having institutional delivery. It facilitates in strengthening of health infrastructure at various levels (SC/ PHC/ CHC/ SDH/DH) for conducting delivery at the health facilities in terms of providing additional manpower and providing various skill development and hands-on training to the service providers. NRHM also supports in augmenting the existing health infrastructure and construction of new health facilities, so as to provide round the clock services. Provision of ambulances at the health facilities for making possible the referral system, in case of emergency is also provided.

An integrated approach is developed by GoI under NRHM to address the reproductive, maternal, new born and adolescent health (RMNCH+A). The RMNCH+A approach essentially looks to address the major causes of mortality among women and children as well as the delays in accessing and utilizing the health care services. The coverage targets for key RMNCH+A interventions for 2017 are:

- Increase facilities equipped for perinatal care (designated as 'delivery point') by 100%.
- Increase proportion of all births in governmental and accredited private institutions at annual rate of 5.6% from the baseline of 61% (SRS 2010)
- Increase proportion of pregnant women receiving antenatal care at annual rate of 6% from the baseline 53 %(CES 2009).
- Increase proportion of mothers and newborns receiving post natal care at annual rate of 7.5% from the baseline 45% (CES, 2009).
- Increase proportion of deliveries conducted by skilled birth attendants at annual rate of 2% from the baseline of 76% (CES 2009)
- Increase exclusive breast feeding rates at annual rate of 9.6% from the baseline of 36% (CES 2009)

- Reduce prevalence of under-five children who are underweight at annual rate of
 5.5% from the baseline of 45% (NFHS 3)
- Increase coverage of three doses of combined diphtheria-tetanus-pertussis (12–23 months) at annual rate of 3.5% from the baseline of 7% (CES 2009)
- Increase ORS use in under-five children with diarrhoea at annual rate of 7.2% from the baseline of 43% (CES 2009)
- Reduce unmet need for family planning methods among eligible couples, married and unmarried, at annual rate of 8.8% from the baseline of 21% (DLHS 3)
- Increase met need for modern family planning methods among eligible couples at annual rate of 4.5% from the baseline of 47% (DLHS 3)
- Reduce anaemia in adolescent girls and boys (15–19 years) at annual rate of 6% from the baseline of 56% and 30%, respectively(NFHS 3)
- Decrease the proportion of total fertility contributed by adolescents (15–19 years) at annual rate of 3.8% per year from the baseline of 16% (NFHS 3)
- Raise child sex ratio in the 0-6 years age group at annual rate of 0.6% per year from the baseline of 914 (Census 2011)

Various schemes/initiatives have been framed under NRHM for promoting institutional delivery at the public health facilities:

Janani Suraksha Yojana (JSY): JSY seeks to provide cash incentive to the mothers for delivering the babies at the public health facilities. It also provides cash incentive to the ASHAs who accompany them to health facilities for institutional delivery. There is also a provision of roping in the private health facilities by accrediting them for providing delivery services.

Janani Shishu Surakshya Karyakaram (JSSK): Launched in June 2011, Janani Shishu Suraksha Karyakaram (JSSK) is an initiative by the MOHFW under the National Rural Health Mission (NRHM) that envisages free and cashless services to all pregnant women including normal deliveries and caesarean operations and also treatment of sick children upto 1 years of age in all Government health institutions across the country. It invokes a new approach to health care, placing for the first time, utmost emphasis on entitlements and elimination of out of pocket expenses for both pregnant women and infants. It stipulates out that all

expenses related to delivery in a public health institution would be borne entirely by the government and no user charges would be levied. Under this initiative, a pregnant woman would be entitled free transport from home to the government health facility, between facilities, in case she is referred on account of complications and also drop back home after 48 hours of delivery. The entitlements would also mean free drugs and consumables, free diagnostic, free blood whenever required and free diet to the woman during the period of stay in the health facility. Similar entitlements have been put in place for all sick new born, which has now been expanded till all infants.

Reporting forms the backbone of any programme. It helps to keep the track of the implementation of the programme and also to ascertain the achievement. The periodic coverage evaluation is essential because of the fact that appropriate, accurate and up to date information on maternal health and also immunization is readily available with the state. It also helps in identifying the problem areas if any for improving these services.

OBJECTIVE OF THE STUDY:

1.1 OBJECTIVES OF THE STUDY

The prime objective of the study was to rank the districts of Assam based on Immunization and Maternal Health Services. Ranking of the districts can be done by assessing the services provided to the pregnant women at different periods and vaccination of children. Therefore the overall objective of the study is as follows:

- i) To assess the immunization coverage of children in Assam
- ii) To assess the availability and utilization of maternal health care services in Assam
- iii) To find out, if any, improvement has taken place regarding immunization coverage and maternal health care services over the last Coverage Evaluation Survey (2011-12)

In order to achieve the above objectives, the study has the following specific objectives.

- To assess the immunization coverage of children aged group between 12 months to 23 months.
- ii) To assess antenatal, intra natal and post natal care coverage.
- iii) To assess the bottlenecks in utilization and delivery of the services.
- iv) To assess the knowledge about different schemes for the beneficiaries
- v) To find out association between various factors influencing the utilization of various services and to suggest corrective steps wherever possible to improve their health status.
- vi) To see, if improvement has been made over the last survey in respect of certain Maternal and Child Health indicators.

1.2 STUDY AREA

The present study is a part of the continuous periodic Coverage Evaluation Survey, designed to conduct periodically in all the districts of Assam since 2007. It was carried out in twenty five districts out of twenty seven districts of Assam. The two districts namely, Karbi Anglong, and NC Hills could not be taken up for the study due unavoidable circumstances.

1.3 PERIOD OF STUDY

The study was conducted by Regional Resource Centre for North Eastern states, Ministry of Health & Family Welfare, Govt. of India, Guwahati - 22. The manpower involved for data collection were from Population Research Centre, and passed out students of Gauhati University, Dibrugarh University and Assam University

The preliminary work of the study like preparation of schedule, selection of clusters, briefing of the study to the supervisory staff and training of the investigators, etc. started from January'2013 to February'2013. Actual work in the field started from March'2013 and the field work completed on May'2013.

Analysis, tabulation, interpretation and report generation of the survey were done from June'2013 to September'2013.

1.4 METHODOLOGY, SAMPLING TECHNIQUE AND SAMPLE SIZE

a. Study Population:

All children aged 12-23 months and women who delivered during 12 months preceding the survey in the urban and rural areas in the state formed the two universes of the study.

b. Sampling Technique

Considering the vastness of the population as well as of geographical area, sample survey technique was considered suitable for the present survey. Again out of various sampling techniques, cluster sampling technique is found appropriate for conducting health studies. This is because, in other sampling techniques the list of study units (sampling frame) is usually not available or difficult to prepare. Again in order to make the technique more efficient 30 clusters from each district is selected as per WHO guideline and from each cluster 10 mothers who delivered within last 12 months and 10 children in the age group of 12 + to 23 months were selected and studied. Thus a total of 300 mothers and 300 children were taken and studied from each district.

Selection of 30 clusters from each district and selection of 300 mothers and 300 children from each district would mean that design effect is taken as 3, which would definitely increase efficiency of the study and provide reliable data for assessment of immunization status of children as well as health of the mothers.

c. Survey instruments

For each of the above two respondent categories, separate structured interview schedules were prepared to gather the information required for the study:

- i) Interview schedule for routine immunization coverage of children aged 12 to 23 months
- ii) Interview schedule for maternal care services of mothers who delivered during12 months preceding the survey

THE STATE PROFILE: ASSAM

Assam is a northeastern state of India with Dispur as its capital. Located south of the eastern Himalayas, Assam comprises the Brahmaputra and the Barak river valleys along with the Karbi Anglong and the North Cachar Hills with an area of 30,285 square miles (78,438 km²). Assam is surrounded by six of the other Seven Sister States: Arunachal Pradesh, Nagaland, Manipur, Mizoram, Tripura and Meghalaya.

ASSAM (ASOM) CHINA DISTRICTS DHEMAJI ARUNACHAL PRADESH Dibrugarh DIRRUGARH BHUTAN SIBSAGAR Sibsagar SONITPUR BAKSA UDALGURI GOLAGHAT CHIRANG KOKRAJHAR Tezpur Kajalgaon Nalbari DAKRANA RI Darrang® MARIGAON Golaghat Bongaigaon ⊕ Nagaon [®]Barpeta BONGAIGAON KARBI ANGLONG KAMRUP METROPOLITAN DHUBURI DISPUR . BARPETA Goalpara . NAGALAND GOALPARA Goroimari NAGAON KARBI ANGLONG KAMRUP Diphu MYANMAR DIMA HASAO MEGHALAYA CACHAR ⊚ Silcha Karimganj BANGLADESH MANIPUR LEGEND Hailakandi International Boundary State Boundary Map not to Scale District Boundary Copyright © 2012 www.mapsofindia.com. (Updated on 17th July 2012) State Capital TRIPURA MIZORAM District Capital

Map of Assam

1.5 DEMOGRAPHIC PROFILE OF ASSAM

As per 2011 census, the population of Assam is 31.2 million and is scattered across 27 districts and 26395 villages. Assam acquires 2.5 % of the total population of India as per census 2011. The sex ratio of all age group of Assam is 954 which are higher than the national. The decadal growth rate of Assam is 16.93.

The demographic profile of Assam is shown in the table below:

| | Census 2011 Census 2011 | |
|-------------------------------|-------------------------|-----------------------|
| | (Assam) | (India) |
| Total Population | 3,12,05,576 | 1,21,05,69,573 |
| Male Population | 15954927 (51.18%) | 62,31,21,843 (51.48%) |
| Female Population | 15214345 (48.82%) | 58,74,47,730 (48.42%) |
| Population Urban | 4398542 (14 %) | 37,71,06,125 (31.2%) |
| Population Rural | 26807034 (86%) | 83,34,63,448 (68.8%) |
| ST Population | 22,31,321 (7.2%) | 20,13,78,086 (16.6%) |
| SC Population | 38,84,37 (12.4%) | 10,42,81,034 (8.6%) |
| Population (0-6 yrs) – Total | 4638130 (14.9%) | 16,44,78,150 (13.6%) |
| Population (0-6 yrs) – Male | 2363485 (14.8 %) | 8,57,32,470 (13.8%) |
| Population (0-6 yrs) – Female | 2274645 (14.9%) | 7,87,45,680 (13.4%) |
| Sex Ratio | 958 | 943 |
| Decadal Growth Rate | 16.93 | 17.64 |
| Population density sq km | 397 | 382 |
| Literacy rate (total) | 73.18 | 74.04 |
| Literacy rate - Male | 78.81 | 82.14 |
| Literacy rate - Female | 67.27 | 65.46 |

Source: Census 2011, Govt of India.

1.6 HEALTH INDICATORS OF ASSAM

The health indicators of Assam are shown in the table below:

| Sl. No. | Indicator | Assam |
|---------|--------------------------|-------|
| 1 | Maternal Mortality Ratio | 347 |
| 2 | Infant Mortality Rate | 57 |
| 3 | Crude Birth Rate | 21.3 |
| 4 | Crude Death Rate | 7.1 |
| 5 | Natural Growth Rate | 14.2 |
| 6 | Total Fertility Rate | 2.4 |

Source: Annual Health Survey 2011-2012

1.7 PUBLIC HEALTH INFRASTRUCTURE

In order to cater to the healthcare needs of the people Govt. of Assam has the following numbers of Public health facilities:

| Sl. No. | Type of Facilities | Assam |
|---------|--------------------------|-------|
| 1 | Medical College Hospital | 6 |
| 2 | District Hospital | 24 |
| 3 | Sub-Divisional Hospital | 27 |
| 4 | Community Health Centre | 108 |
| 5 | Primary Health Centre | 938 |
| 6 | Sub - Centre | 4606 |

INTRODUCTION:

Immunization against childhood disease is one of the most cost effective public health interventions available and has saved the lives of millions of children in the past three decades. It also prevents many more millions from suffering debilitating illness and lifelong disability.

Immunization Programme has been an integral component of mother and child health services in India since adoption of the primary health care approach in 1978 being reinforced by the Declaration of Health Policy in 1983. Government of India (GoI) launched the Expanded Programme on Immunization in 1978 to protect children against diphtheria, pertussis, tetanus, and typhoid. Vaccination against polio through oral polio vaccine (OPV) was added to the programme in 1979-80 and BCG vaccination against tuberculosis was added in 1981-82. Vaccination against measles was included in 1985-86.

In 1985, the Universal Immunization Programme (UIP) was launched to protect all infants (0-12 months) against six serious but preventable diseases, namely, tuberculosis, diphtheria, pertussis, tetanus, poliomyelitis, and measles. The objective of the programme was to fully vaccinate at least 85% of all infants of the age of one year. In subsequent years, the goal of UIP was raised to ensure 100% coverage of all eligible children with one dose of BCG, three doses of DPT and OPV, and one dose of measles vaccine. This programme was integrated with the Reproductive and Child Health (RCH) Programme in 1997. In addition to the ongoing routine immunization programme, the Pulse Polio Immunization (PPI) campaign was initiated in 1995 to eradicate poliomyelitis from the country. Since, 2005, the UIP is subsumed under the overall umbrella of National Rural Health Mission.

This study for immunization was captured amongst 7842 mothers who had child in the age group of 12-23 months. The study provides an insight on the details of various dosages of immunization received along with the places of vaccination and also on the reasons of non immunization.

IMMUNIZATION COVERAGE:

2.1 COVERAGE OF CHILDREN BY BCG & DPT VACCINES

BCG is the vaccine which is administered at birth or at the earliest or at the six weeks of birth alongwith 1st dose of DPT and OPV. The study has captured the coverage of children by BCG and DPT vaccine. Table 2.1 (a) shows that 96.5% of the children in the age between 12 to 23 months have received BCG immunization.

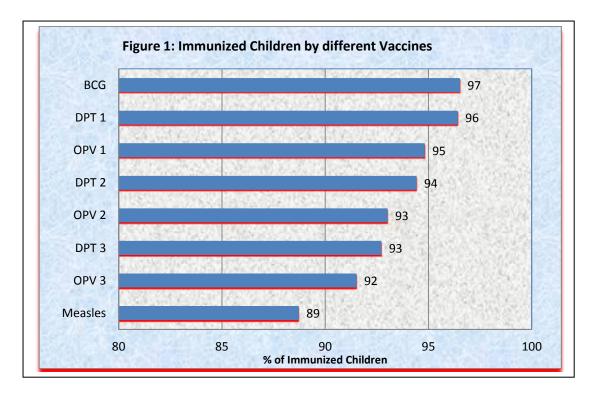
District wise variation in BCG vaccination was in the range of 90.7% to 100%. It is to be highlighted that all the districts had BCG vaccination above 90%. Two of the districts; Lakhimpur and Jorhat recorded 100%. Four districts; Sivasagar, Golaghat and Kamrup Metro and Kamrup Rural recorded 99% and more, whereas eleven districts recorded BCG vaccination of 95% and more. These districts are Baska, Bongaigaon, Cachar, Chirang, Dibrugarh, Goalpara, Kokrajhar, Nagaon, Nalbari, Sonitpur, and Udalguri. The remaining eight districts were below 95%.

In regards to DPT coverage, it has been observed that DPT1 coverage in Assam is 96.4%, DPT 2 coverage is 94.4% and DPT3 is 92.7%. District-wise, it has been found that the coverage of DPT 1, DPT 2 and DPT3 is 95% and more in nine districts; Chirang, Dibrugarh, Golaghat, Jorhat, Kamrup Rural, Lakhimpur, Nalbari, Sivasagar and Udalguri. Further, eleven districts; Baksa, Darrang, Kokrajhar, Kamrup Metro, Nagaon, Morigaon, Bongaigaon, Dhemaji, Cachar, Sonitpur and Tinsukia recorded 90 % and above in DPT3 coverage. Karimganj district with 79.1 % was the district with lowest coverage in DPT 3 vaccine.

2.2 COVERAGE OF CHILDREN BY OPV & MEASLES VACCINES

Table 2.1 (b) depicts the coverage of children by OPV and measles vaccine. It shows that more than 90% of the children were covered by OPV1, OPV2 and OPV 3 vaccine, whereas when it came to measles only 88.7% of them were covered. Therefore, significant dropouts of 7.8% can be seen from BCG to measles vaccine.

Immunization of children by various types of vaccine is also shown in the figure below:



Variations in the coverage were also found amongst the districts and also in the vaccine type. The coverage of children for OPV1 was found to be reported 95% and more in 14 districts, while in case of OPV2 it was found 95% and more in nine districts only. Further only six districts reported of covering 95% and more children for OPV3 dose. These six districts were Kamrup Rural, Lakhimpur, Dibrugarh, Jorhat, Golghat and Sivasagar.

The analysis also shows that six numbers of districts (Baksa, Hailakandi, Kamrup Metro, Goalpara, Kokrajhar and Karimganj) recorded more than 5% drop-out of children from OPV1 to OPV3, the highest being in Karimganj district which recorded 9.0% drop out.

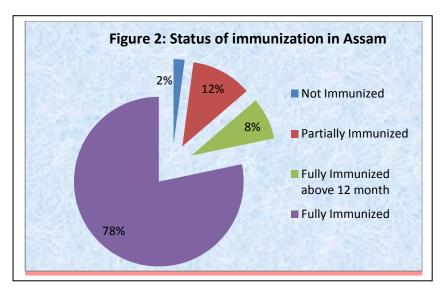
In case of measles coverage amongst the districts, Sivasagar and Jorhat districts recorded the highest, each covering 97.33% of children, followed by Dibrugarh with 96.32 % coverage. It was less than 95% in all other districts, with Karimganj covering only 75.75% of children under the study.

Usually, three doses of OPV vaccines are given along with DPT vaccine and it is found that OPV coverage is more than DPT coverage. But, it is interesting to see from the figure 1 that there is 1.0% less coverage in case of all three doses of OPV vaccines to DPT vaccines. Further, when analysed districtwise it is found from table 2.1(a) and 2.1(b) that difference between three doses of OPV & DPT coverage is more than 1.0% in seven districts. These districts are Chirang, Hailakandi, Morigaon, Nagaon, Nalbari, Sivasagar and Udalguri. Further, out of these seven districts Chirang has recorded the highest difference between 3 doses of OPV and DPT.

2.3 FULL IMMUNIZATION

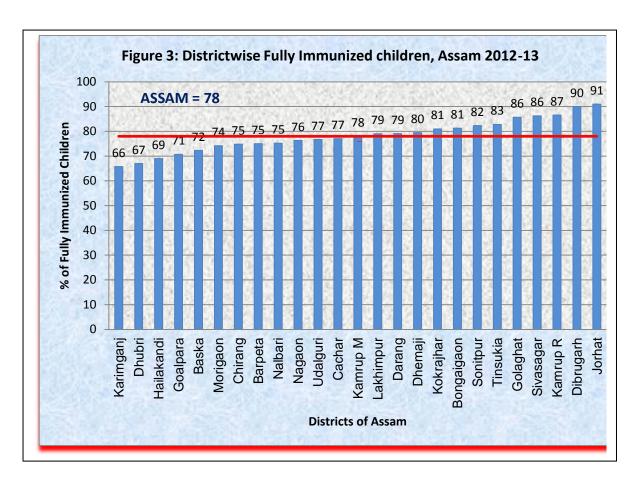
According to the primary immunization schedule, the child should be fully vaccinated by the time he/she is 12 months old. Full immunization includes one dose of BCG, three injections of DPT, three doses of polio and one injection of measles.

An analysis of the data shows that the proportion of children age 12-23 months receiving full immunization coverage in the state is 78.25 percent.



The study also shows that the coverage of immunization was highest in Jorhat district with 91%, followed by Dibrugarh with 90%. The lowest full immunization was found in Karimganj district with 65.8%. Two other districts Dhubri (67%) and Hailakandi (69%)

had coverage of less than 70%. Thirteen districts, which is around 50% of the surveyed districts were in the range of 70-80% coverage.



It is also revealed from the table 2.2 that 8% of the children who were fully immunized were above 1 years of age. When analysed districtwise, the percentage was seen to be highest in Dhubri district recording 12%. Concentrated effort should be made by the respective districts to immunize the children within 1 years of age so that the vaccination becomes more effective.

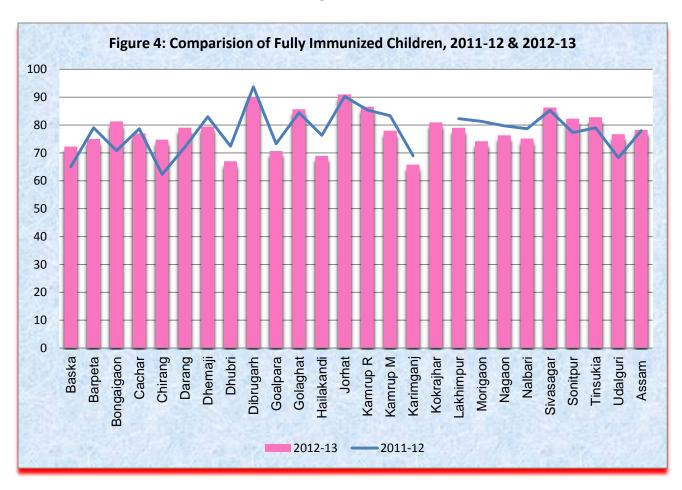
Further, a major section of the children 11.6% were only partially immunized and to add on the owe 2.1% of the children were not at all immunized making them susceptible for vaccine preventable diseases.

District-wise, it is observed that Golaghat, Jorhat and Lakhimpur were the three districts where children had at least received one type of vaccine during 12 to 23 month of age. On the other hand Karimganj had 6.31% of non coverage of children with any type of vaccination, followed by Darrang (5.32%) and Dhubri with 5%.

2.4 IMMUNIZATION COVERAGE DURING 2011-12 AND 2012-13.... A Comparison

The study also tried to analyze the performance of immunization coverage during 2011-12 and 2012-13. Table 2.3 shows that no significant improvement was seen in the immunization coverage during 2012-13 from 2011-12. It is to be mentioned that during 2011-12 Kokrajhar district was not covered under the study and hence comparison could not be derived for the district.

Overall the performance of full immunization coverage in the state is almost constant with a minimal increase of 0.3 % since 2011-12. However, there are large variations amongst the districts in their performances in last one year. It is seen that, 11 districts recorded a rise in the immunization coverage, highest being in Chirang district (12.5%), followed by Bongaigaon (10.5%), Udalguri (8.3%), Baksa (7.3%), Darrang (6.9%) and Sonitpur (5%). Other 5 districts namely, Jorhat, Sivasagar, Golaghat, Kamrup Rural and Tinsukia had less than 5% increase. Remaining 13 districts have shown a decline in their immunization performance during 2012-13 as compared to 2011-12. The highest decline was observed in Hailakandi and Morigaon districts, each with around 7%.



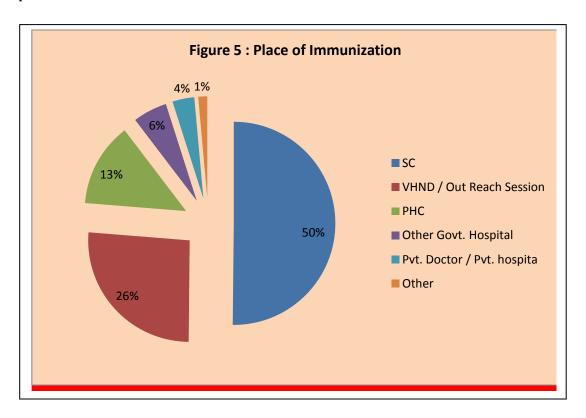
Further, the analysis shows that the percent of children not at all immunized has also increased from 1.6% to 2.1%, which is a major cause of concern. Except for seven districts (Darrang, Sonitpur, Kamrup Metro, Golaghat, Karimganj, Jorhat and Udalguri) all other districts have shown a rise in percent of children not at all immunized.

It is also observed that the partially immunized children have increased from 9.5% in 2011-12 to 11.6% in 2012-13, which is a cause of concern. The increase is recorded highest in Morigaon (10.05%), followed by Barpeta (8%), Nalbari (5.6%), Dhemaji (5.6%), Chirang (5.3%), Kamrup Metro (5.3%) and Lakhimpur (5%). Remaining 10 districts had less than 5% increase.

PLACE OF IMMUNIZATION

2.5 PLACE OF IMMUNIZATION

As regards to the place of vaccination (Table 2.4), most of the children (95%) received vaccination from Govt. sector. Again of the various Govt. sectors, majority of them received the vaccination from SC with 50.2%., followed by VHND/ outreach session (26.1%). Only 13.4% children received vaccination from PHC and 5.4% from other Govt. Hospitals.

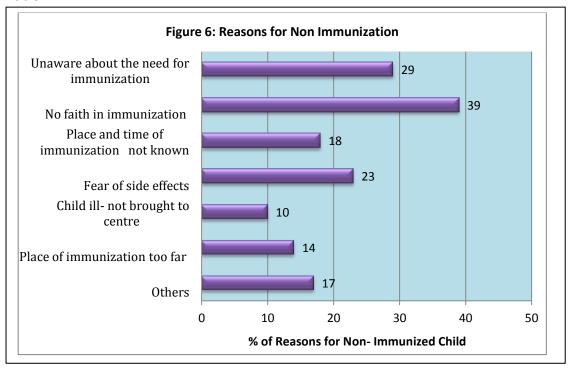


Variations have been noticed amongst the districts. It is to be noted that in five districts; Baksa, Dibrugarh, Nagaon, Nalbari and Udalguri more than 99% immunization was within the ambit of Govt. health facilities.

REASONS FOR NON IMMUNIZATION

2.6 NOT AT ALL IMMUNIZED

The study attempted to find out the reason of not immunizing the children at all (Table 2.5). Of the total number of 7482 children surveyed, 158 children were not being immunized at all. It was found that 39.2% of them reported of not having faith on immunization. Around 29% of the survey respondents were not aware of the need of immunization and 18.4% of them did not know about the place and time of immunization.



Taking into account the highest number of non immunized children in the district, there were slight variations in the reasons for not immunizing the child. Karimganj had the highest number of non-immunized children (19 Nos.) of which 63.2% responded that they had no faith in immunization. The second highest district with numbers of non-immunized children was Darrang (16 Nos.). In this district the major reasons for non immunization were place of immunization being too far (56.3%) and place and time of immunization not known (50.0%).

2.7 PARTIALLY IMMUNIZED

As mentioned in the table 2.2, out of 7482 children studied in 25 districts, about 86% were fully immunized (including above 12 month fully immunized child) and 2.1 % were not immunized, the remaining children i.e. 868 (11.6%) children were partially immunized. The reasons for partial immunization were elicited from the mothers who were asked to point out the most important reason for failure to fully immunize their children against the target diseases.

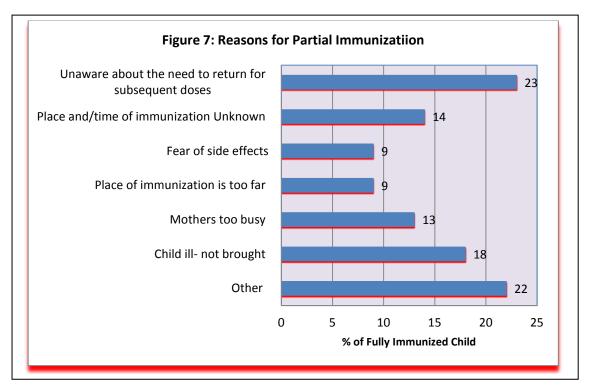


Figure 7 shows that the highest number of partial immunization is due to the fact that many mothers / guardians of the family were unaware about subsequent doses of immunization. This factor was found to be responsible for partial immunization more in Darrang and Sonitpur (table 2.6). Again 13.8% children were partially immunized because of place and time for immunization was not known to the mothers / guardians. It was found to be an important reason for partial immunization of children in Baska, Barpeta, Darang and Sonitpur districts.

Further, 16.9% children were partially immunized due to the fact that parents of these children did not bring their child to the session site due to illness of the child. This reasons was recorded highest in Karimganj district (53.1%) followed by Kamrup Metro and Sonitpur.

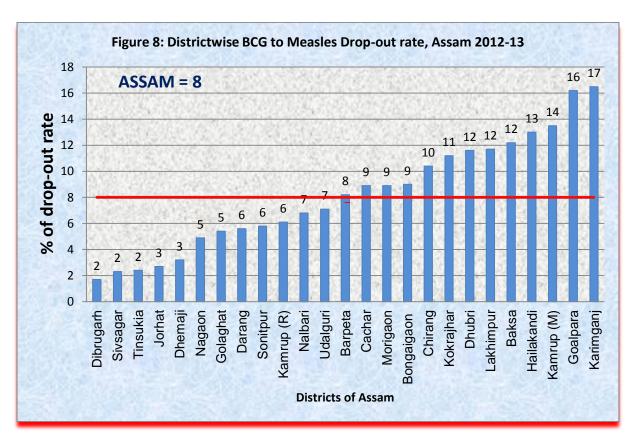
IMMUNIZATION

DROPOUTS

2.8 DROP OUT RATES OF DIFFERENT VACCINES

Although the immunization coverage has been increasing gradually in the state, but dropout is an obstacle to achieve the desired goal. Also, in order to achieve universal immunization it is important to track children so that all vaccines can be administered. An attempt was made to analyse at what stage the children dropped out and did not get all vaccines. The overall BCG-measles drop-out rate of the state was found to be 7.8 percent. It has also found that, OPV1 to OPV 3, DPT 1 to DPT3 and DPT1 to measles dropout rate were 3.5%, 3.8% and 8.0% respectively.

However there were variations amongst the districts. The highest drop-out of 17 percent from BCG to measles vaccine was recorded in Karimganj district, followed by 16% in Goalpara district, 14% in Kamrup Metro, 13% in Hailakandi, 12% each in Dhubri, Lakhimpur and Baksa, 11% in Kokrajhar and 10% in Chirang. All other districts had less than 10% drop out. It needs to be mentioned that Dibrugarh was the district with the lowest drop out percent with only 1.7%.



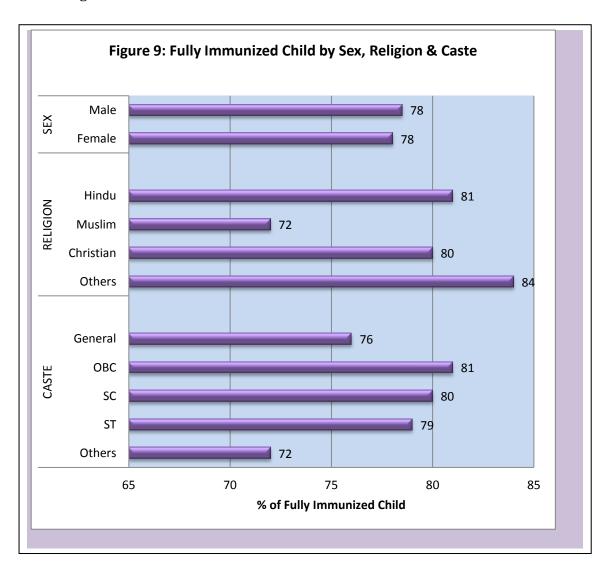
IMMUNIZATION

SOCIO DEMOGRAPHIC INFLUENCE

2.9 IMMUNIZATION STATUS BY SEX, RELIGION AND CASTE

The study also tried to find out the socio demographic influence on full immunization. In respect to full immunization coverage by sex, no significant difference was observed between the two sexes. However in some districts slight variation were observed but reasons of such slight variation was not due to favour or against a particular sex (Table 2.8).

The overall immunization status of the state by sex, religion and caste of the state is given in the figure below.



IMMUNIZATION

It also shows distribution of immunization status of children by religion. Out of the total children studied, 4989 (66.7%) were Hindus, 2308 (30.8%) were Muslims 160 (2.1%) Christian and 25 (0.33%) were other religious children. Amongst the particular category of religion taken under the study 1.4% Hindu 3.7%, Muslim and 1.9% Christian children did not receive any vaccine. On the other hand, 80.9% Hindu, 72.3% Muslim and 80.0% Christian children were fully immunized.

Table 2.8 also shows that the percentage of partially immunized children was more among Muslim children than that of children belonging to Hindu and Christian religion.

In regards to distribution of immunization status of children by caste, it is found that out of the total children surveyed 3425 (45.8%) belonged to general caste, 1555 (20.8%) to OBC, 973 (13%) to SC and 13538 (18.1%) to STs and 176 (2.3%) to other castes which include MOBC etc.

The percentages of fully immunized children among General Caste, OBC, SCs and ST were 76.3%, 81.2%, 80.2% and 79.2% respectively. Therefore, no marked differences in case of immunization status of children by caste were noticed from the study. It may be mentioned here that children who belonged to Muslim religion were categorized as General caste.

Table 2.1(A): District wise distribution of children aged 12 to 23 month by BCG & DPT vaccination

| | No. | | | | Cover | age | | | |
|------------|-----------------|------|-------|------|-------|------|------|------|------|
| District | No. of Children | ВС | G | DPT | 1 | DPT | .2 | DPT | 3 |
| | Ciliaren | No. | PC | No. | PC | No. | PC | No. | PC |
| Baksa | 300 | 296 | 98.7 | 293 | 97.7 | 283 | 94.3 | 272 | 90.7 |
| Barpeta | 300 | 280 | 93.3 | 282 | 94.0 | 275 | 91.7 | 266 | 88.7 |
| Bongaigaon | 300 | 289 | 96.3 | 288 | 96.0 | 286 | 95.3 | 278 | 92.7 |
| Cachar | 300 | 292 | 97.3 | 291 | 97.0 | 284 | 94.7 | 281 | 93.7 |
| Chirang | 302 | 297 | 98.3 | 299 | 99.0 | 295 | 97.7 | 287 | 95.0 |
| Darang | 301 | 284 | 94.4 | 283 | 94.0 | 278 | 92.4 | 273 | 90.7 |
| Dhemaji | 303 | 284 | 93.7 | 283 | 93.4 | 282 | 93.1 | 282 | 93.1 |
| Dhubri | 300 | 276 | 92.0 | 269 | 89.7 | 260 | 86.7 | 257 | 85.7 |
| Dibrugarh | 299 | 293 | 98.0 | 297 | 99.3 | 297 | 99.3 | 296 | 99.0 |
| Goalpara | 300 | 291 | 97.0 | 281 | 93.7 | 272 | 90.7 | 259 | 86.3 |
| Golaghat | 300 | 299 | 99.7 | 299 | 99.7 | 295 | 98.3 | 293 | 97.7 |
| Hailakandi | 300 | 276 | 92.0 | 281 | 93.7 | 270 | 90.0 | 263 | 87.7 |
| Jorhat | 300 | 300 | 100.0 | 297 | 99.0 | 293 | 97.7 | 292 | 97.3 |
| Kamrup (R) | 299 | 297 | 99.3 | 292 | 97.7 | 290 | 97.0 | 289 | 96.7 |
| Kamrup (M) | 300 | 297 | 99.0 | 294 | 98.0 | 276 | 92.0 | 275 | 91.7 |
| Karimganj | 301 | 273 | 90.7 | 266 | 88.4 | 250 | 83.1 | 238 | 79.1 |
| Kokrajhar | 274 | 268 | 97.8 | 269 | 98.2 | 259 | 94.5 | 249 | 90.9 |
| Lakhimpur | 300 | 300 | 100.0 | 299 | 99.7 | 293 | 97.7 | 290 | 96.7 |
| Morigaon | 299 | 280 | 93.6 | 291 | 97.3 | 285 | 95.3 | 276 | 92.3 |
| Nagaon | 299 | 284 | 95.0 | 288 | 96.3 | 281 | 94.0 | 275 | 92.0 |
| Nalbari | 302 | 296 | 98.0 | 296 | 98.0 | 292 | 96.7 | 291 | 96.4 |
| Sivsagar | 300 | 299 | 99.7 | 299 | 99.7 | 299 | 99.7 | 296 | 98.7 |
| Sonitpur | 300 | 291 | 97.0 | 291 | 97.0 | 287 | 95.7 | 284 | 94.7 |
| Tinsukia | 303 | 287 | 94.7 | 290 | 95.7 | 287 | 94.7 | 287 | 94.7 |
| Udalguri | 300 | 294 | 98.0 | 295 | 98.3 | 291 | 97.0 | 287 | 95.7 |
| ASSAM | 7482 | 7223 | 96.5 | 7213 | 96.4 | 7060 | 94.4 | 6936 | 92.7 |

Table 2.1(b): District wise distribution of children aged 12 to 23 month by OPV& Measles vaccination

| | | | | | Cove | rage | | | |
|------------|-----------------|------|------|------|------------|------|------|------|------|
| District | No. of Children | OPV | / 1 | OPV | <i>'</i> 2 | OPV | ' 3 | Meas | les |
| | Ciliaren | No. | PC | No. | PC | No. | PC | No. | PC |
| Baksa | 300 | 288 | 96.0 | 280 | 93.3 | 270 | 90.0 | 260 | 86.7 |
| Barpeta | 300 | 281 | 93.7 | 276 | 92.0 | 268 | 89.3 | 257 | 85.7 |
| Bongaigaon | 300 | 288 | 96.0 | 284 | 94.7 | 278 | 92.7 | 263 | 87.7 |
| Cachar | 300 | 288 | 96.0 | 280 | 93.3 | 278 | 92.7 | 266 | 88.7 |
| Chirang | 302 | 283 | 93.7 | 287 | 95.0 | 282 | 93.4 | 266 | 88.1 |
| Darang | 301 | 280 | 93.0 | 276 | 91.7 | 270 | 89.7 | 268 | 89.0 |
| Dhemaji | 303 | 283 | 93.4 | 282 | 93.1 | 282 | 93.1 | 275 | 90.8 |
| Dhubri | 300 | 245 | 81.7 | 242 | 80.7 | 241 | 80.3 | 244 | 81.3 |
| Dibrugarh | 299 | 297 | 99.3 | 296 | 99.0 | 290 | 97.0 | 288 | 96.3 |
| Goalpara | 300 | 278 | 92.7 | 266 | 88.7 | 259 | 86.3 | 244 | 81.3 |
| Golaghat | 300 | 298 | 99.3 | 295 | 98.3 | 293 | 97.7 | 283 | 94.3 |
| Hailakandi | 300 | 272 | 90.7 | 262 | 87.3 | 254 | 84.7 | 240 | 80.0 |
| Jorhat | 300 | 297 | 99.0 | 293 | 97.7 | 292 | 97.3 | 292 | 97.3 |
| Kamrup (R) | 299 | 292 | 97.7 | 289 | 96.7 | 289 | 96.7 | 279 | 93.3 |
| Kamrup (M) | 300 | 293 | 97.7 | 276 | 92.0 | 275 | 91.7 | 257 | 85.7 |
| Karimganj | 301 | 264 | 87.7 | 248 | 82.4 | 237 | 78.7 | 228 | 75.7 |
| Kokrajhar | 274 | 269 | 98.2 | 259 | 94.5 | 248 | 90.5 | 238 | 86.9 |
| Lakhimpur | 300 | 299 | 99.7 | 293 | 97.7 | 290 | 96.7 | 265 | 88.3 |
| Morigaon | 299 | 284 | 95.0 | 276 | 92.3 | 270 | 90.3 | 255 | 85.3 |
| Nagaon | 299 | 278 | 93.0 | 271 | 90.6 | 265 | 88.6 | 270 | 90.3 |
| Nalbari | 302 | 282 | 93.4 | 278 | 92.1 | 279 | 92.4 | 276 | 91.4 |
| Sivsagar | 300 | 294 | 98.0 | 295 | 98.3 | 293 | 97.7 | 292 | 97.3 |
| Sonitpur | 300 | 291 | 97.0 | 286 | 95.3 | 282 | 94.0 | 274 | 91.3 |
| Tinsukia | 303 | 281 | 92.7 | 286 | 94.4 | 281 | 92.7 | 280 | 92.4 |
| Udalguri | 300 | 285 | 95.0 | 286 | 95.3 | 279 | 93.0 | 273 | 91.0 |
| ASSAM | 7482 | 7090 | 94.8 | 6962 | 93.0 | 6845 | 91.5 | 6633 | 88.7 |

Table 2.2 : District wise distribution of children aged 12 to 23 month by Immunization status

| | | | | | Immuniza | tion Coverag | e | | |
|------------|----------|---------|---------|------|----------|--------------|---------|-----------|---------|
| District | No. of | | | Part | ially | | | Fully Imr | nunized |
| District | Children | Not Imm | nunized | lmmu | nized | Fully Im | munized | above 12 | 2 month |
| | | No. | PC | No. | PC | No. | PC | No. | PC |
| Baksa | 300 | 3 | 1.0 | 49 | 16.3 | 217 | 72.3 | 31 | 10.3 |
| Barpeta | 300 | 14 | 4.7 | 36 | 12.0 | 225 | 75.0 | 25 | 8.3 |
| Bongaigaon | 300 | 10 | 3.3 | 30 | 10.0 | 244 | 81.3 | 16 | 5.3 |
| Cachar | 300 | 6 | 2.0 | 37 | 12.3 | 231 | 77.0 | 26 | 8.7 |
| Chirang | 302 | 3 | 1.0 | 58 | 19.2 | 226 | 74.8 | 15 | 5.0 |
| Darang | 301 | 16 | 5.3 | 20 | 6.6 | 238 | 79.1 | 27 | 9.0 |
| Dhemaji | 303 | 3 | 1.0 | 25 | 8.3 | 241 | 79.5 | 34 | 11.2 |
| Dhubri | 300 | 15 | 5.0 | 48 | 16.0 | 201 | 67.0 | 36 | 12.0 |
| Dibrugarh | 299 | 2 | 0.7 | 16 | 5.4 | 269 | 90.0 | 12 | 4.0 |
| Goalpara | 300 | 8 | 2.7 | 52 | 17.3 | 212 | 70.7 | 28 | 9.3 |
| Golaghat | 300 | | 0.0 | 20 | 6.7 | 257 | 85.7 | 23 | 7.7 |
| Hailakandi | 300 | 13 | 4.3 | 58 | 19.3 | 207 | 69.0 | 22 | 7.3 |
| Jorhat | 300 | | 0.0 | 9 | 3.0 | 273 | 91.0 | 18 | 6.0 |
| Kamrup (R) | 299 | 2 | 0.7 | 18 | 6.0 | 259 | 86.6 | 20 | 6.7 |
| Kamrup (M) | 300 | 2 | 0.7 | 44 | 14.7 | 234 | 78.0 | 20 | 6.7 |
| Karimganj | 301 | 19 | 6.3 | 64 | 21.3 | 198 | 65.8 | 20 | 6.6 |
| Kokrajhar | 274 | 3 | 1.1 | 35 | 12.8 | 222 | 81.0 | 14 | 5.1 |
| Lakhimpur | 300 | | 0.0 | 35 | 11.7 | 237 | 79.0 | 28 | 9.3 |
| Morigaon | 299 | 4 | 1.3 | 46 | 15.4 | 222 | 74.2 | 27 | 9.0 |
| Nagaon | 299 | 9 | 3.0 | 40 | 13.4 | 228 | 76.3 | 22 | 7.4 |
| Nalbari | 302 | 5 | 1.7 | 34 | 11.3 | 227 | 75.2 | 36 | 11.9 |
| Sivsagar | 300 | 1 | 0.3 | 13 | 4.3 | 259 | 86.3 | 27 | 9.0 |
| Sonitpur | 300 | 9 | 3.0 | 19 | 6.3 | 247 | 82.3 | 25 | 8.3 |
| Tinsukia | 303 | 6 | 2.0 | 21 | 6.9 | 251 | 82.8 | 25 | 8.3 |
| Udalguri | 300 | 5 | 1.7 | 41 | 13.7 | 230 | 76.7 | 24 | 8.0 |
| ASSAM | 7482 | 158 | 2.1 | 868 | 11.6 | 5855 | 78.3 | 601 | 8.0 |

Table 2.3 District wise distribution of children aged 12 to 23 month by Immunization status, 2011-12 & 2012-13

| | Immunization status 2011-12 & 2012-13 (in %) | | | | | | | | | | | |
|------------|--|---------|---------|---------|--------------|----------|-----------------------|---------|-----------------------|---------|--|--|
| Districts | No. of | hildren | Not Imr | nunized | Partially In | nmunized | Fully Immuni 12 mo | | Fully Imr after 12 | | | |
| | 2011-12 | 2012-13 | 2011-12 | 2012-13 | 2011-12 | 2012-13 | 2011-12 | 2012-13 | 2011-12 | 2012-13 | | |
| Baksa | 300 | 300 | 1.7 | 1.0 | 14.7 | 16.3 | 65.0 | 72.3 | 18.7 | 10.3 | | |
| Barpeta | 300 | 300 | 2.0 | 4.7 | 4.0 | 12.0 | 79.0 | 75.0 | 15.0 | 8.3 | | |
| Bongaigaon | 301 | 300 | 2.3 | 3.3 | 8.3 | 10.0 | 70.8 | 81.3 | 18.6 | 5.3 | | |
| Cachar | 300 | 300 | 0.7 | 2.0 | 10.0 | 12.3 | 78.7 | 77.0 | 10.7 | 8.7 | | |
| Chirang | 300 | 302 | 3.0 | 1.0 | 13.7 | 19.2 | 62.3 | 74.8 | 21.0 | 5.0 | | |
| Darang | 301 | 301 | 4.0 | 5.3 | 16.6 | 6.6 | 72.1 | 79.1 | 7.3 | 9.0 | | |
| Dhemaji | 300 | 303 | 0.7 | 1.0 | 2.7 | 8.3 | 83.0 | 79.5 | 13.7 | 11.2 | | |
| Dhubri | 301 | 300 | 3.3 | 5.0 | 12.3 | 16.0 | 72.4 | 67.0 | 12.0 | 12.0 | | |
| Dibrugarh | 300 | 299 | 0.0 | 0.7 | 3.3 | 5.4 | 93.7 | 90.0 | 3.0 | 4.0 | | |
| Goalpara | 300 | 300 | 4.0 | 2.7 | 15.0 | 17.3 | 73.3 | 70.7 | 7.7 | 9.3 | | |
| Golaghat | 301 | 300 | 1.0 | 0.0 | 9.3 | 6.7 | 84.4 | 85.7 | 5.3 | 7.7 | | |
| Hailakandi | 300 | 300 | 0.7 | 4.3 | 16.3 | 19.3 | 76.3 | 69.0 | 6.7 | 7.3 | | |
| Jorhat | 300 | 300 | 0.3 | 0.0 | 3.7 | 3.0 | 90.3 | 91.0 | 5.7 | 6.0 | | |
| Kamrup (R) | 301 | 300 | 1.0 | 0.7 | 6.3 | 6.0 | 85.4 | 86.6 | 7.3 | 6.7 | | |
| Kamrup (M) | 300 | 299 | 1.7 | 0.7 | 9.3 | 14.7 | 83.3 | 78.0 | 5.7 | 6.7 | | |
| Karimganj | 300 | 301 | 2.7 | 6.3 | 23.0 | 21.3 | 69.0 | 65.8 | 5.3 | 6.6 | | |
| Kokrajhar | | 274 | | 1.1 | | 12.8 | | 81.0 | | 5.1 | | |
| Lakhimpur | 300 | 300 | 0.3 | 0.0 | 6.7 | 11.7 | 82.3 | 79.0 | 10.7 | 9.3 | | |
| Morigaon | 300 | 299 | 0.7 | 1.3 | 5.3 | 15.4 | 81.3 | 74.2 | 12.7 | 9.0 | | |
| Nagaon | 300 | 299 | 2.0 | 3.0 | 8.7 | 13.4 | 79.7 | 76.3 | 9.7 | 7.4 | | |
| Nalbari | 300 | 302 | 2.3 | 1.7 | 5.7 | 11.3 | 78.7 | 75.2 | 13.3 | 11.9 | | |
| Sivsagar | 300 | 300 | 0.3 | 0.3 | 3.3 | 4.3 | 85.3 | 86.3 | 11.0 | 9.0 | | |
| Sonitpur | 300 | 300 | 1.0 | 3.0 | 10.3 | 6.3 | 77.3 | 82.3 | 11.3 | 8.3 | | |
| Tinsukia | 300 | 303 | 0.7 | 2.0 | 5.7 | 6.9 | 79.0 | 82.8 | 14.7 | 8.3 | | |
| Udalguri | 300 | 300 | 1.7 | 1.7 | 14.0 | 13.7 | 68.3 | 76.7 | 16.0 | 8.0 | | |
| Assam | 7205 | 7482 | 1.6 | 2.1 | 9.5 | 11.6 | 78.0 | 78.3 | 11.0 | 8.0 | | |

Table 2.4 District wise distributions of children aged 12 to 23 month by place of Immunization

| | | | | | Place | of Immun | ization | | | | | | No. of |
|------------|------|------|-------------------|------|-------|----------|---------|----------------|-----|-------------------|-----|-----|-----------|
| District : | | SC | VHND , Reach S | | PH | IC | | Govt. pital | | octor / ospita | Oth | er | Children |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | Immunized |
| Baksa | 163 | 54.9 | 87 | 29.3 | 37 | 12.5 | 10 | 3.4 | | | | | 297 |
| Barpeta | 189 | 66.1 | 64 | 22.4 | 16 | 5.6 | 9 | 3.1 | 8 | 2.8 | | | 286 |
| Bongaigaon | 174 | 60.0 | 52 | 17.9 | 29 | 10.0 | 25 | 8.6 | 9 | 3.1 | 1 | 0.3 | 290 |
| Cachar | 104 | 35.4 | 83 | 28.2 | 46 | 15.6 | 37 | 12.6 | 19 | 6.5 | 5 | 1.7 | 294 |
| Chirang | 116 | 38.8 | 129 | 43.1 | 39 | 13.0 | 11 | 3.7 | 3 | 1.0 | 1 | 0.3 | 299 |
| Darang | 121 | 42.5 | 146 | 51.2 | 10 | 3.5 | 1 | 0.4 | 6 | 2.1 | 1 | 0.4 | 285 |
| Dhemaji | 137 | 45.7 | 109 | 36.3 | 43 | 14.3 | 2 | 0.7 | 3 | 1.0 | 6 | 2.0 | 300 |
| Dhubri | 179 | 62.8 | 71 | 24.9 | 20 | 7.0 | 2 | 0.7 | 6 | 2.1 | 7 | 2.5 | 285 |
| Dibrugarh | 188 | 63.3 | 26 | 8.8 | 74 | 24.9 | 4 | 1.3 | 2 | 0.7 | 3 | 1.0 | 297 |
| Goalpara | 195 | 66.8 | 27 | 9.2 | 26 | 8.9 | 30 | 10.3 | 7 | 2.4 | 7 | 2.4 | 292 |
| Golaghat | 68 | 22.7 | 153 | 51.0 | 50 | 16.7 | 10 | 3.3 | 16 | 5.3 | 3 | 1.0 | 300 |
| Hailakandi | 78 | 27.2 | 158 | 55.1 | 41 | 14.3 | 3 | 1.0 | 7 | 2.4 | | | 287 |
| Jorhat | 95 | 31.7 | 115 | 38.3 | 42 | 14.0 | 12 | 4.0 | 36 | 12.0 | | | 300 |
| Kamrup (R) | 153 | 51.5 | 52 | 17.5 | 70 | 23.6 | 2 | 0.7 | 12 | 4.0 | 8 | 2.7 | 297 |
| Kamrup (M) | 48 | 16.1 | 65 | 21.8 | 45 | 15.1 | 49 | 16.4 | 82 | 27.5 | 9 | 3.0 | 298 |
| Karimganj | 163 | 57.8 | 45 | 16.0 | 16 | 5.7 | 47 | 16.7 | 4 | 1.4 | 7 | 2.5 | 282 |
| Kokrajhar | 157 | 57.9 | 33 | 12.2 | 28 | 10.3 | 50 | 18.5 | 3 | 1.1 | | | 271 |
| Lakhimpur | 158 | 52.7 | 107 | 35.7 | 32 | 10.7 | | | 3 | 1.0 | | | 300 |
| Morigaon | 158 | 53.6 | 80 | 27.1 | 33 | 11.2 | 16 | 5.4 | 4 | 1.4 | 4 | 1.4 | 295 |
| Nagaon | 164 | 56.6 | 74 | 25.5 | 40 | 13.8 | 6 | 2.1 | 1 | 0.3 | 5 | 1.7 | 290 |
| Nalbari | 104 | 35.0 | 117 | 39.4 | 74 | 24.9 | | | 2 | 0.7 | 0 | 0.0 | 297 |
| Sivsagar | 183 | 61.2 | 21 | 7.0 | 74 | 24.7 | 1 | 0.3 | 11 | 3.7 | 9 | 3.0 | 299 |
| Sonitpur | 182 | 62.5 | 39 | 13.4 | 23 | 7.9 | 34 | 11.7 | 4 | 1.4 | 9 | 3.1 | 291 |
| Tinsukia | 182 | 61.3 | 40 | 13.5 | 36 | 12.1 | 34 | 11.4 | 5 | 1.7 | | | 297 |
| Udalguri | 215 | 72.9 | 19 | 6.4 | 35 | 11.9 | 4 | 1.4 | 2 | 0.7 | 20 | 6.8 | 295 |
| ASSAM | 3674 | 50.2 | 1912 | 26.1 | 979 | 13.4 | 399 | 5.4 | 255 | 3.5 | 105 | 1.4 | 7324 |

Table 2.5: District wise distribution of children by reasons for non immunization

| | | | | | Reas | ons for N | lon Imn | nunizatio | n of chil | d | | | | | |
|------------|-------|---------------------------------|--------------------------|-------|---|-----------|---------|-----------------|-----------|----------------------------|-------|----------------------------|--------|------|------------------------|
| District : | the n | re about eed for nization | No faith in immunization | | Place and time of immunization not known | | | of side ects | brou | ill- not ght to ntre | immuı | ce of nization o far | Others | | Child Not Immunized |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | |
| Baksa | 5 | 35.7 | 6 | 42.9 | 5 | 35.7 | 1 | 7.1 | 4 | 28.6 | | | 4 | 28.6 | 14 |
| Barpeta | 3 | 100.0 | 2 | 66.7 | | | | | | | 1 | 33.3 | | | 3 |
| Bongaigaon | 3 | 30.0 | 1 | 10.0 | 4 | 40.0 | 1 | 10.0 | 1 | 10.0 | | | 2 | 20.0 | 10 |
| Cachar | | | 1 | 16.7 | 2 | 33.3 | 1 | 16.7 | 1 | 16.7 | | | 1 | 16.7 | 6 |
| Chirang | | | 3 | 100.0 | | | 1 | 33.3 | 1 | 33.3 | 2 | 66.7 | 1 | 33.3 | 3 |
| Darang | 7 | 43.8 | 2 | 12.5 | 8 | 50.0 | 2 | 12.5 | 1 | 6.3 | 9 | 56.3 | 9 | 56.3 | 16 |
| Dhemaji | 3 | 100.0 | 2 | 66.7 | | | | | | | 1 | 33.3 | | | 3 |
| Dhubri | 2 | 13.3 | 4 | 26.7 | | | 2 | 13.3 | 1 | 6.7 | 1 | 6.7 | 6 | 40.0 | 15 |
| Dibrugarh | | | 2 | 100.0 | | | | | | | | | | | 2 |
| Goalpara | 5 | 62.5 | 3 | 37.5 | | | 4 | 50.0 | 1 | 12.5 | | | | | 8 |
| Golaghat | | | | | | | | | | | | | | | |
| Hailakandi | 2 | 15.4 | 5 | 38.5 | 3 | 23.1 | 6 | 46.2 | | | | | | | 13 |
| Jorhat | | | | | | | | | | | | | | | |
| Kamrup (R) | 1 | 50.0 | | | | | 2 | 100.0 | | | | | | | 2 |
| Kamrup (M) | | | | | 2 | 100.0 | | | | | | | | | 2 |
| Karimganj | 3 | 15.8 | 12 | 63.2 | 3 | 15.8 | 6 | 31.6 | 3 | 15.8 | | | 1 | 5.3 | 19 |
| Kokrajhar | | | | | | | | | | | | | | | 3 |
| Lakhimpur | | | | | | | | | | | | | | | |
| Morigaon | | | 1 | 25.0 | | | | | 1 | 25.0 | 1 | 25.0 | | | 4 |
| Nagaon | 3 | 33.3 | 3 | 33.3 | 1 | 11.1 | 5 | 55.6 | | | | | 2 | 22.2 | 9 |
| Nalbari | 2 | 40.0 | 4 | 80.0 | | | 1 | 20.0 | 1 | 20.0 | 1 | 20.0 | 1 | 20.0 | 5 |
| Sivsagar | 1 | 100.0 | 1 | 100.0 | | | | | | | 1 | 100.0 | | | 1 |
| Sonitpur | 2 | 22.2 | 4 | 44.4 | | | 2 | 22.2 | | | 4 | 44.4 | | | 9 |
| Tinsukia | 1 | 16.7 | 4 | 66.7 | 1 | 16.7 | 2 | 33.3 | | | | | | | 6 |
| Udalguri | 3 | 60.0 | 2 | 40.0 | | | | | | | 1 | 20.0 | | | 5 |
| Assam | 46 | 29.1 | 62 | 39.2 | 29 | 18.4 | 36 | 22.8 | 15 | 9.5 | 22 | 13.9 | 27 | 17.1 | 158 |

Table 2.6: District wise distribution of children by reasons for partial immunization

| | Reasons for Partial Immunization of child | | | | | | | | | | | | | | |
|--------------|---|--|---------------|-----------------------------------|-----|-----------------|----------------------------------|------|---------------------|------|---------------------------|------|-------|------|------------------------|
| ` District : | the ne | ware about eed to return subsequent doses | and/t immu | ace ime of nization nown | | of side ects | Place of immunization is too far | | Mothers too busy | | Child ill- not brought | | Other | | Partially Immunized |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | |
| Baksa | 18 | 36.7 | 24 | 49.0 | 3 | 6.1 | 3 | 6.1 | 3 | 6.1 | 5 | 10.2 | 7 | 14.3 | 49 |
| Barpeta | 7 | 19.4 | 16 | 44.4 | 3 | 8.3 | 2 | 5.6 | 8 | 22.2 | 3 | 8.3 | 6 | 16.7 | 36 |
| Bongaigaon | 6 | 20.0 | 3 | 10.0 | 2 | 6.7 | 3 | 10.0 | 5 | 16.7 | 3 | 10.0 | 5 | 16.7 | 30 |
| Cachar | 4 | 10.8 | 1 | 2.7 | 3 | 8.1 | 4 | 10.8 | 6 | 16.2 | 8 | 21.6 | 7 | 18.9 | 37 |
| Chirang | 11 | 19.0 | 6 | 10.3 | 2 | 3.4 | 4 | 6.9 | 6 | 10.3 | 6 | 10.3 | 9 | 15.5 | 58 |
| Darang | 14 | 70.0 | 9 | 45.0 | 3 | 15.0 | 11 | 55.0 | 9 | 45.0 | 2 | 10.0 | 11 | 55.0 | 20 |
| Dhemaji | 2 | 8.0 | | | | | 2 | 8.0 | 7 | 28.0 | 3 | 12.0 | 6 | 24.0 | 25 |
| Dhubri | 10 | 20.8 | 3 | 6.3 | 6 | 12.5 | 7 | 14.6 | 6 | 12.5 | 4 | 8.3 | 11 | 22.9 | 48 |
| Dibrugarh | 3 | 18.8 | 3 | 18.8 | | | 3 | 18.8 | 8 | 50.0 | 3 | 18.8 | 5 | 31.3 | 16 |
| Goalpara | 9 | 17.3 | 3 | 5.8 | 5 | 9.6 | 5 | 9.6 | 9 | 17.3 | 7 | 13.5 | 14 | 26.9 | 52 |
| Golaghat | 7 | 35.0 | 3 | 15.0 | 3 | 15.0 | 6 | 30.0 | 9 | 45.0 | 3 | 15.0 | 5 | 25.0 | 20 |
| Hailakandi | 9 | 15.5 | 3 | 5.2 | 4 | 6.9 | 1 | 1.7 | 11 | 19.0 | 15 | 25.9 | 21 | 36.2 | 58 |
| Jorhat | 3 | 33.3 | 3 | 33.3 | 1 | 11.1 | | | 2 | 22.2 | | | 1 | 11.1 | 9 |
| Kamrup (R) | 9 | 20.5 | 1 | 2.3 | 2 | 4.5 | 1 | 2.3 | 3 | 6.8 | 4 | 9.1 | 5 | 11.4 | 44 |
| Kamrup (M) | 5 | 27.8 | | | 5 | 27.8 | 2 | 11.1 | 4 | 22.2 | 8 | 44.4 | 11 | 61.1 | 18 |
| Karimganj | 16 | 25.0 | 6 | 9.4 | 9 | 14.1 | 1 | 1.6 | 3 | 4.7 | 34 | 53.1 | 13 | 20.3 | 64 |
| Kokrajhar | | | | | | | | | | | | | | | 35 |
| Lakhimpur | 5 | 14.3 | 4 | 11.4 | 3 | 8.6 | 2 | 5.7 | 2 | 5.7 | 3 | 8.6 | 3 | 8.6 | 35 |
| Morigaon | 6 | 13.0 | 4 | 8.7 | 4 | 8.7 | 6 | 13.0 | 1 | 2.2 | 2 | 4.3 | 3 | 6.5 | 46 |
| Nagaon | 8 | 20.0 | 8 | 20.0 | 6 | 15.0 | 2 | 5.0 | 4 | 10.0 | 7 | 17.5 | 7 | 17.5 | 40 |
| Nalbari | 3 | 8.8 | | | 4 | 11.8 | 2 | 5.9 | 1 | 2.9 | 3 | 8.8 | 8 | 23.5 | 34 |
| Sivsagar | 3 | 23.1 | 3 | 23.1 | | | 3 | 23.1 | 1 | 7.7 | 3 | 23.1 | 4 | 30.8 | 13 |
| Sonitpur | 9 | 47.4 | 7 | 36.8 | 3 | 15.8 | 4 | 21.1 | 3 | 15.8 | 6 | 31.6 | 8 | 42.1 | 19 |
| Tinsukia | 8 | 38.1 | 3 | 14.3 | 1 | 4.8 | 2 | 9.5 | 2 | 9.5 | 4 | 19.0 | 5 | 23.8 | 21 |
| Udalguri | 16 | 39.0 | 7 | 17.1 | 3 | 7.3 | 2 | 4.9 | 1 | 2.4 | 11 | 26.8 | 14 | 34.1 | 41 |
| Assam | 191 | 22.0 | 120 | 13.8 | 75 | 8.6 | 78 | 9.0 | 114 | 13.1 | 147 | 16.9 | 189 | 21.8 | 868 |

Table 2.7: District wise distribution of Dropout Rate

| | | | Dropou | ıt Rate | |
|------------|----------|---------|---------|----------|----------|
| District | No. of | BCG to | DPT1 to | OPV 1 to | DPT 1 to |
| | Children | Measles | Measles | OPV 3 | DPT 3 |
| Baksa | 300 | 12.2 | 11.3 | 6.3 | 7.2 |
| Barpeta | 300 | 8.2 | 8.9 | 4.6 | 5.7 |
| Bongaigaon | 300 | 9.0 | 8.7 | 3.5 | 3.5 |
| Cachar | 300 | 8.9 | 8.6 | 3.5 | 3.4 |
| Chirang | 302 | 10.4 | 11.0 | 0.4 | 4.0 |
| Darang | 301 | 5.6 | 5.3 | 3.6 | 3.5 |
| Dhemaji | 303 | 3.2 | 2.8 | 0.4 | 0.4 |
| Dhubri | 300 | 11.6 | 9.3 | 1.6 | 4.5 |
| Dibrugarh | 299 | 1.7 | 3.0 | 2.4 | 0.3 |
| Goalpara | 300 | 16.2 | 13.2 | 6.8 | 7.8 |
| Golaghat | 300 | 5.4 | 5.4 | 1.7 | 2.0 |
| Hailakandi | 300 | 13.0 | 14.6 | 6.6 | 6.4 |
| Jorhat | 300 | 2.7 | 1.7 | 1.7 | 1.7 |
| Kamrup (R) | 299 | 6.1 | 4.5 | 1.0 | 1.0 |
| Kamrup (M) | 300 | 13.5 | 12.6 | 6.1 | 6.5 |
| Karimganj | 301 | 16.5 | 14.3 | 10.2 | 10.5 |
| Kokrajhar | 274 | 11.2 | 11.5 | 7.8 | 7.4 |
| Lakhimpur | 300 | 11.7 | 11.4 | 3.0 | 3.0 |
| Morigaon | 299 | 8.9 | 12.4 | 4.9 | 5.2 |
| Nagaon | 299 | 4.9 | 6.3 | 4.7 | 4.5 |
| Nalbari | 302 | 6.8 | 6.8 | 1.1 | 1.7 |
| Sivsagar | 300 | 2.3 | 2.3 | 0.3 | 1.0 |
| Sonitpur | 300 | 5.8 | 5.8 | 3.1 | 2.4 |
| Tinsukia | 303 | 2.4 | 3.4 | 0.0 | 1.0 |
| Udalguri | 300 | 7.1 | 7.5 | 2.1 | 2.7 |
| ASSAM | 7482 | 8.2 | 8.0 | 3.5 | 3.8 |

Table 2.8: District wise distribution of Immunization Status by Sex, Religion and Caste

| | | | | | | Immunizatio | on Coverage | | | |
|-------------------|-----------|--------------------|---------|---------|--------------|-------------|-------------|---------|-----|--------------------|
| Туре | Category | No. of Children | Not Imr | nunized | Partially In | mmunized | Fully Im | munized | | munized 2 month |
| | | | No. | PC | No. | PC | No. | PC | No. | PC |
| Sex of the baby | Male | 3850 | 83 | 2.2 | 454 | 11.8 | 3004 | 78.0 | 309 | 8.0 |
| | Female | 3632 | 75 | 2.1 | 414 | 11.4 | 2851 | 78.5 | 292 | 8.0 |
| | Hindu | 4989 | 70 | 1.4 | 496 | 9.9 | 4038 | 80.9 | 385 | 7.7 |
| Religion | Muslim | 2308 | 85 | 3.7 | 350 | 15.2 | 1668 | 72.3 | 205 | 8.9 |
| of the baby | Christian | 160 | 3 | 1.9 | 21 | 13.1 | 128 | 80.0 | 8 | 5.0 |
| , | Others | 25 | | 0.0 | 1 | 4.0 | 21 | 84.0 | 3 | 12.0 |
| | General | 3425 | 89 | 2.6 | 426 | 12.4 | 2614 | 76.3 | 296 | 8.6 |
| | ОВС | 1555 | 24 | 1.5 | 175 | 11.3 | 1263 | 81.2 | 93 | 6.0 |
| Caste of the baby | SC | 973 | 16 | 1.6 | 94 | 9.7 | 780 | 80.2 | 83 | 8.5 |
| e baby | ST | 1353 | 27 | 2.0 | 150 | 11.1 | 1071 | 79.2 | 105 | 7.8 |
| | Others | 176 | 2 | 1.1 | 23 | 13.1 | 127 | 72.2 | 24 | 13.6 |
| То | Total | | 158 | 2.1 | 868 | 11.6 | 5855 | 78.3 | 601 | 8.0 |

INTRODUCTION:

Reducing maternal and child mortality are among the most important goals of the National Rural Health Mission. Huge and strategic investments are being made by Government of India to achieve these goals. At various global platforms, India has reaffirmed its commitment to make every effort towards achieving the Millennium Development Goals 4 and 5.

Under NRHM, there are a number of focused interventions for improving the availability and accessibility of maternal health care services to rural women to ensure safe motherhood. The maternal care services include antenatal care, delivery care and post natal care.

On the demand side is the JSY, where cash benefit is given to the mothers for institutional delivery.

Janani Shishu Suraksha Karyakram (JSSK) is another initiative under the overall umbrella of NRHM that aims to reduce out-of-pocket expenses related to maternal and newborn care. The scheme implemented across the country entitles all pregnant women delivering in public health institutions to absolutely free and no expense delivery, including caesarean section. Similar entitlements are in place for all sick newborn (first 30 days of life) accessing public health institutions for treatment.

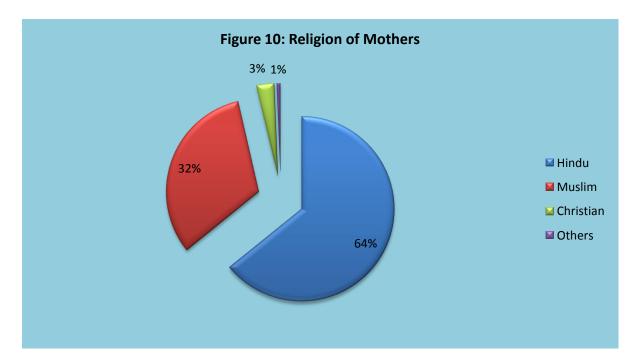
In the present survey all women who delivered during 12 months preceding the survey in the sampled household were asked about the details of antenatal, natal and post natal care. In addition they were also asked about JSY and JSSK benefits.

BACKGROUND PROFILE OF THE RESPONDENTS:

This chapter elucidates the background profile of the respondents. A total of 7483 mothers who delivered during the last one year preceding the survey period were taken up for the study.

3.1.1 RELIGION & CASTE

Assam being predominantly Hindu dominating state, the survey respondents were also found to be 64.1% Hindu (Table 3.1.1).



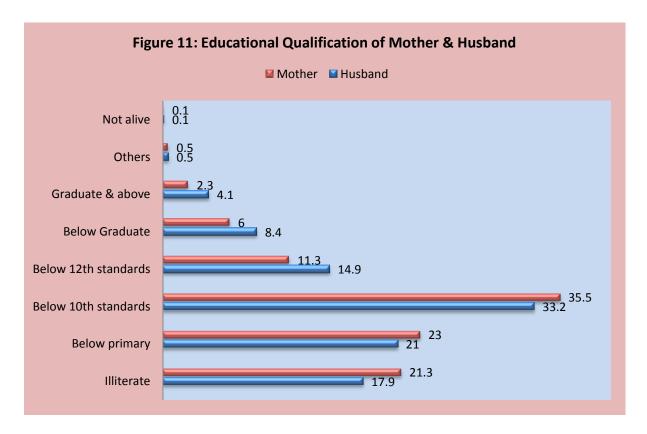
Slight variations were found amongst the districts. More than 60% of respondent were found to be Hindu in 13 districts, whereas in 4 districts more than 60% of the respondent were Muslims.

Table 3.1.2 shows that overall more than 40% of the mothers surveyed were of general category. It was followed by OBC which comprised of 20%, ST comprised of 16.5% and ST only 13.5%. When anlaysed district-wise, it was found that fifty percent of the districts had more than 40% of general category mothers.

3.1.2 EDUCATION

Education plays a major role in promoting the health care delivery services. The study captured the education level of the both the husband of the respondents (Table 3.1.3) as well as the respondent themselves (Table 3.1.4).

The overall educational qualification of the state is depicted below:



A total of around 82.4% of the respondent's husband had some level of educational qualification, the highest proportion being below the 10th level (30.0%), followed by below primary level (20%), and 14.9% comprised of below 12th class. There were only 8.4% of them who were below graduate. Major chunks of the respondent's husband (17.6%) were still illiterate. There was slight variation in the case of educational qualification of the mothers. 78.5% of the respondents had some level of educational qualification, majority of them being below 10th pass (31.2%), below primary (22%) and below 12th (11.3%). Only 6% of them below graduate and 2.3% of them were graduate and above. In this case 21.5% were illiterate.

3.1.3 OCCUPATION

The mothers were asked about their occupation as well as the occupation of their husbands. In majority of the cases (24.4%), the occupation of the husband was found to be daily wage labourer, 22.3% of them had cultivation as their occupation, followed by agriculture (12.7%), 7.1% of them were engaged in private sector and 6.2% were in government sector (Table 3.1.5).

On the other hand (Table 3.1.6) it is seen that majority of the mothers (86.9%) were housewives. Of the remaining 14.1 % of mothers who were engaged in some occupation, it is seen that 5.9% of them were daily wage labourers and 2.8% were cultivators.

3.1.4 FAMILY SIZE

Table 3.1.7 reflects the family size of the mothers. It is observed that 44.6% of the mothers had less than five members in the family, followed by 21.6% who had less than 8 members and 17.3% of them had less than 6 members. More than 10 members in the family were found in 7.1% of the mothers. District-wise variation is seen in the family size. More than 50% of the mothers were found to have less than 5 members in the family in the districts like Kamrup Metro (62%), Jorhat (60.7%), Kokrajhar (58.4%), Golaghat (57.7%), Nalbari (51.3%), Darrang (48.3%) and Barpeta (47.5%)

3.1.5 AGE OF THE MOTHERS & AGE AT MARRIAGE

Majority of the mothers (42.7%) taken up for the study were in the age group of 25-29 (table 3.1.8). 37.8% were in the age group of 20-24, followed by 10.1% in the age group of 30-34. It is also observed that 5.5% of the mothers were in the age group of 15-19 years, major contributors were Bongaigaon district, Hailakandi district and Dibrugarh district, which is a matter of concern.

Age at marriage is seen to be an important indicator contributing towards maternal morbidity and mortality. Table 3.1.9 shows mother's age at marriage. Overall 52.5% of the mothers had married at the age of 15-19, 36.5% of them married at the age of 20-24 and 9.5% of them were in the age group of 30-34 during their marriage.

ANTENATAL CARE

Effective antenatal care (ANC) can improve the health of the mother and give her a chance to deliver a healthy baby. Regular monitoring during pregnancy can help to detect complications at an early age before they become life threatening emergencies. However, one must realize that even with the most effective screening tools currently available, one cannot predict which women will develop pregnancy related complications. Hence, every pregnant woman needs special care.

To monitor the progress of foetal growth and to ascertain the well-being of the mother, the antenatal care package is available through the public health system, delivered both at community outreach and health facility level. Timely identification of complications enables service providers to make timely referrals to health facilities equipped to provide emergency obstetric and newborn care.

Antenatal care services include provision of at least four antenatal care visits, iron folic acids tablets, two injections of tetanus toxoid, detection and treatment of anemia and management of high risk pregnancies.

3.2.1 ANC REGISTRATION & NUMBER OF ANC

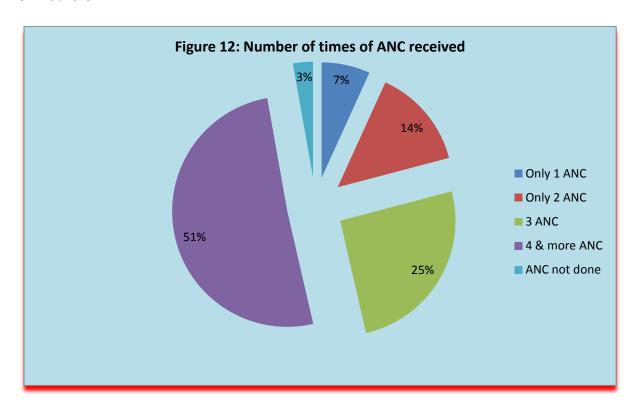
Every woman should at least make 4 visits for ANC, including the first visit/registration at the facility or any home visit by ANM / LHV. These are sufficient, and for pregnancies without complications, studies have shown that additional visits do not improve the maternal or perinatal outcome.

The first visit is recommended as soon as the pregnancy is suspected. The second visit should be scheduled between 4th and 6th month (around 26 weeks). The third one should be planned in the 8th month (around 32 weeks), and the fourth one in the 9th month (36 to 40 weeks).

It is to be mentioned that, in the present study, the number of ANC visit at any time related to pregnancy is consider as one visit irrespective of the period of gestation.

Table 3.2.1 (A) shows the status of ANC registration. When analyzed it is seen that overall 97.2% of the mothers had registered for ANC. It is to be noted that 2.8% of the mothers have not received any ANC, which is a matter of concern. There are variations amongst the districts. From Sivasagar district 100% of the mothers reported for ANC registration, 99% and above ANC registration was reported from Kamrup Metro, Golaghat and Jorhat districts.

Although, overall ANC registration was 97.2%, but the number of times of receiving ANC by a single mother is not very encouraging. Receiving of 4 ANC is reported by only 51% of mothers.

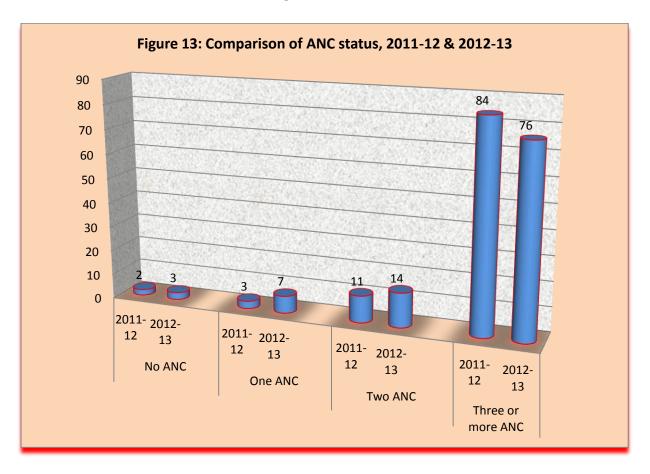


There are lots of variations amongst the districts. The mothers who had received 4 or more ANC is more than 70% in Jorhat (76.7%) and Kamrup Metro (72%). It is in the range of 60%-70% in Goalpara (68.3%), Sonitpur (67.9%), Nalbari (67.7%), Dhubri (66.1%), and Golaghat (63.7%). The lowest (23.7%) is recorded in Hailakandi and Morigaon. The 3 ANC registration is lower than 50% in all districts, highest recorded is of Morigaon district, which is 45%.

3.2.2 ANC STATUS IN 2011-12 & 2012-13

The study has attempted to show a comparisons of ANC received during 2011-12 and 2012-13. It is to be mentioned that during the survey conducted in 2011-12, record of 4 and more ANC was not taken; therefore, the comparison here is made for 1 ANC, 2ANC and 3 and more ANC (Table 3.2.1(B)).

It is seen that there has not been major changes recorded during these one year. There has been a 1% and around 4% increase in 1 ANC and 2 ANC respectively during 2012-13 as compared to 2011-12. At the same period a decline of 4.2% was recorded in case of 3 and more ANC, which is of more importance.



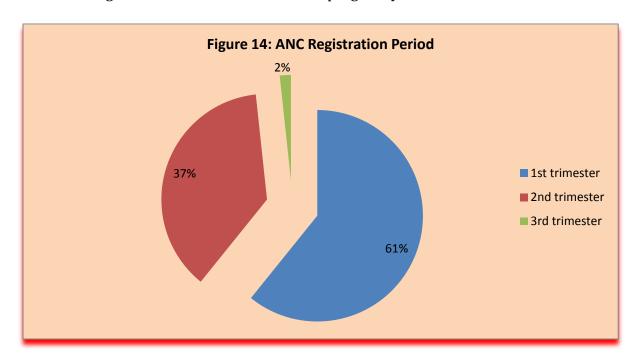
District-wise analysis shows that except for Nagaon (8%), Goalpara (2%), Kamrup Metro (2%) and Bongaigaon (0.7%), there is no increase in 3 and more ANC during 2012-13. On the contrary, the analysis shows a major decrease in districts like Hailakandi (21.7%), Tinsukia (21.5%), Dhemaji (18.6%), Lakhimpur (16%), Dibrugarh (14%), Karimganj (12%), Cachar (11.9%), Kamrup Rural (7.9%) and Sivasagar

(10.2%). In case of other districts, there is below 5% decrease. The districts which had a major decrease in 3 and more ANC had shown an increase in the 2 ANC (Hailakandi -20% increase, Tinsukia - 15.5% increase, Dhemaji - 12% increase and Dibrugarh - 10.3% increase). In case of 1 ANC, seven districts have shown an increase of more than 5 % namely; Udalguri-11.7%, Chirang -8.3%, Sonitpur and Lakhimpur - 6.7% each, Bongaigaon - 5.6%, Nalbari - 5.4 % and Karimganj - 5.3%). Districts like Baksa, Hailakandi, Lakhimpur, Cachar, Dhemaji, Tinsukia, Dhubri and Dibrugarh showed that there was an increase of 2% and more of mothers not registered for ANC.

3.2.3 PERIOD OF ANC REGISTRATION:

Women are encouraged to register with health functionaries as soon as their pregnancy is confirmed in order to receive antenatal care services and advice. Early registration is required to assess the health status of the mother and obtain baseline information on blood pressure (BP), weight, haemoglobin, etc and screen for complications early and manage them appropriately by referral as and when required. Early registration also helps to recall the date of last menstrual period (LMP) to calculate EDD.

Therefore the study also attempted to find out the period of 1st ANC registration (Table : 3.2.2). It is found that at the state level around 61% had registered for ANC during 1st trimester. The state needs to frame suitable strategies so as to bring all the mothers to register themselves as soon as the pregnancy is confirmed.



Again district-wise there are lots of variations. More than 80% registration during 1st trimester is reported by mothers from two districts; Golaghat (80.5%) and Dibrugarh (80.3%). Goalpara, Nalbari, Kokrajhar and Jorhat were in the range from 70% to 80%. On the other hand Morigaon, Darrang, Sivasagar, Lakhimpur and Dhubri recorded less than 50% registration during 1st trimester, the lowest being Dhubri (35.7%). At the same time, registration during 2nd trimester was recorded more than 50% in Dhubri (62.2%), Lakhimpur (55.2%), Sivasagar (52.5%) and Darrang (51.4%). It is to be mentioned that these four districts had the lowest proportion of mothers who registered during 1st trimester. In case of registration during 3rd trimester, the highest proportion was found in Bongaigaon district (4.4%), followed by Morigaon (3.8%), and Lakhimpur and Tinsukia, each recorded 3.1%. All other districts recorded below 3% registration during 3rd trimester.

3.2.4 SOURCE OF INFORMATION FOR ANC:

Table 3.2.3 reveals that ASHAs have played a major role in spreading the messages of ANC services. Overall in the state it is recorded that 88% of the mothers who had received ANC registration got the information from the ASHA. The contribution of public health personnel like ANM and Doctor from public health facilities is almost negligible. When analysed district wise, it is observed that in many of the districts the ASHA are very active in spreading the message. It is heartening to note the role of ASHA in districts like Chirang is very encouraging, with a record of 100% mothers reported to receive the messages from ASHA. Districts like Goalpara, Dhubri, Kokrajhar, Darrang, Sivasagar, Dhemaji, Kamrup Rural, Lakhimpur, Bongaigaon, Baksa, Udalguri and Morigaon recorded that more than 90% of the mothers received the information for ANC from the ASHAs.

3.2.5 PLACE OF ANC REGISTRATION:

The ANC registration can be done at all the government health facilities (SC/PHC/SDH/CHC/DH/Medical Colleges) and also at the community level during VHNDs. Many of them also registered themselves at the private health facilities. Generally it is seen that at the rural areas, the mothers can differentiate between the

private and government health facilities. But amongst the various levels of government hospitals (SC/PHC/CHC/SD/DH), some of the mothers find it difficult to actually differentiate the level of health facility. Therefore, there might be some biasness on the reported figures for the place of ANC registration at the various government health facilities.

From the table 3.2.4, it can be inferred that more than 50% of the mothers had their ANC registration at the SC (52.3%), another 20.6% of the mothers reported that they had registered at the PHC/CHC level and 10% at VHND. Registration at SDH/DH was recorded to be 5%. Registration at other facilities like private health facilities, other government hospitals etc. recorded below 5%.

Lots of variations were observed amongst the districts. It may be noted that 80% and more registration at SCs were recorded at Goalpara (87.4%), Dhubri (83.6%), Chirang (83.1%) and Kamrup Rural (80%). The lowest registration at SC was from Kamrup Metro with only 19.9%. This may be due to the fact that Kamrup Metro has got lots of private health facilities and also a Medical College. It can also be inferred from the table that highest proportion of mothers registered at private facilities and other government facilities is in case of Kamrup Metro. The table further reveals that to some extend the VHNDs also has contributed in ANC registration. Jorhat with 30.9% recorded highest proportion of registration at VHND, followed by Baksa (26.1%), Hailakandi (21.7%), Dhemaji (21.5%) and Golaghat (20.5%). All others have reported below 20% registration at VHND, the lowest being Chirang with 1.4%.

3.2.6 PLACE OF ANC RECEIVED DURING LAST PREGNANCY:

As already mentioned, antenatal care can be done at different level of government health facilities, VHNDs and even at private clinics. It is also quite natural that many pregnant mothers from rural areas go to the SC for 1st or 2nd check up but later on they prefer to visit the facilities where doctors are available. The study has tried to capture the common place for all ANC visits. Therefore the place of ANC received may be more than one place.

Table 3.2.5 shows the distribution of mothers by place of ANC received. It shows that 59.5% mothers received ANC in SC followed by CHC/PHC (41.4%) and VHND (22.3%). Private health institutions accounted 8.4% of the ANCs provided. From the analysis, it is apparent that the VHND plays an important role in regarding ANC of the pregnant mothers, which has significantly improved the coverage of ANC.

It has been noted that the present study showed certain changes in relation to ANC received over the last coverage survey. The percentage of mothers, who received ANC in Private health institutions, has gone up from 6.0% in 2011-12 to 8.4% in 2012-13.

3.2.7 QUALITY CHECK OF ANC PROVIDED

The effectiveness of antenatal checkups in ensuring safe motherhood depends on the services provided and examination undertaken during the antenatal checkups. The important services to be provided during antenatal checkups are: TT injection, 100 IFA tablets, BP check up, weight, abdomen examination, urine sample and blood sample for anemia detection. Taking this into consideration, the study has taken up an effort to analyse the services provided to the mothers who have received ANC.

Table 3.2.6 (A) shows that more than 90% of the mothers reported that TT injection was given, BP check up was done and weight was taken during the ANC visits. Further, more than 80% of the mothers reported that they were provided with 100 IFA tablets, abdomen examination was done and blood was tested for anemia. On the other hand only 68.7% of the mothers reported that the urine sample was examined.

Amongst the districts there are large variations in receiving different components of antenatal care. TT injection is reported by more than 90% in all the districts except for Nagaon, Baksa and Barpeta which reported 89.7%, 89.5% and 88.4% respectively. Similarly, in case of BP check up also the services provided seems to be good as it is more than 90% in all the districts except four districts (Lakhimpur-89.7%, Hailakandi-88.5%, Dibrugarh-88.1% and Sivasagar-82.5%). But in case of receiving 100 IFA tablets there are wide range of variations amongst the districts. Only two districts (Chirang-92.6% and Golaghat (92.3%) have reported more than 90%. On the other hand, 80-90% of the mothers of eleven districts (Sonitpur, Baksa, Barpeta, Sivasagar,

Tinsukia, Darrang, Udalguri, Hailakandi, Bongaigaon, Kamrup Rural and Kokrajhar) reported of receiving 100 IFA tablets. In the remaining districts it was reported in the range of 69.5 to 79.9%. Abdomen examination was reported more than 90% in ten districts (Baksa-99.3%, Sonitpur-99.3%, Darrang-97.6%, Golaghat-96.6%, Nagaon - 96.2%, Kamrup Metro-94.9%, Kamrup Rural-93.6%, Goalpara- 93.2%, Dhubri-92.3% and Jorhat-90.3%). In the remaining districts it ranged from 60-80% except for Karimganj district in which it was reported only 48.3%.

Lots of variations were also seen in urine examination and blood test for anemia. In both the service provisions, the highest proportion of mothers receiving this service was reported from Jorhat district (98.7% in case of urine test and 98% in case of anemia detection). In case of anemia detection mothers of 21 districts reported to receive the service in the range of 70% - 90%, whereas in case of urine detection it was reported in 11 districts.

3.2.8 HEALTH EDUCATION TO THE MOTHERS

Universal access to full antenatal packages also should include counselling to the mothers. Table 3.2.6 (B), captures the data on health education received by the mothers during the antenatal check up, focusing mainly on dangers signs of pregnancy, expected date of delivery, availability of nearby health facility for delivery and advice on nutrition. It shows that the counselling to the mothers by the service providers needs to be improved as overall only below 70% of the mothers were counselled on ANC. 67.7% of the mothers were told about EDD, 65.2% of them were told about the danger sign of pregnancy, only 50% of them were told about the nearby health facility and advice on nutrition was as low as 48.6%. From the table it is inferred that in case of education received by the mothers on danger signs and pregnancy and expected date of delivery, the data is almost similar districtwise. It is found to be more than 70 % each in Morigaon, Jorhat, Kamrup Rural, Golaghat, Kamrup Metro, Sonitpur, Sivasagar, Dibrugarh and Dhemaji. The lowest in both the cases is Karimganj, which is below 50%. Further, the data on details provided to the mothers on nearby health facility and nutrition is poor. In both the cases the maximum is recorded below 70%.

3.2.9 REASONS FOR NO ANC

The study also has captured the data on reasons for no ANC (Table 3.2.7). It is seen that of the 208 mothers who had not gone for ANC, the highest numbers of mothers (56 Nos.) reported that they do not feel the necessary of ANC, followed by lack of knowledge about the services (42 Nos.), facility is far (39 Nos.), financial problem (34 Nos.), around 20 Nos. reported that they did not go for ANC due to family tradition and no one to accompany for ANC.

3.2.10 ROLE OF ASHA DURING ANC

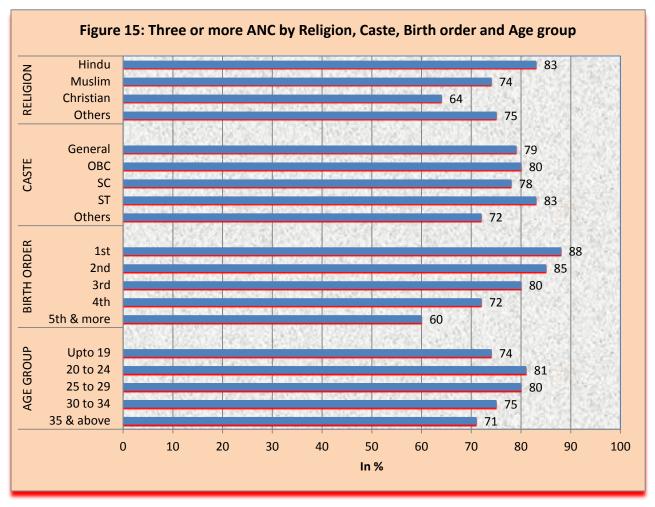
One of the main role of ASHA is to provide awareness to the mothers on ANC, which is found to be quiet satisfactory as has already been detailed out at table 3.2.3.

Further, the study also indicates that ASHAs have taken a leading role in accompanying the mothers to the health facilities for ANC. Table 3.2.11 shows that overall 81.1% of the mothers were accompanied by ASHAs for ANC. In Tinsukia, Barpeta, Dhemaji, Lakhimpur, more than 90% of the mothers reported that they were accompanied by ASHAs. The lowest performance of ASHA on accompanying pregnant mothers was reported in Kamrup Metro, only 20.5%. It is due to the fact that only two blocks of Kamrup Metro has got ASHA, others being urban areas.

3.2.11 NUMBERS OF ANC BY RELIGION, CASTE, BIRTH ORDER AND AGE

Generally it is seen that religion, caste, birth order and age group have some influence on the number of ANC received by the mothers. Therefore, the study has tried to analyze it. Table 3.2.1(C) shows distribution of mother by religion, caste, birth order, age group and number of ANC received. A lot of variations were found out in case of birth order and ANC received. However, there is no significant variation among caste regarding number of ANC received.

It reveals that 83% Hindu mothers and 74% Muslim mothers received at least three ante natal checkups, during their last pregnancy. The table further shows that 64% Christian mothers received 3 or more ANC. From the figure, it is clear that as the birth order increases the numbers of ANC received decreases. But, it is important fact that as birth order increases the complication related to pregnancy also increases.

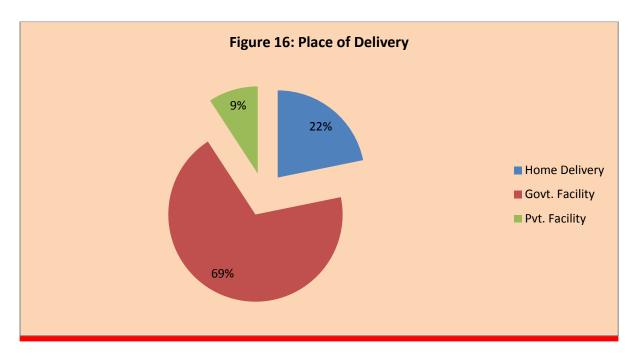


INTRA AND POSTNATAL CARE:

An important thrust of the NRHM programme is to promote institutional deliveries or to conduct home deliveries under hygienic conditions and under the supervision of skilled health personnel. Women, who delivered during 12 months preceding the survey, were asked about the place of delivery, the person who assisted the delivery, and the nature of the delivery.

3.3.1 PLACE OF DELIVERY

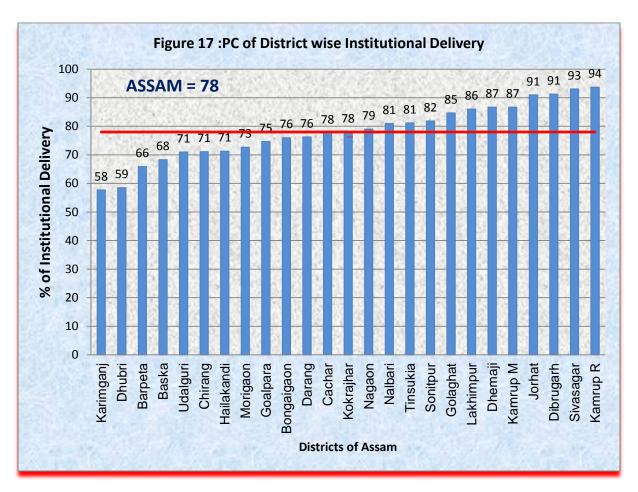
Table 3.3.1 (A) shows the distribution of mothers by place of delivery. 78.2% of the mothers have reported that they have delivered at the health facility.



It is heartening to note that more than 90% of the mothers have reported institutional delivery in Kamrup Rural, Sivasagar, Dibrugarh and Jorhat districts. 80-90% of the mothers reported having institutional delivery in Dhemaji, Kamrup Metro, Lakhimpur, Golaghat, Tinsukia and Nalbari whereas in Nagaon, Kokrajhar, Cachar, Darrang, Bongaigaon, Goalpara, Morigaon, Hailakandi, Chirang and Udalguri it was reported by 70-80% of the mothers. In the remaining four districts it was less than 60% institutional delivery, lowest being in Karimganj, only 57.7%.

It needs to be mentioned that under NRHM continuous support is being provided by GoI to the state in terms of strengthening the Govt. Health facilities so as to ensure delivery

services at the health facilities including the SCs. Therefore, the study has further analyzed the place of institutional delivery so as to find out the utilization of these health facilities for delivery services.



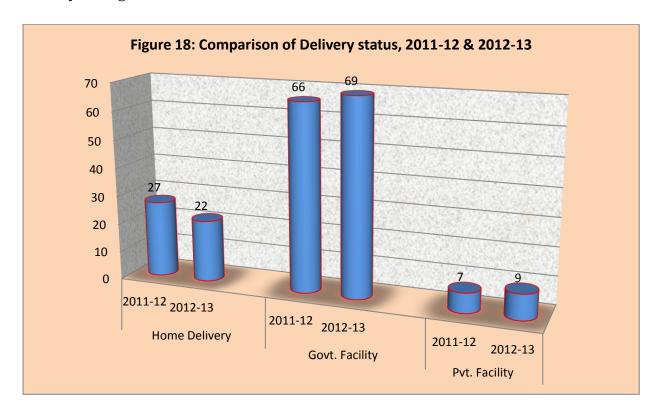
Again it needs to be mentioned that the place of delivery like SC, SD, SHC, MPHC, PHC and CHC could not be properly differentiated by the mothers. However, the mothers can identify District Hospital, Medical College Hospital and Private Hospital, which is quite different from other facilities.

Table 3.3.1(B) shows that 37.3% of mothers have reported to have delivered at CHC/SDH/DH, making it the most preferred choice. Deliveries at other places like SD/MPHC/SHC, Medical College Hospital and Pvt. Hospitals is reported to be in the range of 10-20%, except for PHCs (24.1%) and SCs where it was reported only 3.1%. Further district-wise analysis shows that there are lots of differences amongst the districts. 5-10 % of mothers have reported to deliver at the SC in only eight numbers of districts

(Chirang, Bongaigaon, Cachar, Dhubri, Tinsukia, Kokrajhar, Darrang and Barpeta), highest being in Bongaigaon, which recorded 9.6%. On the other hand districts like Golaghat, Kamrup Metro, Nalbari, Sivasagar and Sonitpur have no deliveries conducted at SCs. More than 50% of the mothers reported to have delivered at the CHC/SDH / DH at Dhemaji (59.2%), Nagaon (54.4%), Morigaon (54.1%), Baksa (54.1%) and Udalguri (51.2%). In case of delivery at the PHC, Chirang district was highest with 37.9% mothers reported to have conducted delivery at the PHC whereas Karimganj district is lowest with only 11%. Delivery at SD/MPHC/SHC was reported highest in Nalbari district (24.3%).

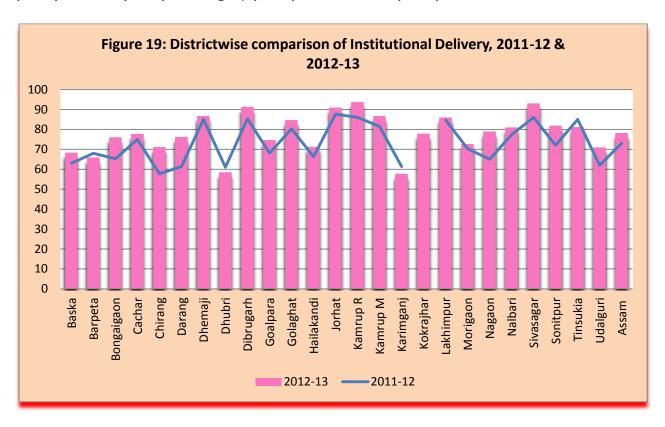
3.3.2 PLACE OF DELIVERY IN 2011-12 & 2012-13

The study also attempted to compare institutional delivery during 2011-12 and 2012-13. It is seen from table 3.3.1 (c) that overall there is 5.1% increase of institutional delivery during 2012-13 from 2011-12.



District wise analysis shows that there are 10% to 15 % increases in institutional delivery in four districts, Darrang, Nagaon, Chirang and Bongaigaon. On other hand

there was slight decrease in institutional delivery of four districts namely; Barpeta (2.1%), Dhubri (2.5%), Karimganj (3.6%) and Tinsukia (3.8%).

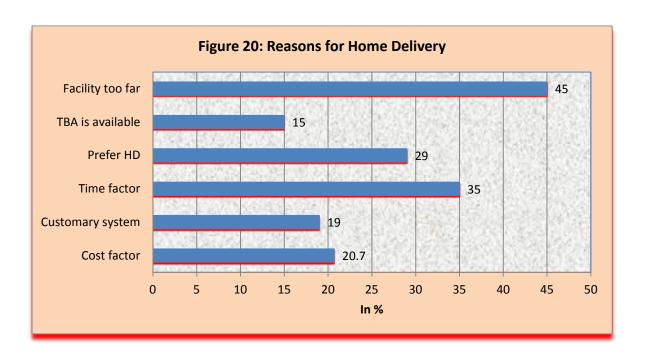


3.3.3 PERSONS CONDUCTING HOME DELIVERY

Although there was an increase in institutional delivery in the state during 2012-13, but still 21.8% deliveries are conducted at home. However, evidences indicate that reduction of maternal and infant mortality and morbidity can be accelerated if women are provided skilled care during pregnancy and child birth. Therefore, it becomes imperative to gather information on who conducts the delivery. Table 3.3.2 gives the details on persons conducting delivery at home. It is reported that only a minimal proportion of mothers (2.1%) who delivered at home are attended either by MO or by an ANM, who are considered to be skilled manpower, posing a threat/risk to the lives of remaining more than 90% of the mothers delivering at home.

3.3.4 REASONS FOR HOME DELIVERY

The major reason for home delivery as depicted in table 3.3.3 is due to facility being too far (44.9%), followed by time constraint (35%), home delivery preference 28.8%, cost factor (20.7%) and TBA is available (15.5%)



3.3.5 TYPE OF DELIVERIES AT THE FACILITY

Further table 3.3.4 shows that out of the total institutional delivery overall 13.8% of the mothers reported to have undergone C-Section. From the district wise analysis, it is seen that the lowest proportions of mothers reported to have undergone C-Section in Goalpara district with 3.7% and the highest is recorded in Dibrugarh district with 29.3%.

3.3.6 MOTHERS STAYING AT THE FACILITY AFTER DELIVERY

Most obstetric complications and maternal deaths occur during delivery and in the first 48 hours after childbirth. Therefore, it becomes imperative for the mothers to stay at the facility for a minimum of 48 hours. The forty-eight hours stay at the health facility should be promoted for the well-being and survival of the mother and the newborn. As per the table 3.3.5, it can be inferred that mothers staying for 48 hours and above is only

44.4%. Necessary counselling should be given to the mothers so that they stay till 48hrs and beyond. Districtwise analysis also shows that mothers from only 10 districts have reported staying at health facility for more than 48 Hours (Hailakandi - 68.7%, Karimganj - 63.6%, Jorhat - 58.2%, Golaghat - 57.5%, Kamrup Metro & Rural- 56.2% each, Dibrugarh - 55.8%, Cachar - 53.4%, Sivasagar - 52.1% and Sonitpur - 50.6%). Some of the districts like Dhubri and Goalpara were as low as 15.3% and 13.4% respectively.

3.3.7 ROLE OF ASHA IN DELIVERY

ASHAs in the state of Assam are very vibrant. It can be seen from table 3.6 that 81.5% of mothers have reported of being accompanied by ASHA during delivery to the health facility. It is heartening to note that from some of the districts like Udalguri, Kokrajhar, Dhemaji, Golaghat and Dhubri reported more than 90%.

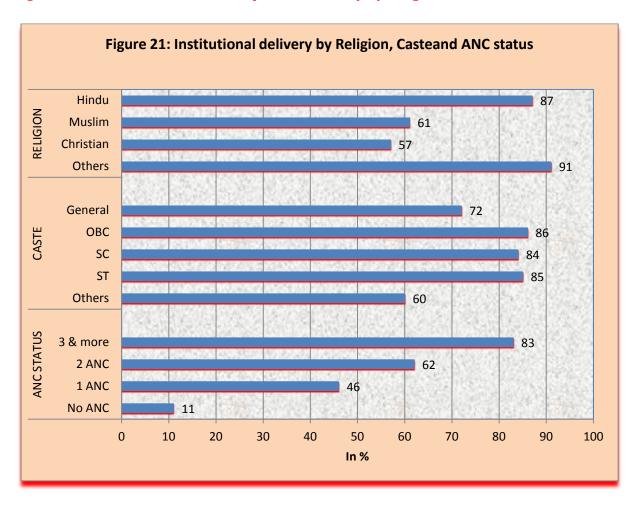
3.3.8: JSY BENEFITS

In order to motivate women to deliver at health facilities, Janani Suraksha Yojana (JSY) was launched as a scheme with the provision of conditional cash transfer to a pregnant woman for institutional care during delivery and the immediate postpartum period. Table 3.3.10 shows that, JSY financial assistance was provided to 83.2% of the mothers. It is seen that in Kamrup Metro the mothers reported to have received financial assistance is less, only 46%. This may be due to the eligibility criteria.

3.3.9: INSTITUTIONAL DELIVERY BY RELIGION, CASTE AND NUMBER OF ANC RECEIVED

The figure 21 depicts the distribution of mothers by place of institutional delivery to religion, caste and number of ANC received. It is tabulated in table no 3.3.1 (D). The table shows that percentage of institutional delivery in case of Hindu mothers was 87%, in case of Muslim mothers it was 61% and it was 57% in case of Christian mothers. Similarly for general caste institutional delivery was 72 %, for OBC, SC and ST mother it

was 86%, 54%, and 85% respectively. Therefore, it can be concluded that there is no significant difference observed for place of delivery by religion and caste.



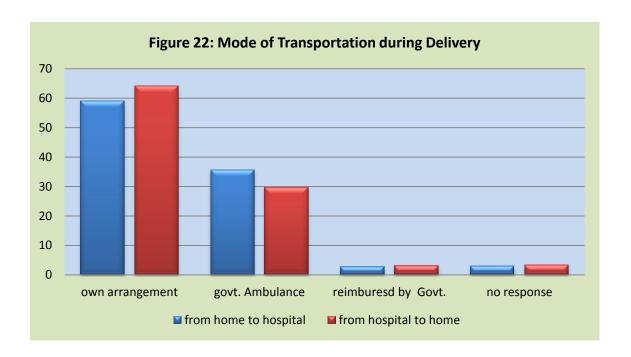
Further, generally it is found that a correlation exists between numbers of ANC received and the place of delivery. As numbers of ANC received increases, the number of institutional delivery also increases. The same positive correlation is also been observed in the study. The figure reflects that 83% of the mothers who conducted delivery at facility were those who had received 3 or more numbers of ANC. On the other hand, out of 208 mothers who did not avail any ANC services, only one mother delivered at facility.

JSSK BENEFITS:

Free assured transport (ambulance service) from home to health facility, inter-facility transfer in case of referral and drop back is an entitlement under JSSK to the pregnant mothers. Therefore, the study also took the details from the respondents regarding the mode of transportation during the delivery.

3.4.1 REFFERAL TRANSPORT FACILITY

Although the JSSK scheme is being implemented in the state but the data extracted from the study reveals that it is yet to gain its momentum. It is seen that more than 58.9% of the mothers came to the hospital by their own arrangement. Ambulance/ 108/ Free Govt. Vehicle were used by only 35.5% of the mothers and only 2.7 got their money reimbursed from the government.



Districtwise analysis shows that the more than 50 % of the mothers from districts like Dhubri, Goalpara, Golaghat and Jorhat only reported to have utilized the Govt.

Ambulance/108 services for reaching the hospitals. From the remaining 22 districts more than 50% of the mothers reported that they made their own arrangement for going to the hospital.

The picture seems much glisten in utilization of drop back facility by the mothers as 64.1% of the mothers have reported that they made their own arrangement for drop back. Districtwise analysis also shows that in all the districts it was reported to be more than 50%

3.4.2 AWARENESS ON JSSK

The study also captured the data on awareness about JSSK. Table 3.3.11 shows that the information on JSSK needs to be penetrated further to the beneficiaries as only 43.8% of mothers reported that they were aware about the JSSK scheme. Amongst the district it was reported highest in Kamrup Metro (71.7%) and lowest in Kokrajhar (26%).

The messages on JSSK were percolated to the beneficiaries mostly through the ASHAs as can be seen from table 3.3.12. Signboard at the hospitals was reported by only 4.7% of the mothers.

Further, when the mothers were asked about the various benefits under JSSK, it was seen that 73.7% of them knew about the provision of free medicine, and 34% of them knew about the free diet facility. The pick and drop back facility was known only to 29.8% and 25.3% respectively.

Taking these study figures into account, the state should plan for vigorous IEC/BCC activities so as to make the mothers aware about the various entitlements under JSSK.

Table 3.1.1: District wise distribution of mothers according to religion

| | | | | Religion | | | | | Total |
|------------|------|------|------|----------|-----|--------|-----|-----|----------|
| District : | Hind | du | Mus | lim | Chr | istian | Oth | ers | Mothers |
| | No. | PC | No. | PC | No. | PC | No. | PC | surveyed |
| BAKSA | 256 | 85.3 | 37 | 12.3 | 6 | 2.0 | 1 | 0.3 | 300 |
| BARPETA | 91 | 30.4 | 207 | 69.2 | | 0.0 | 1 | 0.3 | 299 |
| BONGAIGAON | 156 | 52.0 | 143 | 47.7 | 1 | 0.3 | 0 | 0.0 | 300 |
| CACHAR | 161 | 53.5 | 137 | 45.5 | | 0.0 | 3 | 1.0 | 301 |
| CHIRANG | 160 | 53.2 | 94 | 31.2 | 46 | 15.3 | 1 | 0.3 | 301 |
| DARRANG | 97 | 32.3 | 203 | 67.7 | | 0.0 | 0 | 0.0 | 300 |
| DHEMAJI | 291 | 97.0 | 2 | 0.7 | 1 | 0.3 | 6 | 2.0 | 300 |
| DHUBRI | 89 | 29.6 | 211 | 70.1 | | 0.0 | 1 | 0.3 | 301 |
| DIBRUGARH | 271 | 90.3 | 23 | 7.7 | 1 | 0.3 | 5 | 1.7 | 300 |
| GOALPARA | 140 | 46.7 | 157 | 52.3 | 3 | 1.0 | 0 | 0.0 | 300 |
| GOLAGHAT | 277 | 92.3 | 21 | 7.0 | 1 | 0.3 | 1 | 0.3 | 300 |
| HAILAKANDI | 120 | 40.0 | 180 | 60.0 | | 0.0 | 0 | 0.0 | 300 |
| JORHAT | 277 | 92.3 | 23 | 7.7 | | 0.0 | 0 | 0.0 | 300 |
| KAMRUP R | 202 | 67.3 | 96 | 32.0 | 1 | 0.3 | 1 | 0.3 | 300 |
| KAMRUP M | 219 | 73.0 | 80 | 26.7 | | 0.0 | 1 | 0.3 | 300 |
| KARIMGANJ | 122 | 40.7 | 166 | 55.3 | 10 | 3.3 | 2 | 0.7 | 300 |
| KOKRAJHAR | 169 | 60.1 | 88 | 31.3 | 24 | 8.5 | 0 | 0.0 | 281 |
| LAKHIMPUR | 257 | 85.7 | 35 | 11.7 | 8 | 2.7 | 0 | 0.0 | 300 |
| MORIGAON | 114 | 38.0 | 182 | 60.7 | 2 | 0.7 | 2 | 0.7 | 300 |
| NAGAON | 167 | 55.7 | 131 | 43.7 | 1 | 0.3 | 1 | 0.3 | 300 |
| NALBARI | 199 | 66.3 | 96 | 32.0 | | 0.0 | 5 | 1.7 | 300 |
| SIVSAGAR | 270 | 89.1 | 19 | 6.3 | 3 | 1.0 | 11 | 3.6 | 303 |
| SONITPUR | 259 | 86.6 | 25 | 8.4 | 14 | 4.7 | 1 | 0.3 | 299 |
| TINSUKIA | 260 | 87.2 | 26 | 8.7 | 10 | 3.4 | 2 | 0.7 | 298 |
| UDALGURI | 176 | 58.7 | 30 | 10.0 | 92 | 30.7 | 2 | 0.7 | 300 |
| Assam | 4800 | 64.1 | 2412 | 32.2 | 224 | 3.0 | 47 | 0.6 | 7483 |

Coverage Evaluation Survey, Assam-2013 56 | Page

Table 3.1.2: District wise distribution of mothers by caste

| | | | | | Caste | | | | | | Total |
|------------|------|------|------|------|-------|------|------|------|-----|------|----------|
| District : | Gene | eral | OB | С | SC | • | ST | • | Ot | hers | Mothers |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | surveyed |
| BAKSA | 72 | 24.0 | 31 | 10.3 | 65 | 21.7 | 121 | 40.3 | 11 | 3.7 | 300 |
| BARPETA | 268 | 89.6 | 15 | 5.0 | 4 | 1.3 | 11 | 3.7 | 1 | 0.3 | 299 |
| BONGAIGAON | 159 | 53.0 | 109 | 36.3 | 31 | 10.3 | 1 | 0.3 | 0 | 0.0 | 300 |
| CACHAR | 190 | 63.1 | 55 | 18.3 | 49 | 16.3 | 6 | 2.0 | 1 | 0.3 | 301 |
| CHIRANG | 96 | 31.9 | 21 | 7.0 | 48 | 15.9 | 134 | 44.5 | 2 | 0.7 | 301 |
| DARRANG | 261 | 87.0 | 22 | 7.3 | 15 | 5.0 | 1 | 0.3 | 1 | 0.3 | 300 |
| DHEMAJI | 14 | 4.7 | 55 | 18.3 | 39 | 13.0 | 165 | 55.0 | 27 | 9.0 | 300 |
| DHUBRI | 210 | 69.8 | 72 | 23.9 | 18 | 6.0 | | 0.0 | 1 | 0.3 | 301 |
| DIBRUGARH | 43 | 14.3 | 89 | 29.7 | 76 | 25.3 | 41 | 13.7 | 51 | 17.0 | 300 |
| GOALPARA | 162 | 54.0 | 22 | 7.3 | 23 | 7.7 | 93 | 31.0 | 0 | 0.0 | 300 |
| GOLAGHAT | 54 | 18.0 | 199 | 66.3 | 19 | 6.3 | 26 | 8.7 | 2 | 0.7 | 300 |
| HAILAKANDI | 151 | 50.3 | 31 | 10.3 | 18 | 6.0 | 4 | 1.3 | 96 | 32.0 | 300 |
| JORHAT | 105 | 35.0 | 148 | 49.3 | 10 | 3.3 | 32 | 10.7 | 5 | 1.7 | 300 |
| KAMRUP R | 195 | 65.0 | 30 | 10.0 | 39 | 13.0 | 35 | 11.7 | 1 | 0.3 | 300 |
| KAMRUP M | 217 | 72.3 | 32 | 10.7 | 28 | 9.3 | 23 | 7.7 | 0 | 0.0 | 300 |
| KARIMGANJ | 226 | 75.3 | 11 | 3.7 | 44 | 14.7 | 11 | 3.7 | 8 | 2.7 | 300 |
| KOKRAJHAR | 94 | 33.5 | 67 | 23.8 | 12 | 4.3 | 88 | 31.3 | 20 | 7.1 | 281 |
| LAKHIMPUR | 29 | 9.7 | 87 | 29.0 | 17 | 5.7 | 85 | 28.3 | 82 | 27.3 | 300 |
| MORIGAON | 211 | 70.3 | 10 | 3.3 | 37 | 12.3 | 42 | 14.0 | 0 | 0.0 | 300 |
| NAGAON | 156 | 52.0 | 28 | 9.3 | 71 | 23.7 | 42 | 14.0 | 3 | 1.0 | 300 |
| NALBARI | 146 | 48.7 | 1 | 0.3 | 36 | 12.0 | 26 | 8.7 | 91 | 30.3 | 300 |
| SIVSAGAR | 18 | 5.9 | 90 | 29.7 | 58 | 19.1 | 65 | 21.5 | 72 | 23.8 | 303 |
| SONITPUR | 90 | 30.1 | 56 | 18.7 | 99 | 33.1 | 53 | 17.7 | 1 | 0.3 | 299 |
| TINSUKIA | 45 | 15.1 | 100 | 33.6 | 116 | 38.9 | 29 | 9.7 | 8 | 2.7 | 298 |
| UDALGURI | 46 | 15.3 | 117 | 39.0 | 36 | 12.0 | 99 | 33.0 | 2 | 0.7 | 300 |
| Assam | 3258 | 43.5 | 1498 | 20.0 | 1008 | 13.5 | 1233 | 16.5 | 486 | 6.5 | 7483 |

Coverage Evaluation Survey, Assam-2013 57 | Page

Table 3.1.3: District wise distribution of husband's by educational level

| | | | | | | Educa | tional Le | vel of th | e Husba | and | | | | | | | |
|------------|---------|------|------|------|-------|--------|-----------|-----------|---------|-------|-------|--------|-----|-----|------|-----|---------|
| District : | | | Belo | wc | Belov | v 10th | Below | 12th | Ве | low | Gradu | iate & | | | If r | not | Total |
| District. | Illiter | rate | prim | ary | stan | dards | stand | ards | Grad | duate | abo | ve | Oth | ers | ali | ve | Numbers |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | |
| BAKSA | 46 | 15.3 | 68 | 22.7 | 109 | 36.3 | 37 | 12.3 | 18 | 6.0 | 22 | 7.3 | 0 | 0.0 | | 0.0 | 300 |
| BARPETA | 22 | 7.4 | 73 | 24.4 | 83 | 27.8 | 79 | 26.4 | 22 | 7.4 | 19 | 6.4 | 0 | 0.0 | 1 | 0.3 | 299 |
| BONGAIGAON | 72 | 24.0 | 27 | 9.0 | 111 | 37.0 | 51 | 17.0 | 15 | 5.0 | 22 | 7.3 | 2 | 0.7 | | 0.0 | 300 |
| CACHAR | 49 | 16.3 | 82 | 27.2 | 93 | 30.9 | 33 | 11.0 | 19 | 6.3 | 25 | 8.3 | 0 | 0.0 | | 0.0 | 301 |
| CHIRANG | 101 | 33.6 | 36 | 12.0 | 104 | 34.6 | 30 | 10.0 | 11 | 3.7 | 19 | 6.3 | 0 | 0.0 | | 0.0 | 301 |
| DARRANG | 81 | 27.0 | 63 | 21.0 | 85 | 28.3 | 24 | 8.0 | 23 | 7.7 | 23 | 7.7 | 1 | 0.3 | | 0.0 | 300 |
| DHEMAJI | 67 | 22.3 | 46 | 15.3 | 78 | 26.0 | 45 | 15.0 | 32 | 10.7 | 32 | 10.7 | 0 | 0.0 | | 0.0 | 300 |
| DHUBRI | 95 | 31.6 | 36 | 12.0 | 88 | 29.2 | 61 | 20.3 | 7 | 2.3 | 13 | 4.3 | 1 | 0.3 | | 0.0 | 301 |
| DIBRUGARH | 15 | 5.0 | 80 | 26.7 | 85 | 28.3 | 51 | 17.0 | 30 | 10.0 | 38 | 12.7 | 0 | 0.0 | 1 | 0.3 | 300 |
| GOALPARA | 74 | 24.7 | 22 | 7.3 | 101 | 33.7 | 75 | 25.0 | 6 | 2.0 | 22 | 7.3 | 0 | 0.0 | | 0.0 | 300 |
| GOLAGHAT | 8 | 2.7 | 73 | 24.3 | 75 | 25.0 | 62 | 20.7 | 49 | 16.3 | 33 | 11.0 | 0 | 0.0 | | 0.0 | 300 |
| HAILAKANDI | 68 | 22.7 | 84 | 28.0 | 70 | 23.3 | 30 | 10.0 | 28 | 9.3 | 17 | 5.7 | 3 | 1.0 | | 0.0 | 300 |
| JORHAT | 9 | 3.0 | 58 | 19.3 | 46 | 15.3 | 65 | 21.7 | 90 | 30.0 | 32 | 10.7 | 0 | 0.0 | | 0.0 | 300 |
| KAMRUP R | 30 | 10.0 | 73 | 24.3 | 70 | 23.3 | 46 | 15.3 | 39 | 13.0 | 39 | 13.0 | 3 | 1.0 | | 0.0 | 300 |
| KAMRUP M | 9 | 3.0 | 97 | 32.3 | 85 | 28.3 | 31 | 10.3 | 30 | 10.0 | 46 | 15.3 | 1 | 0.3 | 1 | 0.3 | 300 |
| KARIMGANJ | 29 | 9.7 | 126 | 42.0 | 86 | 28.7 | 38 | 12.7 | 9 | 3.0 | 12 | 4.0 | 0 | 0.0 | | 0.0 | 300 |
| KOKRAJHAR | 59 | 21.0 | 66 | 23.5 | 89 | 31.7 | 41 | 14.6 | 12 | 4.3 | 10 | 3.6 | 4 | 1.4 | | 0.0 | 281 |
| LAKHIMPUR | 51 | 17.0 | 67 | 22.3 | 83 | 27.7 | 48 | 16.0 | 28 | 9.3 | 23 | 7.7 | 0 | 0.0 | | 0.0 | 300 |
| MORIGAON | 96 | 32.0 | 55 | 18.3 | 96 | 32.0 | 16 | 5.3 | 17 | 5.7 | 19 | 6.3 | 0 | 0.0 | 1 | 0.3 | 300 |
| NAGAON | 50 | 16.7 | 64 | 21.3 | 118 | 39.3 | 23 | 7.7 | 21 | 7.0 | 24 | 8.0 | 0 | 0.0 | | 0.0 | 300 |
| NALBARI | 46 | 15.3 | 40 | 13.3 | 46 | 15.3 | 70 | 23.3 | 40 | 13.3 | 44 | 14.7 | 14 | 4.7 | | 0.0 | 300 |
| SIVSAGAR | 20 | 6.6 | 26 | 8.6 | 84 | 27.7 | 100 | 33.0 | 40 | 13.2 | 32 | 10.6 | 1 | 0.3 | | 0.0 | 303 |
| SONITPUR | 79 | 26.4 | 40 | 13.4 | 117 | 39.1 | 17 | 5.7 | 20 | 6.7 | 25 | 8.4 | 1 | 0.3 | | 0.0 | 299 |
| TINSUKIA | 63 | 21.1 | 59 | 19.8 | 109 | 36.6 | 24 | 8.1 | 10 | 3.4 | 27 | 9.1 | 4 | 1.3 | 2 | 0.7 | 298 |
| UDALGURI | 77 | 25.7 | 44 | 14.7 | 137 | 45.7 | 16 | 5.3 | 10 | 3.3 | 14 | 4.7 | 0 | 0.0 | 2 | 0.7 | 300 |
| Assam | 1316 | 17.6 | 1505 | 20.1 | 2248 | 30.0 | 1113 | 14.9 | 626 | 8.4 | 632 | 8.4 | 35 | 0.5 | 8 | 0.1 | 7483 |

Coverage Evaluation Survey, Assam-2013 58 | Page

Table 3.1.4: District wise distribution of mother's by educational level

| | | | | | | Edu | cational | Level of | the Mo | ther | | | | | | | |
|------------|---------|------|------|------|-------|-------|----------|----------|--------|-------|------|--------|-----|------|------|-----|---------|
| District : | | | Belo | wc | Below | 10th | Belov | v 12th | Ве | low | Grad | uate & | | | If r | ot | Total |
| DISTRICT. | Illitei | rate | prim | ary | stand | lards | stan | dards | Grad | duate | ab | ove | Oth | ners | ali | ve | Numbers |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | |
| BAKSA | 68 | 22.7 | 62 | 20.7 | 117 | 39.0 | 25 | 8.3 | 15 | 5.0 | 13 | 4.3 | 0 | 0.0 | | 0.0 | 300 |
| BARPETA | 23 | 7.7 | 117 | 39.1 | 69 | 23.1 | 50 | 16.7 | 24 | 8.0 | 15 | 5.0 | 1 | 0.3 | | 0.0 | 299 |
| BONGAIGAON | 76 | 25.3 | 32 | 10.7 | 118 | 39.3 | 43 | 14.3 | 13 | 4.3 | 16 | 5.3 | 2 | 0.7 | | 0.0 | 300 |
| CACHAR | 58 | 19.3 | 73 | 24.3 | 101 | 33.6 | 29 | 9.6 | 12 | 4.0 | 26 | 8.6 | 1 | 0.3 | 1 | 0.3 | 301 |
| CHIRANG | 90 | 29.9 | 67 | 22.3 | 98 | 32.6 | 19 | 6.3 | 13 | 4.3 | 13 | 4.3 | 0 | 0.0 | 1 | 0.3 | 301 |
| DARRANG | 85 | 28.3 | 54 | 18.0 | 86 | 28.7 | 39 | 13.0 | 14 | 4.7 | 21 | 7.0 | 1 | 0.3 | | 0.0 | 300 |
| DHEMAJI | 89 | 29.7 | 42 | 14.0 | 68 | 22.7 | 43 | 14.3 | 26 | 8.7 | 32 | 10.7 | 0 | 0.0 | | 0.0 | 300 |
| DHUBRI | 103 | 34.2 | 77 | 25.6 | 85 | 28.2 | 21 | 7.0 | 3 | 1.0 | 11 | 3.7 | 1 | 0.3 | | 0.0 | 301 |
| DIBRUGARH | 69 | 23.0 | 56 | 18.7 | 76 | 25.3 | 37 | 12.3 | 26 | 8.7 | 36 | 12.0 | 0 | 0.0 | | 0.0 | 300 |
| GOALPARA | 85 | 28.3 | 103 | 34.3 | 86 | 28.7 | 12 | 4.0 | 2 | 0.7 | 12 | 4.0 | 0 | 0.0 | | 0.0 | 300 |
| GOLAGHAT | 22 | 7.3 | 91 | 30.3 | 63 | 21.0 | 66 | 22.0 | 33 | 11.0 | 25 | 8.3 | 0 | 0.0 | | 0.0 | 300 |
| HAILAKANDI | 41 | 13.7 | 86 | 28.7 | 89 | 29.7 | 42 | 14.0 | 25 | 8.3 | 16 | 5.3 | 1 | 0.3 | | 0.0 | 300 |
| JORHAT | 18 | 6.0 | 62 | 20.7 | 67 | 22.3 | 79 | 26.3 | 37 | 12.3 | 36 | 12.0 | 0 | 0.0 | 1 | 0.3 | 300 |
| KAMRUP R | 49 | 16.3 | 82 | 27.3 | 72 | 24.0 | 38 | 12.7 | 26 | 8.7 | 31 | 10.3 | 1 | 0.3 | 1 | 0.3 | 300 |
| KAMRUP M | 37 | 12.3 | 78 | 26.0 | 104 | 34.7 | 26 | 8.7 | 17 | 5.7 | 38 | 12.7 | 0 | 0.0 | | 0.0 | 300 |
| KARIMGANJ | 68 | 22.7 | 100 | 33.3 | 86 | 28.7 | 26 | 8.7 | 6 | 2.0 | 13 | 4.3 | 0 | 0.0 | 1 | 0.3 | 300 |
| KOKRAJHAR | 74 | 26.3 | 61 | 21.7 | 88 | 31.3 | 22 | 7.8 | 9 | 3.2 | 22 | 7.8 | 5 | 1.8 | | 0.0 | 281 |
| LAKHIMPUR | 82 | 27.3 | 47 | 15.7 | 87 | 29.0 | 35 | 11.7 | 26 | 8.7 | 23 | 7.7 | 0 | 0.0 | | 0.0 | 300 |
| MORIGAON | 58 | 19.3 | 61 | 20.3 | 135 | 45.0 | 10 | 3.3 | 21 | 7.0 | 15 | 5.0 | 0 | 0.0 | | 0.0 | 300 |
| NAGAON | 52 | 17.3 | 50 | 16.7 | 140 | 46.7 | 22 | 7.3 | 15 | 5.0 | 20 | 6.7 | 0 | 0.0 | 1 | 0.3 | 300 |
| NALBARI | 51 | 17.0 | 80 | 26.7 | 68 | 22.7 | 39 | 13.0 | 19 | 6.3 | 27 | 9.0 | 16 | 5.3 | | 0.0 | 300 |
| SIVSAGAR | 32 | 10.6 | 53 | 17.5 | 94 | 31.0 | 59 | 19.5 | 29 | 9.6 | 34 | 11.2 | 2 | 0.7 | | 0.0 | 303 |
| SONITPUR | 94 | 31.4 | 30 | 10.0 | 124 | 41.5 | 19 | 6.4 | 26 | 8.7 | 5 | 1.7 | 1 | 0.3 | | 0.0 | 299 |
| TINSUKIA | 100 | 33.6 | 46 | 15.4 | 93 | 31.2 | 24 | 8.1 | 8 | 2.7 | 23 | 7.7 | 3 | 1.0 | 1 | 0.3 | 298 |
| UDALGURI | 88 | 29.3 | 33 | 11.0 | 123 | 41.0 | 23 | 7.7 | 7 | 2.3 | 26 | 8.7 | 0 | 0.0 | | 0.0 | 300 |
| Assam | 1612 | 21.5 | 1643 | 22.0 | 2337 | 31.2 | 848 | 11.3 | 452 | 6.0 | 549 | 7.3 | 35 | 0.5 | 7 | 0.1 | 7483 |

Coverage Evaluation Survey, Assam-2013 59 | Page

Table 3.1.5: District wise distribution of mothers by occupation of the husband

| | | | | | | | Occuj | pation | of the F | lusband | | | | | | | |
|------------|-----|------|-----|------|-------|------|--------|--------|----------|---------|------|---------|---------|------|-----|-----|---------|
| District : | Go | ovt. | P | vt. | | | | | Agric | ultural | Indu | ıstrial | Daily \ | Nage | | | Total |
| DISTRICT. | Ser | vice | Ser | vice | Busii | ness | Cultiv | ation | Wo | rker | Wo | rker | Labo | our | Oth | ers | Numbers |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | |
| BAKSA | 14 | 4.7 | 17 | 5.7 | 40 | 13.3 | 46 | 15.3 | 77 | 25.7 | 11 | 3.7 | 91 | 30.3 | 4 | 1.3 | 300 |
| BARPETA | 13 | 4.4 | 25 | 8.4 | 78 | 26.2 | 70 | 23.5 | 58 | 19.5 | 6 | 2.0 | 48 | 16.1 | 0 | 0.0 | 298 |
| BONGAIGAON | 35 | 11.7 | 31 | 10.3 | 60 | 20.0 | 40 | 13.3 | 45 | 15.0 | 14 | 4.7 | 68 | 22.7 | 7 | 2.3 | 300 |
| CACHAR | 20 | 6.6 | 26 | 8.6 | 92 | 30.6 | 29 | 9.6 | 14 | 4.7 | 25 | 8.3 | 82 | 27.2 | 13 | 4.3 | 301 |
| CHIRANG | 20 | 6.6 | 10 | 3.3 | 70 | 23.3 | 89 | 29.6 | 28 | 9.3 | 10 | 3.3 | 71 | 23.6 | 3 | 1.0 | 301 |
| DARRANG | 10 | 3.3 | 12 | 4.0 | 48 | 16.0 | 67 | 22.3 | 76 | 25.3 | 2 | 0.7 | 81 | 27.0 | 4 | 1.3 | 300 |
| DHEMAJI | 12 | 4.0 | 9 | 3.0 | 48 | 16.0 | 144 | 48.0 | 31 | 10.3 | 13 | 4.3 | 40 | 13.3 | 3 | 1.0 | 300 |
| DHUBRI | 15 | 5.0 | 3 | 1.0 | 73 | 24.3 | 100 | 33.2 | 66 | 21.9 | 14 | 4.7 | 22 | 7.3 | 8 | 2.7 | 301 |
| DIBRUGARH | 13 | 4.3 | 19 | 6.4 | 38 | 12.7 | 87 | 29.1 | 26 | 8.7 | 49 | 16.4 | 59 | 19.7 | 8 | 2.7 | 299 |
| GOALPARA | 13 | 4.3 | 5 | 1.7 | 52 | 17.3 | 76 | 25.3 | 68 | 22.7 | 21 | 7.0 | 53 | 17.7 | 12 | 4.0 | 300 |
| GOLAGHAT | 13 | 4.3 | 14 | 4.7 | 61 | 20.3 | 76 | 25.3 | 46 | 15.3 | 40 | 13.3 | 49 | 16.3 | 1 | 0.3 | 300 |
| HAILAKANDI | 26 | 8.7 | 47 | 15.7 | 35 | 11.7 | 42 | 14.0 | 35 | 11.7 | 20 | 6.7 | 78 | 26.0 | 17 | 5.7 | 300 |
| JORHAT | 26 | 8.7 | 32 | 10.7 | 66 | 22.0 | 33 | 11.0 | 49 | 16.3 | 16 | 5.3 | 78 | 26.0 | 0 | 0.0 | 300 |
| KAMRUP R | 14 | 4.7 | 34 | 11.3 | 83 | 27.7 | 64 | 21.3 | 42 | 14.0 | 3 | 1.0 | 52 | 17.3 | 8 | 2.7 | 300 |
| KAMRUP M | 21 | 7.0 | 36 | 12.0 | 95 | 31.8 | 17 | 5.7 | 13 | 4.3 | 44 | 14.7 | 69 | 23.1 | 4 | 1.3 | 299 |
| KARIMGANJ | 16 | 5.3 | 20 | 6.7 | 36 | 12.0 | 63 | 21.0 | 27 | 9.0 | 25 | 8.3 | 106 | 35.3 | 7 | 2.3 | 300 |
| KOKRAJHAR | 23 | 8.2 | 8 | 2.8 | 45 | 16.0 | 81 | 28.8 | 23 | 8.2 | 11 | 3.9 | 85 | 30.2 | 5 | 1.8 | 281 |
| LAKHIMPUR | 18 | 6.0 | 20 | 6.7 | 41 | 13.7 | 80 | 26.7 | 40 | 13.3 | 7 | 2.3 | 93 | 31.0 | 1 | 0.3 | 300 |
| MORIGAON | 19 | 6.4 | 22 | 7.4 | 38 | 12.7 | 47 | 15.7 | 55 | 18.4 | | 0.0 | 114 | 38.1 | 4 | 1.3 | 299 |
| NAGAON | 26 | 8.7 | 33 | 11.0 | 57 | 19.0 | 67 | 22.3 | 34 | 11.3 | 1 | 0.3 | 82 | 27.3 | 0 | 0.0 | 300 |
| NALBARI | 30 | 10.0 | 30 | 10.0 | 60 | 20.0 | 69 | 23.0 | 12 | 4.0 | 10 | 3.3 | 74 | 24.7 | 15 | 5.0 | 300 |
| SIVSAGAR | 18 | 5.9 | 12 | 4.0 | 38 | 12.5 | 98 | 32.3 | 26 | 8.6 | 80 | 26.4 | 22 | 7.3 | 9 | 3.0 | 303 |
| SONITPUR | 14 | 4.7 | 29 | 9.7 | 76 | 25.4 | 62 | 20.7 | 3 | 1.0 | 3 | 1.0 | 110 | 36.8 | 2 | 0.7 | 299 |
| TINSUKIA | 18 | 6.1 | 25 | 8.4 | 40 | 13.5 | 20 | 6.8 | 48 | 16.2 | 57 | 19.3 | 76 | 25.7 | 12 | 4.1 | 296 |
| UDALGURI | 15 | 5.0 | 11 | 3.7 | 41 | 13.8 | 103 | 34.6 | 6 | 2.0 | 2 | 0.7 | 118 | 39.6 | 2 | 0.7 | 298 |
| Assam | 462 | 6.2 | 530 | 7.1 | 1411 | 18.9 | 1670 | 22.3 | 948 | 12.7 | 484 | 6.5 | 1821 | 24.4 | 149 | 2.0 | 7475 |

Coverage Evaluation Survey, Assam-2013 60 | Page

Table 3.1.6: District wise distribution of mothers by occupation

| | | | | | | Occup | ation c | of the I | Mother | | | | | | Total |
|------------|-------|------|------------|-----|------------|-------|---------|----------|--------|--------|-------|--------|-----|-----|----------|
| District : | House | wife | Go Serv | | Pv Serv | | Busii | ness | Culti | vation | Daily | Labour | Oth | ers | Mothers |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | surveyed |
| BAKSA | 273 | 91.0 | 3 | 1.0 | | | | 0.0 | | | 2 | 0.7 | 22 | 7.3 | 300 |
| BARPETA | 234 | 78.3 | 5 | 1.7 | 3 | 1.0 | 2 | 0.7 | 22 | 7.4 | 20 | 6.7 | 13 | 4.3 | 299 |
| BONGAIGAON | 283 | 94.3 | 4 | 1.3 | 4 | 1.3 | | 0.0 | 5 | 1.7 | 0 | 0.0 | 4 | 1.3 | 300 |
| CACHAR | 267 | 89.0 | 5 | 1.7 | 3 | 1.0 | 1 | 0.3 | | | 20 | 6.7 | 4 | 1.3 | 300 |
| CHIRANG | 274 | 91.3 | 2 | 0.7 | | | | | 22 | 7.3 | 2 | 0.7 | 0 | 0.0 | 300 |
| DARRANG | 279 | 93.0 | 3 | 1.0 | 1 | 0.3 | | | | | 3 | 1.0 | 14 | 4.7 | 300 |
| DHEMAJI | 268 | 89.3 | 6 | 2.0 | 2 | 0.7 | 2 | 0.7 | 7 | 2.3 | 10 | 3.3 | 5 | 1.7 | 300 |
| DHUBRI | 288 | 95.7 | | | | | 2 | 0.7 | 1 | 0.3 | 4 | 1.3 | 6 | 2.0 | 301 |
| DIBRUGARH | 218 | 72.7 | 2 | 0.7 | 1 | 0.3 | 4 | 1.3 | 43 | 14.3 | 31 | 10.3 | 1 | 0.3 | 300 |
| GOALPARA | 294 | 98.0 | | | 1 | 0.3 | | 0.0 | 2 | 0.7 | 3 | 1.0 | 0 | 0.0 | 300 |
| GOLAGHAT | 197 | 65.7 | 1 | 0.3 | | | | | 15 | 5.0 | 78 | 26.0 | 9 | 3.0 | 300 |
| HAILAKANDI | 279 | 93.0 | 4 | 1.3 | 1 | 0.3 | | 0.0 | | 0.0 | 9 | 3.0 | 7 | 2.3 | 300 |
| JORHAT | 227 | 75.9 | | | 2 | 0.7 | 1 | 0.3 | 15 | 5.0 | 44 | 14.7 | 10 | 3.3 | 299 |
| KAMRUP R | 284 | 95.0 | 5 | 1.7 | 1 | 0.3 | 2 | 0.7 | | | 2 | 0.7 | 5 | 1.7 | 299 |
| KAMRUP M | 269 | 89.7 | 3 | 1.0 | 5 | 1.7 | 4 | 1.3 | | | 5 | 1.7 | 14 | 4.7 | 300 |
| KARIMGANJ | 287 | 96.0 | 3 | 1.0 | 1 | 0.3 | 1 | 0.3 | | | 4 | 1.3 | 3 | 1.0 | 299 |
| KOKRAJHAR | 268 | 95.4 | 4 | 1.4 | | | | | 1 | 0.4 | 3 | 1.1 | 5 | 1.8 | 281 |
| LAKHIMPUR | 273 | 91.0 | 8 | 2.7 | 5 | 1.7 | 1 | 0.3 | 1 | 0.3 | 6 | 2.0 | 6 | 2.0 | 300 |
| MORIGAON | 286 | 95.3 | 1 | 0.3 | 2 | 0.7 | 2 | 0.7 | 3 | 1.0 | 4 | 1.3 | 2 | 0.7 | 300 |
| NAGAON | 270 | 90.3 | 7 | 2.3 | 5 | 1.7 | 1 | 0.3 | 3 | 1.0 | 9 | 3.0 | 4 | 1.3 | 299 |
| NALBARI | 233 | 77.7 | | | | | | 0.0 | 31 | 10.3 | 14 | 4.7 | 22 | 7.3 | 300 |
| SIVSAGAR | 188 | 62.0 | 2 | 0.7 | 4 | 1.3 | 4 | 1.3 | 40 | 13.2 | 57 | 18.8 | 8 | 2.6 | 303 |
| SONITPUR | 253 | 84.6 | 4 | 1.3 | 2 | 0.7 | | | | | 35 | 11.7 | 5 | 1.7 | 299 |
| TINSUKIA | 244 | 82.2 | 4 | 1.3 | 2 | 0.7 | | | 1 | 0.3 | 45 | 15.2 | 1 | 0.3 | 297 |
| UDALGURI | 257 | 85.7 | 3 | 1.0 | | | | | 1 | 0.3 | 33 | 11.0 | 6 | 2.0 | 300 |
| Assam | 6493 | 86.9 | 79 | 1.1 | 45 | 0.6 | 27 | 0.4 | 213 | 2.8 | 443 | 5.9 | 176 | 2.4 | 7476 |

Coverage Evaluation Survey, Assam-2013 61 | Page

Table 3.1.7: District wise distribution of mothers by family size

| | | | 1 | Number | of Famil | y Meml | bers | | | | T |
|------------|------|------|------|--------|----------|--------|------|------|------|-------|------------------|
| District : | < | 5 | < (| 6 | < 1 | 8 | < | 10 | 10 & | above | Total Numbers |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | Nullibel 3 |
| BAKSA | 132 | 44.0 | 62 | 20.7 | 74 | 24.7 | 26 | 8.7 | 6 | 2.0 | 300 |
| BARPETA | 142 | 47.5 | 60 | 20.1 | 65 | 21.7 | 15 | 5.0 | 17 | 5.7 | 299 |
| BONGAIGAON | 122 | 40.7 | 49 | 16.3 | 68 | 22.7 | 40 | 13.3 | 21 | 7.0 | 300 |
| CACHAR | 108 | 35.9 | 67 | 22.3 | 60 | 19.9 | 41 | 13.6 | 25 | 8.3 | 301 |
| CHIRANG | 131 | 43.5 | 51 | 16.9 | 75 | 24.9 | 24 | 8.0 | 20 | 6.6 | 301 |
| DARRANG | 145 | 48.3 | 59 | 19.7 | 49 | 16.3 | 22 | 7.3 | 25 | 8.3 | 300 |
| DHEMAJI | 125 | 41.7 | 57 | 19.0 | 57 | 19.0 | 30 | 10.0 | 31 | 10.3 | 300 |
| DHUBRI | 134 | 44.5 | 57 | 18.9 | 37 | 12.3 | 32 | 10.6 | 41 | 13.6 | 301 |
| DIBRUGARH | 105 | 35.0 | 52 | 17.3 | 89 | 29.7 | 33 | 11.0 | 21 | 7.0 | 300 |
| GOALPARA | 139 | 46.3 | 43 | 14.3 | 44 | 14.7 | 32 | 10.7 | 42 | 14.0 | 300 |
| GOLAGHAT | 173 | 57.7 | 55 | 18.3 | 38 | 12.7 | 29 | 9.7 | 5 | 1.7 | 300 |
| HAILAKANDI | 120 | 40.0 | 39 | 13.0 | 56 | 18.7 | 36 | 12.0 | 49 | 16.3 | 300 |
| JORHAT | 182 | 60.7 | 54 | 18.0 | 45 | 15.0 | 17 | 5.7 | 2 | 0.7 | 300 |
| KAMRUP R | 121 | 40.3 | 64 | 21.3 | 64 | 21.3 | 34 | 11.3 | 17 | 5.7 | 300 |
| KAMRUP M | 186 | 62.0 | 45 | 15.0 | 42 | 14.0 | 17 | 5.7 | 10 | 3.3 | 300 |
| KARIMGANJ | 100 | 33.3 | 55 | 18.3 | 69 | 23.0 | 40 | 13.3 | 36 | 12.0 | 300 |
| KOKRAJHAR | 164 | 58.4 | 37 | 13.2 | 43 | 15.3 | 27 | 9.6 | 10 | 3.6 | 281 |
| LAKHIMPUR | 112 | 37.3 | 44 | 14.7 | 90 | 30.0 | 32 | 10.7 | 22 | 7.3 | 300 |
| MORIGAON | 147 | 49.0 | 54 | 18.0 | 56 | 18.7 | 25 | 8.3 | 18 | 6.0 | 300 |
| NAGAON | 160 | 53.3 | 40 | 13.3 | 64 | 21.3 | 15 | 5.0 | 21 | 7.0 | 300 |
| NALBARI | 154 | 51.3 | 53 | 17.7 | 49 | 16.3 | 25 | 8.3 | 19 | 6.3 | 300 |
| SIVSAGAR | 147 | 48.5 | 41 | 13.5 | 81 | 26.7 | 25 | 8.3 | 9 | 3.0 | 303 |
| SONITPUR | 109 | 36.5 | 69 | 23.1 | 81 | 27.1 | 23 | 7.7 | 17 | 5.7 | 299 |
| TINSUKIA | 75 | 25.2 | 46 | 15.4 | 100 | 33.6 | 44 | 14.8 | 33 | 11.1 | 298 |
| UDALGURI | 104 | 34.7 | 44 | 14.7 | 120 | 40.0 | 19 | 6.3 | 13 | 4.3 | 300 |
| Assam | 3337 | 44.6 | 1297 | 17.3 | 1616 | 21.6 | 703 | 9.4 | 530 | 7.1 | 7483 |

Coverage Evaluation Survey, Assam-2013 62 | Page

Table 3.1.8: District wise distribution of mothers by current age

| | | | | | Age Gro | oup | | | | | Total |
|------------|-----|------|------|------|---------|------|-----|------|------|-------|----------|
| District : | 15 | - 19 | 20 - | 24 | 25 - | 29 | 30 | - 34 | 35 & | above | Mothers |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | surveyed |
| BAKSA | 4 | 1.3 | 137 | 45.7 | 123 | 41.0 | 27 | 9.0 | 9 | 3.0 | 300 |
| BARPETA | 24 | 8.0 | 120 | 40.1 | 121 | 40.5 | 23 | 7.7 | 11 | 3.7 | 299 |
| BONGAIGAON | 46 | 15.3 | 108 | 36.0 | 119 | 39.7 | 22 | 7.3 | 5 | 1.7 | 300 |
| CACHAR | 10 | 3.3 | 86 | 28.6 | 152 | 50.5 | 33 | 11.0 | 20 | 6.6 | 301 |
| CHIRANG | 18 | 6.0 | 105 | 34.9 | 102 | 33.9 | 37 | 12.3 | 39 | 13.0 | 301 |
| DARRANG | 23 | 7.7 | 141 | 47.0 | 110 | 36.7 | 22 | 7.3 | 4 | 1.3 | 300 |
| DHEMAJI | 14 | 4.7 | 146 | 48.7 | 113 | 37.7 | 23 | 7.7 | 4 | 1.3 | 300 |
| DHUBRI | 27 | 9.0 | 128 | 42.5 | 95 | 31.6 | 33 | 11.0 | 18 | 6.0 | 301 |
| DIBRUGARH | 33 | 11.0 | 104 | 34.7 | 134 | 44.7 | 21 | 7.0 | 8 | 2.7 | 300 |
| GOALPARA | 12 | 4.0 | 125 | 41.7 | 105 | 35.0 | 25 | 8.3 | 33 | 11.0 | 300 |
| GOLAGHAT | 10 | 3.3 | 119 | 39.7 | 135 | 45.0 | 29 | 9.7 | 7 | 2.3 | 300 |
| HAILAKANDI | 33 | 11.0 | 110 | 36.7 | 108 | 36.0 | 34 | 11.3 | 15 | 5.0 | 300 |
| JORHAT | 15 | 5.0 | 140 | 46.7 | 126 | 42.0 | 17 | 5.7 | 2 | 0.7 | 300 |
| KAMRUP R | 6 | 2.0 | 96 | 32.0 | 149 | 49.7 | 37 | 12.3 | 12 | 4.0 | 300 |
| KAMRUP M | 8 | 2.7 | 104 | 34.7 | 135 | 45.0 | 40 | 13.3 | 13 | 4.3 | 300 |
| KARIMGANJ | 15 | 5.0 | 89 | 29.7 | 126 | 42.0 | 47 | 15.7 | 23 | 7.7 | 300 |
| KOKRAJHAR | 21 | 7.5 | 101 | 35.9 | 114 | 40.6 | 40 | 14.2 | 5 | 1.8 | 281 |
| LAKHIMPUR | 12 | 4.0 | 147 | 49.0 | 119 | 39.7 | 18 | 6.0 | 4 | 1.3 | 300 |
| MORIGAON | 14 | 4.7 | 129 | 43.0 | 112 | 37.3 | 32 | 10.7 | 13 | 4.3 | 300 |
| NAGAON | 16 | 5.3 | 123 | 41.0 | 123 | 41.0 | 28 | 9.3 | 10 | 3.3 | 300 |
| NALBARI | 4 | 1.3 | 72 | 24.0 | 187 | 62.3 | 24 | 8.0 | 13 | 4.3 | 300 |
| SIVSAGAR | 14 | 4.6 | 65 | 21.5 | 201 | 66.3 | 17 | 5.6 | 6 | 2.0 | 303 |
| SONITPUR | 12 | 4.0 | 116 | 38.8 | 123 | 41.1 | 42 | 14.0 | 6 | 2.0 | 299 |
| TINSUKIA | 13 | 4.4 | 112 | 37.6 | 131 | 44.0 | 25 | 8.4 | 17 | 5.7 | 298 |
| UDALGURI | 10 | 3.3 | 102 | 34.0 | 129 | 43.0 | 57 | 19.0 | 2 | 0.7 | 300 |
| Assam | 414 | 5.5 | 2825 | 37.8 | 3192 | 42.7 | 753 | 10.1 | 299 | 4.0 | 7483 |

Coverage Evaluation Survey, Assam-2013 63 | Page

Table 3.1.9: District wise distribution of mothers by age at marriage

| | | | Mothe | er's age at n | narriage | | | | Total Matheus |
|------------|------|------|-------|---------------|----------|------|--------|------|---------------|
| District : | 15 - | 19 | 20 - | 24 | 25 | - 29 | 30 & a | bove | Total Mothers |
| | No. | PC | No. | PC | No. | PC | No. | PC | surveyed |
| BAKSA | 152 | 50.7 | 133 | 44.3 | 14 | 4.7 | 1 | 0.3 | 300 |
| BARPETA | 152 | 50.8 | 108 | 36.1 | 33 | 11.0 | 6 | 2.0 | 299 |
| BONGAIGAON | 210 | 70.0 | 59 | 19.7 | 31 | 10.3 | | 0.0 | 300 |
| CACHAR | 163 | 54.2 | 117 | 38.9 | 17 | 5.6 | 4 | 1.3 | 301 |
| CHIRANG | 132 | 43.9 | 109 | 36.2 | 55 | 18.3 | 5 | 1.7 | 301 |
| DARRANG | 225 | 75.0 | 64 | 21.3 | 11 | 3.7 | | 0.0 | 300 |
| DHEMAJI | 162 | 54.0 | 116 | 38.7 | 20 | 6.7 | 2 | 0.7 | 300 |
| DHUBRI | 173 | 57.5 | 84 | 27.9 | 41 | 13.6 | 3 | 1.0 | 301 |
| DIBRUGARH | 134 | 44.7 | 126 | 42.0 | 32 | 10.7 | 8 | 2.7 | 300 |
| GOALPARA | 179 | 59.7 | 77 | 25.7 | 15 | 5.0 | 29 | 9.7 | 300 |
| GOLAGHAT | 152 | 50.7 | 124 | 41.3 | 24 | 8.0 | | 0.0 | 300 |
| HAILAKANDI | 151 | 50.3 | 118 | 39.3 | 27 | 9.0 | 4 | 1.3 | 300 |
| JORHAT | 139 | 46.3 | 136 | 45.3 | 25 | 8.3 | | 0.0 | 300 |
| KAMRUP R | 140 | 46.7 | 112 | 37.3 | 39 | 13.0 | 9 | 3.0 | 300 |
| KAMRUP M | 155 | 51.7 | 96 | 32.0 | 44 | 14.7 | 5 | 1.7 | 300 |
| KARIMGANJ | 154 | 51.3 | 105 | 35.0 | 35 | 11.7 | 6 | 2.0 | 300 |
| KOKRAJHAR | 156 | 55.5 | 106 | 37.7 | 18 | 6.4 | 1 | 0.4 | 281 |
| LAKHIMPUR | 133 | 44.3 | 142 | 47.3 | 24 | 8.0 | 1 | 0.3 | 300 |
| MORIGAON | 231 | 77.0 | 58 | 19.3 | 11 | 3.7 | | 0.0 | 300 |
| NAGAON | 195 | 65.0 | 83 | 27.7 | 21 | 7.0 | 1 | 0.3 | 300 |
| NALBARI | 56 | 18.7 | 192 | 64.0 | 39 | 13.0 | 13 | 4.3 | 300 |
| SIVSAGAR | 62 | 20.5 | 159 | 52.5 | 80 | 26.4 | 2 | 0.7 | 303 |
| SONITPUR | 166 | 55.5 | 116 | 38.8 | 16 | 5.4 | 1 | 0.3 | 299 |
| TINSUKIA | 168 | 56.4 | 93 | 31.2 | 28 | 9.4 | 9 | 3.0 | 298 |
| UDALGURI | 190 | 63.3 | 95 | 31.7 | 14 | 4.7 | 1 | 0.3 | 300 |
| Assam | 3930 | 52.5 | 2728 | 36.5 | 714 | 9.5 | 111 | 1.5 | 7483 |

Coverage Evaluation Survey, Assam-2013 64 | Page

Table 3.2.1 (A): District wise distribution of mothers by number of ANC received during last pregnancy

| | | | | N | umber of A | NC receiv | red | | | | |
|--------------|-----|------|------|------|------------|-----------|-------|------|-------|-----|---------|
| District : | | 1 | 2 | | 3 | | 4 & M | lore | ANC I | Not | Total |
| District. | | | | | | | | | Recei | ved | Numbers |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | |
| BAKSA | 17 | 5.7 | 37 | 12.3 | 113 | 37.7 | 120 | 40.0 | 13 | 4.3 | 300 |
| BARPETA | 18 | 6.0 | 42 | 14.0 | 69 | 23.1 | 155 | 51.8 | 15 | 5.0 | 299 |
| BONGAIGAON | 34 | 11.3 | 56 | 18.7 | 110 | 36.7 | 94 | 31.3 | 6 | 2.0 | 300 |
| CACHAR | 22 | 7.3 | 66 | 21.9 | 113 | 37.5 | 89 | 29.6 | 11 | 3.7 | 301 |
| CHIRANG | 31 | 10.3 | 51 | 16.9 | 74 | 24.6 | 140 | 46.5 | 5 | 1.7 | 301 |
| DARRANG | 15 | 5.0 | 42 | 14.0 | 75 | 25.0 | 154 | 51.3 | 14 | 4.7 | 300 |
| DHEMAJI | 16 | 5.3 | 47 | 15.7 | 112 | 37.3 | 118 | 39.3 | 7 | 2.3 | 300 |
| DHUBRI | 20 | 6.6 | 31 | 10.3 | 36 | 12.0 | 199 | 66.1 | 15 | 5.0 | 301 |
| DIBRUGARH | 9 | 3.0 | 36 | 12.0 | 100 | 33.3 | 149 | 49.7 | 6 | 2.0 | 300 |
| GOALPARA | 30 | 10.0 | 34 | 11.3 | 25 | 8.3 | 205 | 68.3 | 6 | 2.0 | 300 |
| GOLAGHAT | 16 | 5.3 | 27 | 9.0 | 63 | 21.0 | 191 | 63.7 | 3 | 1.0 | 300 |
| HAILAKANDI | 15 | 5.0 | 85 | 28.3 | 115 | 38.3 | 71 | 23.7 | 14 | 4.7 | 300 |
| JORHAT | 15 | 5.0 | 26 | 8.7 | 27 | 9.0 | 230 | 76.7 | 2 | 0.7 | 300 |
| KAMRUP | 11 | 3.7 | 37 | 12.3 | 84 | 28.0 | 163 | 54.3 | 5 | 1.7 | 300 |
| KAMRUP METRO | 10 | 3.3 | 21 | 7.0 | 50 | 16.7 | 216 | 72.0 | 3 | 1.0 | 300 |
| KARIMGANJ | 28 | 9.3 | 50 | 16.7 | 117 | 39.0 | 91 | 30.3 | 14 | 4.7 | 300 |
| KOKRAJHAR | 22 | 7.8 | 35 | 12.5 | 96 | 34.2 | 117 | 41.6 | 11 | 3.9 | 281 |
| LAKHIMPUR | 26 | 8.7 | 26 | 8.7 | 73 | 24.3 | 165 | 55.0 | 10 | 3.3 | 300 |
| MORIGAON | 8 | 2.7 | 78 | 26.0 | 135 | 45.0 | 71 | 23.7 | 8 | 2.7 | 300 |
| NAGAON | 32 | 10.7 | 41 | 13.7 | 70 | 23.3 | 148 | 49.3 | 9 | 3.0 | 300 |
| NALBARI | 23 | 7.7 | 38 | 12.7 | 31 | 10.3 | 203 | 67.7 | 5 | 1.7 | 300 |
| SIVSAGAR | 5 | 1.7 | 36 | 11.9 | 85 | 28.1 | 177 | 58.4 | | 0.0 | 303 |
| SONITPUR | 23 | 7.7 | 20 | 6.7 | 48 | 16.1 | 203 | 67.9 | 5 | 1.7 | 299 |
| TINSUKIA | 17 | 5.7 | 64 | 21.5 | 55 | 18.5 | 153 | 51.3 | 9 | 3.0 | 298 |
| UDALGURI | 48 | 16.0 | 31 | 10.3 | 33 | 11.0 | 176 | 58.7 | 12 | 4.0 | 300 |
| Assam | 511 | 6.8 | 1057 | 14.1 | 1909 | 25.5 | 3798 | 50.8 | 208 | 2.8 | 7483 |

Coverage Evaluation Survey, Assam-2013 65 | Page

Table 3.2.1(B): District wise distribution of mothers by ANC status, 2011 & 2013

| | | | Number | of ANC red | eived 2011 | & 2013 | | | | |
|------------|---------|---------|---------|------------|------------|---------|---------|----------|-----------------|-----------------|
| Districts | 1 | l | 2 | | 3 & r | | ANC Not | Received | Total Sample | Total Sample |
| | 2011-12 | 2012-13 | 2011-12 | 2012-13 | 2011-12 | 2012-13 | 2011-12 | 2012-13 | 2011-12 | 2012-13 |
| BAKSA | 2.3 | 5.7 | 13.3 | 12.3 | 83.7 | 77.7 | 0.7 | 4.3 | 300 | 300 |
| BARPETA | 1.7 | 6.0 | 11.7 | 14.0 | 83.3 | 74.9 | 3.3 | 5.0 | 300 | 299 |
| BONGAIGAON | 5.7 | 11.3 | 20.3 | 18.7 | 68.7 | 68.0 | 5.3 | 2.0 | 300 | 300 |
| CACHAR | 4.3 | 7.3 | 15.3 | 21.9 | 79.0 | 67.1 | 1.3 | 3.7 | 300 | 301 |
| CHIRANG | 2.0 | 10.3 | 21.0 | 16.9 | 73.0 | 71.1 | 4.0 | 1.7 | 300 | 301 |
| DARRANG | 1.7 | 5.0 | 10.7 | 14.0 | 78.0 | 76.3 | 9.7 | 4.7 | 300 | 300 |
| DHEMAJI | 1.0 | 5.3 | 3.7 | 15.7 | 95.3 | 76.7 | 0.0 | 2.3 | 300 | 300 |
| DHUBRI | 2.0 | 6.6 | 8.0 | 10.3 | 87.0 | 78.1 | 3.0 | 5.0 | 300 | 301 |
| DIBRUGARH | 1.3 | 3.0 | 1.7 | 12.0 | 97.0 | 83.0 | 0.0 | 2.0 | 300 | 300 |
| GOALPARA | 7.0 | 10.0 | 12.0 | 11.3 | 74.8 | 76.7 | 6.3 | 2.0 | 301 | 300 |
| GOLAGHAT | 2.0 | 5.3 | 4.0 | 9.0 | 93.3 | 84.7 | 0.7 | 1.0 | 300 | 300 |
| HAILAKANDI | 6.7 | 5.0 | 8.3 | 28.3 | 83.7 | 62.0 | 1.3 | 4.7 | 300 | 300 |
| JORHAT | 1.0 | 5.0 | 4.7 | 8.7 | 94.0 | 85.7 | 0.3 | 0.7 | 300 | 300 |
| KAMRUP R | 0.0 | 3.7 | 7.1 | 12.3 | 92.9 | 82.3 | 0.0 | 1.7 | 297 | 300 |
| KAMRUP M | 3.7 | 3.3 | 7.3 | 7.0 | 86.7 | 88.7 | 2.3 | 1.0 | 301 | 300 |
| KARIMGANJ | 4.0 | 9.3 | 11.7 | 16.7 | 81.3 | 69.3 | 3.0 | 4.7 | 300 | 300 |
| KOKRAJHAR | | 7.8 | | 12.5 | | 75.8 | | 3.9 | | 281 |
| LAKHIMPUR | 2.0 | 8.7 | 2.3 | 8.7 | 95.3 | 79.3 | 0.3 | 3.3 | 300 | 300 |
| MORIGAON | 6.3 | 2.7 | 20.7 | 26.0 | 70.7 | 68.7 | 2.3 | 2.7 | 300 | 300 |
| NAGAON | 6.3 | 10.7 | 25.3 | 13.7 | 64.7 | 72.7 | 3.7 | 3.0 | 300 | 300 |
| NALBARI | 2.3 | 7.7 | 17.0 | 12.7 | 80.3 | 78.0 | 0.3 | 1.7 | 300 | 300 |
| SIVSAGAR | 0.3 | 1.7 | 3.0 | 11.9 | 96.7 | 86.5 | 0.0 | 0.0 | 300 | 303 |
| SONITPUR | 1.0 | 7.7 | 10.0 | 6.7 | 87.7 | 83.9 | 1.3 | 1.7 | 300 | 299 |
| TINSUKIA | 2.0 | 5.7 | 6.0 | 21.5 | 91.3 | 69.8 | 0.7 | 3.0 | 300 | 298 |
| UDALGURI | 4.3 | 16.0 | 17.3 | 10.3 | 74.3 | 69.7 | 4.0 | 4.0 | 300 | 300 |
| Assam | 3.0 | 6.8 | 10.9 | 14.1 | 83.9 | 76.3 | 2.3 | 2.8 | 7199 | 7483 |

Coverage Evaluation Survey, Assam-2013 66 | Page

Table 3.2.1(C): District wise distribution of mothers who received 3 or more ANC by Religion, Caste, Order of Birth & Age Group

| Туре | Category | No. of PW | 3 or more Al | NC by PW |
|-------------|------------|-----------|--------------|----------|
| | | | No. | PC |
| | Hindu | 4800 | 3984 | 83 |
| RELIGION | Muslim | 2412 | 1785 | 74 |
| KELIGION | Christian | 224 | 143 | 64 |
| | Others | 47 | 35 | 75 |
| | General | 3258 | 2574 | 79 |
| | OBC | 1498 | 1198 | 80 |
| CASTE | SC | 1008 | 786 | 78 |
| | ST | 1233 | 1023 | 83 |
| | Others | 486 | 350 | 72 |
| | 1st | 3442 | 3029 | 88 |
| | 2nd | 2544 | 2162 | 85 |
| BIRTH ORDER | 3rd | 876 | 701 | 80 |
| | 4th | 419 | 302 | 72 |
| | 5th & more | 202 | 121 | 60 |
| | Upto 19 | 414 | 306 | 74 |
| | 20 to 24 | 2825 | 2288 | 81 |
| AGE GROUP | 25 to 29 | 3192 | 2554 | 80 |
| | 30 to 34 | 753 | 565 | 75 |
| | 35 & above | 299 | 212 | 71 |

Coverage Evaluation Survey, Assam-2013 67 | Page

Table 3.2.2: District wise distribution of mothers by registration of 1st ANC

| | | Д | NC received | during | | | Mothers |
|------------|----------|--------|-------------|--------|----------|--------|------------|
| District : | 1st Trin | nester | 2nd Trir | nester | 3rd Trin | nester | registered |
| | No. | PC | No. | PC | No. | PC | for ANC |
| BAKSA | 167 | 58.2 | 113 | 39.4 | 7 | 2.4 | 287 |
| BARPETA | 161 | 56.7 | 121 | 42.6 | 2 | 0.7 | 284 |
| BONGAIGAON | 149 | 50.7 | 132 | 44.9 | 13 | 4.4 | 294 |
| CACHAR | 186 | 64.1 | 101 | 34.8 | 3 | 1.0 | 290 |
| CHIRANG | 149 | 50.3 | 141 | 47.6 | 6 | 2.0 | 296 |
| DARRANG | 135 | 47.2 | 147 | 51.4 | 4 | 1.4 | 286 |
| DHEMAJI | 201 | 68.6 | 87 | 29.7 | 5 | 1.7 | 293 |
| DHUBRI | 102 | 35.7 | 178 | 62.2 | 6 | 2.1 | 286 |
| DIBRUGARH | 236 | 80.3 | 54 | 18.4 | 4 | 1.4 | 294 |
| GOALPARA | 232 | 78.9 | 54 | 18.4 | 8 | 2.7 | 294 |
| GOLAGHAT | 239 | 80.5 | 57 | 19.2 | 1 | 0.3 | 297 |
| HAILAKANDI | 185 | 64.7 | 98 | 34.3 | 3 | 1.0 | 286 |
| JORHAT | 213 | 71.5 | 80 | 26.8 | 5 | 1.7 | 298 |
| KAMRUP R | 203 | 68.8 | 88 | 29.8 | 4 | 1.4 | 295 |
| KAMRUP M | 176 | 59.3 | 116 | 39.1 | 5 | 1.7 | 297 |
| KARIMGANJ | 155 | 54.2 | 129 | 45.1 | 2 | 0.7 | 286 |
| KOKRAJHAR | 199 | 73.7 | 69 | 25.6 | 2 | 0.7 | 270 |
| LAKHIMPUR | 121 | 41.7 | 160 | 55.2 | 9 | 3.1 | 290 |
| MORIGAON | 142 | 48.6 | 139 | 47.6 | 11 | 3.8 | 292 |
| NAGAON | 179 | 61.5 | 108 | 37.1 | 4 | 1.4 | 291 |
| NALBARI | 228 | 77.3 | 65 | 22.0 | 2 | 0.7 | 295 |
| SIVSAGAR | 143 | 47.2 | 159 | 52.5 | 1 | 0.3 | 303 |
| SONITPUR | 181 | 61.6 | 112 | 38.1 | 1 | 0.3 | 294 |
| TINSUKIA | 175 | 60.6 | 105 | 36.3 | 9 | 3.1 | 289 |
| UDALGURI | 169 | 58.7 | 114 | 39.6 | 5 | 1.7 | 288 |
| Assam | 4426 | 60.8 | 2727 | 37.5 | 122 | 1.7 | 7275 |

Coverage Evaluation Survey, Assam-2013 68 | Page

3.2.3: District wise distribution of mothers by source of information for ANC

| | | | | | S | ource o | f infor | matio | n abou | ıt AN | 2 | | | | | | |
|------------|------|-------|-----|-----|------|---------|---------|-------|--------|-------|-----|------|-----|------|-----|-----|------------|
| | | | | | Pub | | | | P۱ | /t | | | Fan | nilv | | | Mothers |
| District : | AS | HA | AN | M | Faci | • | AW | /W | Doc | | SE | ELF | mem | • | Oth | ers | registered |
| | | | | | Doc | | | 1 | | | | | | | | 1 | for ANC |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | |
| BAKSA | 265 | 92.3 | 19 | 6.6 | | | | | | | 3 | 1.0 | | | | | 287 |
| BARPETA | 245 | 86.3 | 7 | 2.5 | 1 | 0.4 | | 0.0 | 2 | 0.7 | 10 | 3.5 | 19 | 6.7 | | | 284 |
| BONGAIGAON | 272 | 92.5 | 1 | 0.3 | 1 | 0.3 | 2 | 0.7 | 2 | 0.7 | 16 | 5.4 | | 0.0 | | | 294 |
| CACHAR | 213 | 73.4 | 4 | 1.4 | 7 | 2.4 | 1 | 0.3 | 8 | 2.8 | 32 | 11.0 | 21 | 7.2 | 4 | 1.4 | 290 |
| CHIRANG | 296 | 100.0 | | | | | | | | | | | | | | | 296 |
| DARRANG | 281 | 98.3 | 3 | 1.0 | | | | | | | 2 | 0.7 | | | | | 286 |
| DHEMAJI | 277 | 94.5 | 2 | 0.7 | 2 | 0.7 | | | | | 11 | 3.8 | 1 | 0.3 | | | 293 |
| DHUBRI | 283 | 99.0 | | 0.0 | 1 | 0.3 | 2 | 0.7 | | | | | | | | | 286 |
| DIBRUGARH | 257 | 87.4 | 15 | 5.1 | | | 1 | 0.3 | 5 | 1.7 | 15 | 5.1 | 1 | 0.3 | | | 294 |
| GOALPARA | 293 | 99.7 | | | | | | 0.0 | | | 1 | 0.3 | | | | | 294 |
| GOLAGHAT | 206 | 69.4 | 9 | 3.0 | | | 3 | 1.0 | | | 75 | 25.3 | 4 | 1.3 | | | 297 |
| HAILAKANDI | 207 | 72.4 | 1 | 0.3 | | | | | 6 | 2.1 | 47 | 16.4 | 24 | 8.4 | 1 | 0.3 | 286 |
| JORHAT | 227 | 76.2 | 18 | 6.0 | | | 2 | 0.7 | | | 47 | 15.8 | 4 | 1.3 | | | 298 |
| KAMRUP | 278 | 94.2 | 3 | 1.0 | 4 | 1.4 | 2 | 0.7 | 4 | 1.4 | 3 | 1.0 | 1 | 0.3 | | | 295 |
| KAMRUP | | | | | | | | | | | | | | | | | |
| METRO | 225 | 75.8 | 1 | 0.3 | | | | 0.0 | 4 | 1.3 | 42 | 14.1 | 25 | 8.4 | | | 297 |
| KARIMGANJ | 214 | 74.8 | 8 | 2.8 | 8 | 2.8 | 7 | 2.4 | 2 | 0.7 | 30 | 10.5 | 16 | 5.6 | 1 | 0.3 | 286 |
| KOKRAJHAR | 267 | 98.9 | | 0.0 | | | 2 | 0.7 | | | 1 | 0.4 | | | | | 270 |
| LAKHIMPUR | 269 | 92.8 | 11 | 3.8 | 1 | 0.3 | | | | | 8 | 2.8 | 1 | 0.3 | | | 290 |
| MORIGAON | 263 | 90.1 | 7 | 2.4 | 1 | 0.3 | 3 | 1.0 | | | 7 | 2.4 | 10 | 3.4 | 1 | 0.3 | 292 |
| NAGAON | 248 | 85.2 | 8 | 2.7 | 3 | 1.0 | 11 | 3.8 | 1 | 0.3 | 10 | 3.4 | 7 | 2.4 | 3 | 1.0 | 291 |
| NALBARI | 255 | 86.4 | 15 | 5.1 | 2 | 0.7 | 1 | 0.3 | | | | | 22 | 7.5 | | | 295 |
| SIVSAGAR | 290 | 95.7 | 11 | 3.6 | 1 | 0.3 | 1 | 0.3 | | | | | | | | | 303 |
| SONITPUR | 259 | 88.1 | 9 | 3.1 | 2 | 0.7 | 10 | 3.4 | | | 10 | 3.4 | 1 | 0.3 | 3 | 1.0 | 294 |
| TINSUKIA | 249 | 86.2 | 1 | 0.3 | 5 | 1.7 | 3 | 1.0 | 1 | 0.3 | 26 | 9.0 | 4 | 1.4 | | | 289 |
| UDALGURI | 264 | 91.7 | 7 | 2.4 | 2 | 0.7 | 8 | 2.8 | | | 7 | 2.4 | | | | | 288 |
| Assam | 6403 | 88.0 | 160 | 2.2 | 41 | 0.6 | 59 | 0.8 | 35 | 0.5 | 403 | 5.5 | 161 | 2.2 | 13 | 0.2 | 7275 |

Coverage Evaluation Survey, Assam-2013 69 | Page

3.2.4: District wise distribution of mothers by place of registration for ANC

| | | | | | | Place o | f Registi | ration fo | r ANC | | | | | | Mothers |
|------------|--------|--------|------|------|------|---------|-----------|-----------|-------|--------|-----|------|-----|------|------------|
| Diatriat . | | | | | | | | | Othe | r Govt | | | | | |
| District : | During | y VHND | SC | | PHC/ | CHC | SDH | / DH | faci | lities | Pri | vate | Otl | ners | registered |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | for ANC |
| BAKSA | 75 | 26.1 | 157 | 54.7 | 38 | 13.2 | 3 | 1.0 | 3 | 1.0 | | 0.0 | 11 | 3.8 | 287 |
| BARPETA | 54 | 19.0 | 126 | 44.4 | 78 | 27.5 | 11 | 3.9 | 13 | 4.6 | 2 | 0.7 | 0 | 0.0 | 284 |
| BONGAIGAON | 45 | 15.3 | 159 | 54.1 | 48 | 16.3 | 9 | 3.1 | 11 | 3.7 | 7 | 2.4 | 15 | 5.1 | 294 |
| CACHAR | 19 | 6.6 | 116 | 40.0 | 70 | 24.1 | 7 | 2.4 | 30 | 10.3 | 16 | 5.5 | 32 | 11.0 | 290 |
| CHIRANG | 4 | 1.4 | 246 | 83.1 | 16 | 5.4 | 29 | 9.8 | 1 | 0.3 | | 0.0 | 0 | 0.0 | 296 |
| DARRANG | 35 | 12.2 | 187 | 65.4 | 49 | 17.1 | 11 | 3.8 | 2 | 0.7 | 2 | 0.7 | 0 | 0.0 | 286 |
| DHEMAJI | 63 | 21.5 | 139 | 47.4 | 55 | 18.8 | 20 | 6.8 | | 0.0 | 7 | 2.4 | 9 | 3.1 | 293 |
| DHUBRI | 12 | 4.2 | 239 | 83.6 | 21 | 7.3 | 6 | 2.1 | 8 | 2.8 | | 0.0 | 0 | 0.0 | 286 |
| DIBRUGARH | 10 | 3.4 | 142 | 48.3 | 78 | 26.5 | 20 | 6.8 | 16 | 5.4 | 16 | 5.4 | 12 | 4.1 | 294 |
| GOALPARA | 5 | 1.7 | 257 | 87.4 | 14 | 4.8 | 10 | 3.4 | 7 | 2.4 | 1 | 0.3 | 0 | 0.0 | 294 |
| GOLAGHAT | 61 | 20.5 | 124 | 41.8 | 58 | 19.5 | 12 | 4.0 | 18 | 6.1 | 16 | 5.4 | 8 | 2.7 | 297 |
| HAILAKANDI | 62 | 21.7 | 61 | 21.3 | 79 | 27.6 | 31 | 10.8 | 16 | 5.6 | 23 | 8.0 | 14 | 4.9 | 286 |
| JORHAT | 92 | 30.9 | 129 | 43.3 | 54 | 18.1 | 4 | 1.3 | 14 | 4.7 | 1 | 0.3 | 4 | 1.3 | 298 |
| KAMRUP R | 6 | 2.0 | 236 | 80.0 | 37 | 12.5 | 4 | 1.4 | 1 | 0.3 | 3 | 1.0 | 8 | 2.7 | 295 |
| KAMRUP M | 36 | 12.1 | 59 | 19.9 | 73 | 24.6 | 11 | 3.7 | 62 | 20.9 | 41 | 13.8 | 15 | 5.1 | 297 |
| KARIMGANJ | 11 | 3.8 | 86 | 30.1 | 45 | 15.7 | 29 | 10.1 | 44 | 15.4 | 28 | 9.8 | 43 | 15.0 | 286 |
| KOKRAJHAR | 35 | 13.0 | 191 | 70.7 | 33 | 12.2 | 4 | 1.5 | 1 | 0.4 | 6 | 2.2 | 0 | 0.0 | 270 |
| LAKHIMPUR | 17 | 5.9 | 180 | 62.1 | 71 | 24.5 | 11 | 3.8 | | 0.0 | 7 | 2.4 | 4 | 1.4 | 290 |
| MORIGAON | 16 | 5.5 | 136 | 46.6 | 76 | 26.0 | 24 | 8.2 | 21 | 7.2 | 1 | 0.3 | 18 | 6.2 | 292 |
| NAGAON | 12 | 4.1 | 96 | 33.0 | 111 | 38.1 | 31 | 10.7 | 13 | 4.5 | 21 | 7.2 | 7 | 2.4 | 291 |
| NALBARI | 35 | 11.9 | 77 | 26.1 | 98 | 33.2 | 52 | 17.6 | 2 | 0.7 | 11 | 3.7 | 20 | 6.8 | 295 |
| SIVSAGAR | 9 | 3.0 | 194 | 64.0 | 57 | 18.8 | | 0.0 | | 0.0 | 24 | 7.9 | 19 | 6.3 | 303 |
| SONITPUR | 21 | 7.1 | 127 | 43.2 | 100 | 34.0 | 12 | 4.1 | 1 | 0.3 | 5 | 1.7 | 28 | 9.5 | 294 |
| TINSUKIA | 18 | 6.2 | 182 | 63.0 | 55 | 19.0 | 16 | 5.5 | 1 | 0.3 | 16 | 5.5 | 1 | 0.3 | 289 |
| UDALGURI | 28 | 9.7 | 159 | 55.2 | 84 | 29.2 | | 0.0 | 8 | 2.8 | 6 | 2.1 | 3 | 1.0 | 288 |
| Assam | 781 | 10.7 | 3805 | 52.3 | 1498 | 20.6 | 367 | 5.0 | 293 | 4.0 | 260 | 3.6 | 271 | 3.7 | 7275 |

Coverage Evaluation Survey, Assam-2013 70 | Page

Table 3.2.5: District wise distribution of mothers by Place of ANC received

| | | | | | | | F | Place of | ANC | | | | | | | | Mothers |
|------------|------------|------|-------|-----|------|------|------|----------|-----|------|-----|--------------------|-----|------|-----|------|------------|
| District : | Dur VHI | • | At ho | _ | S | 2 | PHC/ | CHC | SDF | I/DH | | r Govt. Ilities | Pri | vate | Otl | hers | registered |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | for ANC |
| BAKSA | 97 | 33.8 | 1 | 0.3 | 205 | 71.4 | 191 | 66.6 | 10 | 3.5 | 2 | 0.7 | 7 | 2.4 | 12 | 4.2 | 287 |
| BARPETA | 51 | 18.0 | 8 | 2.8 | 169 | 59.5 | 133 | 46.8 | 14 | 4.9 | | | 15 | 5.3 | | 0.0 | 284 |
| BONGAIGAON | 48 | 16.3 | 2 | 0.7 | 143 | 48.6 | 63 | 21.4 | 19 | 6.5 | 9 | 3.1 | 26 | 8.8 | 19 | 6.5 | 294 |
| CACHAR | 26 | 9.0 | 4 | 1.4 | 109 | 37.6 | 77 | 26.6 | 5 | 1.7 | 32 | 11.0 | 47 | 16.2 | 18 | 6.2 | 290 |
| CHIRANG | 29 | 9.8 | 1 | 0.3 | 248 | 83.8 | 21 | 7.1 | 32 | 10.8 | | 0.0 | 11 | 3.7 | | 0.0 | 296 |
| DARRANG | 97 | 33.9 | 2 | 0.7 | 252 | 88.1 | 111 | 38.8 | 49 | 17.1 | 2 | 0.7 | 13 | 4.5 | 1 | 0.3 | 286 |
| DHEMAJI | 45 | 15.4 | 6 | 2.0 | 119 | 40.6 | 118 | 40.3 | 30 | 10.2 | 1 | 0.3 | 15 | 5.1 | 2 | 0.7 | 293 |
| DHUBRI | 86 | 30.1 | 1 | 0.3 | 245 | 85.7 | 31 | 10.8 | 30 | 10.5 | 7 | 2.4 | 13 | 4.5 | | 0.0 | 286 |
| DIBRUGARH | 33 | 11.2 | 18 | 6.1 | 201 | 68.4 | 153 | 52.0 | 28 | 9.5 | 6 | 2.0 | 24 | 8.2 | 6 | 2.0 | 294 |
| GOALPARA | 124 | 42.2 | 1 | 0.3 | 265 | 90.0 | 55 | 18.7 | 20 | 6.8 | 18 | 6.1 | 26 | 8.8 | | 0.0 | 294 |
| GOLAGHAT | 223 | 75.1 | 11 | 3.7 | 189 | 63.6 | 148 | 49.8 | 14 | 4.7 | 52 | 17.5 | 18 | 6.1 | 1 | 0.3 | 297 |
| HAILAKANDI | 70 | 24.5 | 1 | 0.3 | 61 | 21.3 | 94 | 32.9 | 32 | 11.2 | 19 | 6.6 | 47 | 16.4 | 15 | 5.2 | 286 |
| JORHAT | 251 | 84.2 | 15 | 5.0 | 211 | 70.8 | 93 | 31.2 | 20 | 6.7 | 37 | 12.4 | 48 | 16.1 | | 0.0 | 298 |
| KAMRUP R | 40 | 13.6 | 20 | 6.8 | 241 | 81.7 | 225 | 76.3 | 7 | 2.4 | 20 | 6.8 | 24 | 8.1 | 6 | 2.0 | 295 |
| KAMRUP M | 56 | 18.9 | 1 | 0.3 | 84 | 28.3 | 127 | 42.8 | 9 | 3.0 | 152 | 51.2 | 67 | 22.6 | 19 | 6.4 | 297 |
| KARIMGANJ | 36 | 12.6 | 1 | 0.3 | 77 | 26.9 | 16 | 5.6 | 15 | 5.2 | 92 | 32.2 | 36 | 12.6 | 40 | 14.0 | 286 |
| KOKRAJHAR | 86 | 31.9 | 1 | 0.4 | 192 | 71.1 | 36 | 13.3 | 15 | 5.6 | | | 17 | 6.3 | 2 | 0.7 | 270 |
| LAKHIMPUR | 11 | 3.8 | 4 | 1.4 | 174 | 60.0 | 109 | 37.6 | 11 | 3.8 | | | 15 | 5.2 | 7 | 2.4 | 290 |
| MORIGAON | 18 | 6.2 | 13 | 4.5 | 140 | 47.9 | 203 | 69.5 | 19 | 6.5 | 19 | 6.5 | 18 | 6.2 | 10 | 3.4 | 292 |
| NAGAON | 14 | 4.8 | 4 | 1.4 | 111 | 38.1 | 202 | 69.4 | 45 | 15.5 | 15 | 5.2 | 15 | 5.2 | 1 | 0.3 | 291 |
| NALBARI | 53 | 18.0 | 2 | 0.7 | 83 | 28.1 | 91 | 30.8 | 50 | 16.9 | 1 | 0.3 | 12 | 4.1 | 20 | 6.8 | 295 |
| SIVSAGAR | 53 | 17.5 | 12 | 4.0 | 249 | 82.2 | 235 | 77.6 | 22 | 7.3 | | 0.0 | 38 | 12.5 | 44 | 14.5 | 303 |
| SONITPUR | 12 | 4.1 | 8 | 2.7 | 183 | 62.2 | 234 | 79.6 | 48 | 16.3 | 5 | 1.7 | 22 | 7.5 | 40 | 13.6 | 294 |
| TINSUKIA | 16 | 5.5 | 3 | 1.0 | 184 | 63.7 | 55 | 19.0 | 36 | 12.5 | 3 | 1.0 | 22 | 7.6 | | 0.0 | 289 |
| UDALGURI | 46 | 16.0 | 1 | 0.3 | 191 | 66.3 | 193 | 67.0 | 43 | 14.9 | 13 | 4.5 | 17 | 5.9 | 37 | 12.8 | 288 |
| Assam | 1621 | 22.3 | 141 | 1.9 | 4326 | 59.5 | 3014 | 41.4 | 623 | 8.6 | 505 | 6.9 | 613 | 8.4 | 300 | 4.1 | 7275 |

Coverage Evaluation Survey, Assam-2013 71 | Page

Table 3.2.6 (A): District wise distribution of mothers according various services provided & examinations undergone during ANC

| | | | | | | Ser | vices pro | ovided du | ring ANC | | | | | | |
|------------|-------|------|--------|-------|--------|-------|-----------|-----------|----------|-------|------|------|--------|------------|------------|
| Diatriat : | Givin | g TT | Giving | g 100 | BP Che | ck up | Weigh | t Taken | Urine S | ample | Abdo | men | Blood | sample for | Mothers |
| District : | injec | tion | IFA Ta | blets | | | | | Exam | ined | Exam | ined | checki | ng anemia | registered |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | for ANC |
| BAKSA | 257 | 89.5 | 246 | 85.7 | 285 | 99.3 | 278 | 96.9 | 241 | 84.0 | 285 | 99.3 | 214 | 74.6 | 287 |
| BARPETA | 251 | 88.4 | 242 | 85.2 | 281 | 98.9 | 237 | 83.5 | 143 | 50.4 | 205 | 72.2 | 222 | 78.2 | 284 |
| BONGAIGAON | 279 | 94.9 | 236 | 80.3 | 291 | 99.0 | 278 | 94.6 | 194 | 66.0 | 223 | 75.9 | 212 | 72.1 | 294 |
| CACHAR | 279 | 96.2 | 216 | 74.5 | 278 | 95.9 | 241 | 83.1 | 145 | 50.0 | 244 | 84.1 | 219 | 75.5 | 290 |
| CHIRANG | 276 | 93.2 | 274 | 92.6 | 281 | 94.9 | 284 | 95.9 | 227 | 76.7 | 179 | 60.5 | 222 | 75.0 | 296 |
| DARRANG | 276 | 96.5 | 234 | 81.8 | 282 | 98.6 | 282 | 98.6 | 226 | 79.0 | 279 | 97.6 | 206 | 72.0 | 286 |
| DHEMAJI | 278 | 94.9 | 234 | 79.9 | 277 | 94.5 | 256 | 87.4 | 224 | 76.5 | 262 | 89.4 | 186 | 63.5 | 293 |
| DHUBRI | 273 | 95.5 | 226 | 79.0 | 281 | 98.3 | 274 | 95.8 | 167 | 58.4 | 264 | 92.3 | 267 | 93.4 | 286 |
| DIBRUGARH | 284 | 96.6 | 234 | 79.6 | 259 | 88.1 | 252 | 85.7 | 205 | 69.7 | 239 | 81.3 | 229 | 77.9 | 294 |
| GOALPARA | 284 | 96.6 | 219 | 74.5 | 279 | 94.9 | 280 | 95.2 | 119 | 40.5 | 274 | 93.2 | 254 | 86.4 | 294 |
| GOLAGHAT | 292 | 98.3 | 274 | 92.3 | 293 | 98.7 | 297 | 100.0 | 275 | 92.6 | 287 | 96.6 | 290 | 97.6 | 297 |
| HAILAKANDI | 269 | 94.1 | 230 | 80.4 | 253 | 88.5 | 236 | 82.5 | 261 | 91.3 | 198 | 69.2 | 236 | 82.5 | 286 |
| JORHAT | 284 | 95.3 | 219 | 73.5 | 291 | 97.7 | 293 | 98.3 | 294 | 98.7 | 269 | 90.3 | 292 | 98.0 | 298 |
| KAMRUP R | 281 | 95.3 | 236 | 80.0 | 294 | 99.7 | 287 | 97.3 | 248 | 84.1 | 276 | 93.6 | 269 | 91.2 | 295 |
| KAMRUP M | 286 | 96.3 | 223 | 75.1 | 296 | 99.7 | 296 | 99.7 | 273 | 91.9 | 282 | 94.9 | 291 | 98.0 | 297 |
| KARIMGANJ | 272 | 95.1 | 213 | 74.5 | 273 | 95.5 | 225 | 78.7 | 141 | 49.3 | 138 | 48.3 | 187 | 65.4 | 286 |
| KOKRAJHAR | 261 | 96.7 | 216 | 80.0 | 269 | 99.6 | 252 | 93.3 | 179 | 66.3 | 189 | 70.0 | 175 | 64.8 | 270 |
| LAKHIMPUR | 274 | 94.5 | 219 | 75.5 | 260 | 89.7 | 262 | 90.3 | 164 | 56.6 | 215 | 74.1 | 244 | 84.1 | 290 |
| MORIGAON | 283 | 96.9 | 203 | 69.5 | 272 | 93.2 | 279 | 95.5 | 155 | 53.1 | 261 | 89.4 | 258 | 88.4 | 292 |
| NAGAON | 261 | 89.7 | 209 | 71.8 | 287 | 98.6 | 279 | 95.9 | 152 | 52.2 | 280 | 96.2 | 221 | 75.9 | 291 |
| NALBARI | 269 | 91.2 | 234 | 79.3 | 278 | 94.2 | 286 | 96.9 | 203 | 68.8 | 244 | 82.7 | 227 | 76.9 | 295 |
| SIVSAGAR | 284 | 93.7 | 256 | 84.5 | 250 | 82.5 | 217 | 71.6 | 218 | 71.9 | 217 | 71.6 | 247 | 81.5 | 303 |
| SONITPUR | 276 | 93.9 | 262 | 89.1 | 287 | 97.6 | 286 | 97.3 | 210 | 71.4 | 292 | 99.3 | 242 | 82.3 | 294 |
| TINSUKIA | 279 | 96.5 | 241 | 83.4 | 273 | 94.5 | 273 | 94.5 | 196 | 67.8 | 244 | 84.4 | 219 | 75.8 | 289 |
| UDALGURI | 268 | 93.1 | 234 | 81.3 | 281 | 97.6 | 284 | 98.6 | 137 | 47.6 | 224 | 77.8 | 205 | 71.2 | 288 |
| Assam | 6876 | 94.5 | 5830 | 80.1 | 6951 | 95.5 | 6714 | 92.3 | 4997 | 68.7 | 6070 | 83.4 | 5834 | 80.2 | 7275 |

Coverage Evaluation Survey, Assam-2013 72 | Page

Table 3.2.6(B): District wise distribution of mothers by health education & advice received

| | | | Examinatio | ns & Healt | h Education | Received | | | |
|------------|------------|----------|------------|------------|-------------|----------|----------|----------|------------|
| | Told abou | t danger | Told a | bout | To delive | r nearby | Advised | about | Mothers |
| District : | sign of pr | egnancy | expected | date of | faci | lity | proper n | utrition | registered |
| | | | deliv | ery | | | | | for ANC |
| | No. | PC | No. | PC | No. | PC | No. | PC | |
| BAKSA | 185 | 64.5 | 193 | 67.2 | 162 | 56.4 | 142 | 49.5 | 287 |
| BARPETA | 164 | 57.7 | 170 | 59.9 | 141 | 49.6 | 117 | 41.2 | 284 |
| BONGAIGAON | 174 | 59.2 | 182 | 61.9 | 149 | 50.7 | 149 | 50.7 | 294 |
| CACHAR | 192 | 66.2 | 200 | 69.0 | 169 | 58.3 | 145 | 50.0 | 290 |
| CHIRANG | 164 | 55.4 | 172 | 58.1 | 141 | 47.6 | 139 | 47.0 | 296 |
| DARRANG | 183 | 64.0 | 191 | 66.8 | 142 | 49.7 | 158 | 55.2 | 286 |
| DHEMAJI | 208 | 71.0 | 216 | 73.7 | 166 | 56.7 | 162 | 55.3 | 293 |
| DHUBRI | 174 | 60.8 | 182 | 63.6 | 151 | 52.8 | 149 | 52.1 | 286 |
| DIBRUGARH | 209 | 71.1 | 213 | 72.4 | 174 | 59.2 | 145 | 49.3 | 294 |
| GOALPARA | 174 | 59.2 | 182 | 61.9 | 151 | 51.4 | 149 | 50.7 | 294 |
| GOLAGHAT | 219 | 73.7 | 227 | 76.4 | 156 | 52.5 | 194 | 65.3 | 297 |
| HAILAKANDI | 149 | 52.1 | 157 | 54.9 | 126 | 44.1 | 124 | 43.4 | 286 |
| JORHAT | 229 | 76.8 | 233 | 78.2 | 115 | 38.6 | 141 | 47.3 | 298 |
| KAMRUP R | 224 | 75.9 | 232 | 78.6 | 144 | 48.8 | 143 | 48.5 | 295 |
| KAMRUP M | 216 | 72.7 | 224 | 75.4 | 101 | 34.0 | 121 | 40.7 | 297 |
| KARIMGANJ | 132 | 46.2 | 140 | 49.0 | 109 | 38.1 | 107 | 37.4 | 286 |
| KOKRAJHAR | 162 | 60.0 | 170 | 63.0 | 139 | 51.5 | 137 | 50.7 | 270 |
| LAKHIMPUR | 169 | 58.3 | 177 | 61.0 | 146 | 50.3 | 144 | 49.7 | 290 |
| MORIGAON | 261 | 89.4 | 269 | 92.1 | 148 | 50.7 | 121 | 41.4 | 292 |
| NAGAON | 186 | 63.9 | 197 | 67.7 | 163 | 56.0 | 164 | 56.4 | 291 |
| NALBARI | 189 | 64.1 | 197 | 66.8 | 166 | 56.3 | 122 | 41.4 | 295 |
| SIVSAGAR | 217 | 71.6 | 225 | 74.3 | 144 | 47.5 | 136 | 44.9 | 303 |
| SONITPUR | 212 | 72.1 | 212 | 72.1 | 136 | 46.3 | 156 | 53.1 | 294 |
| TINSUKIA | 184 | 63.7 | 192 | 66.4 | 161 | 55.7 | 131 | 45.3 | 289 |
| UDALGURI | 165 | 57.3 | 173 | 60.1 | 142 | 49.3 | 140 | 48.6 | 288 |
| Assam | 4741 | 65.2 | 4926 | 67.7 | 3642 | 50.1 | 3536 | 48.6 | 7275 |

Coverage Evaluation Survey, Assam-2013 73 | Page

Table 3.2.7: District wise distribution of mothers by reasons for no ANC

| | | | Reason | s for Non ANG | C | | | |
|------------|--------------------------|----------------------------------|---------------------|----------------------|----------------------|-----------------------------|--------|-----------------|
| | Do not feel necessary | Lack of knowledge about services | Family tradition | Facility is very far | Financial problem | No one to accompany for ANC | Others | ANC Not Done |
| Districts | No. | No. | No. | No. | No. | No. | No. | |
| BAKSA | 2 | 4 | 3 | 4 | 2 | 1 | 2 | 13 |
| BARPETA | 6 | 2 | 4 | 2 | 2 | 2 | | 15 |
| BONGAIGAON | 3 | 1 | 1 | 2 | 1 | | | 6 |
| CACHAR | 2 | 1 | 1 | 2 | 1 | 1 | 3 | 11 |
| CHIRANG | 2 | 3 | 1 | 2 | | | 1 | 5 |
| DARRANG | 7 | 6 | | 2 | 3 | 2 | 1 | 14 |
| DHEMAJI | 1 | 2 | | 3 | 2 | | | 7 |
| DHUBRI | 3 | 2 | 4 | 4 | 4 | 1 | | 15 |
| DIBRUGARH | 1 | | | 2 | 3 | | | 6 |
| GOALPARA | | 1 | 2 | 2 | 1 | 1 | 1 | 6 |
| GOLAGHAT | 2 | | | | 1 | | | 3 |
| HAILAKANDI | 2 | | 3 | 6 | 4 | 1 | 1 | 14 |
| JORHAT | 1 | 1 | | | | | | 2 |
| KAMRUP R | | | | | | | | 5 |
| KAMRUP M | 2 | 2 | 1 | 1 | | 1 | | 3 |
| KARIMGANJ | 4 | 2 | 3 | | | 3 | | 14 |
| KOKRAJHAR | 2 | 2 | 1 | 1 | | | 6 | 11 |
| LAKHIMPUR | 1 | 2 | | 2 | | 3 | 2 | 10 |
| MORIGAON | 2 | 3 | | 1 | 1 | | 1 | 8 |
| NAGAON | 4 | 3 | | | | 3 | 1 | 9 |
| NALBARI | 1 | 1 | | | 2 | 2 | | 5 |
| SIVSAGAR | | | | | | | | |
| SONITPUR | 2 | 2 | | | 1 | | | 5 |
| TINSUKIA | 2 | 1 | | | 3 | 1 | 2 | 9 |
| UDALGURI | 4 | 1 | | 3 | 3 | 1 | | 12 |
| Assam | 56 | 42 | 24 | 39 | 34 | 23 | 21 | 208 |

Coverage Evaluation Survey, Assam-2013 74 | Page

Table 3.2.8: District wise distribution of mothers accompanying by ASHA during ANC

| | ASHA Accompa | nying during ANC | |
|------------|--------------|------------------|---------------|
| Districts | | | Total Numbers |
| | No. | PC | |
| BAKSA | 252 | 87.8 | 287 |
| BARPETA | 267 | 94.0 | 284 |
| BONGAIGAON | 235 | 79.9 | 294 |
| CACHAR | 246 | 84.8 | 290 |
| CHIRANG | 249 | 84.1 | 296 |
| DARRANG | 212 | 74.1 | 286 |
| DHEMAJI | 272 | 92.8 | 293 |
| DHUBRI | 239 | 83.6 | 286 |
| DIBRUGARH | 238 | 81.0 | 294 |
| GOALPARA | 196 | 66.7 | 294 |
| GOLAGHAT | 222 | 74.7 | 297 |
| HAILAKANDI | 231 | 80.8 | 286 |
| JORHAT | 266 | 89.3 | 298 |
| KAMRUP R | 243 | 82.4 | 295 |
| KAMRUP M | 61 | 20.5 | 297 |
| KARIMGANJ | 188 | 69.6 | 270 |
| KOKRAJHAR | 223 | 78.0 | 286 |
| LAKHIMPUR | 281 | 96.9 | 290 |
| MORIGAON | 242 | 82.9 | 292 |
| NAGAON | 246 | 84.5 | 291 |
| NALBARI | 239 | 81.0 | 295 |
| SIVSAGAR | 261 | 86.1 | 303 |
| SONITPUR | 261 | 88.8 | 294 |
| TINSUKIA | 286 | 99.0 | 289 |
| UDALGURI | 247 | 85.8 | 288 |
| Assam | 5903 | 81.1 | 7275 |

Coverage Evaluation Survey, Assam-2013 75 | Page

Table 3.3.1(A): District wise distributions of mothers by place of delivery

| | | Place of | Last Delivery | | Total |
|------------|--------|----------|---------------|-------------|----------|
| District : | Home I | Delivery | Institution | al Delivery | Mothers |
| | No. | PC | No. | PC | surveyed |
| BAKSA | 95 | 31.7 | 205 | 68.3 | 300 |
| BARPETA | 102 | 34.1 | 197 | 65.9 | 299 |
| BONGAIGAON | 72 | 24.0 | 228 | 76.0 | 300 |
| CACHAR | 67 | 22.3 | 234 | 77.7 | 301 |
| CHIRANG | 87 | 28.9 | 214 | 71.1 | 301 |
| DARRANG | 71 | 23.7 | 229 | 76.3 | 300 |
| DHEMAJI | 40 | 13.3 | 260 | 86.7 | 300 |
| DHUBRI | 125 | 41.5 | 176 | 58.5 | 301 |
| DIBRUGARH | 26 | 8.7 | 274 | 91.3 | 300 |
| GOALPARA | 76 | 25.3 | 224 | 74.7 | 300 |
| GOLAGHAT | 46 | 15.3 | 254 | 84.7 | 300 |
| HAILAKANDI | 86 | 28.7 | 214 | 71.3 | 300 |
| JORHAT | 27 | 9.0 | 273 | 91.0 | 300 |
| KAMRUP R | 19 | 6.3 | 281 | 93.7 | 300 |
| KAMRUP M | 40 | 13.3 | 260 | 86.7 | 300 |
| KARIMGANJ | 127 | 42.3 | 173 | 57.7 | 300 |
| KOKRAJHAR | 62 | 22.1 | 219 | 77.9 | 281 |
| LAKHIMPUR | 42 | 14.0 | 258 | 86.0 | 300 |
| MORIGAON | 82 | 27.3 | 218 | 72.7 | 300 |
| NAGAON | 63 | 21.0 | 237 | 79.0 | 300 |
| NALBARI | 57 | 19.0 | 243 | 81.0 | 300 |
| SIVSAGAR | 21 | 6.9 | 282 | 93.1 | 303 |
| SONITPUR | 54 | 18.1 | 245 | 81.9 | 299 |
| TINSUKIA | 56 | 18.8 | 242 | 81.2 | 298 |
| UDALGURI | 87 | 29.0 | 213 | 71.0 | 300 |
| Assam | 1630 | 21.8 | 5853 | 78.2 | 7483 |

Coverage Evaluation Survey, Assam-2013 76 | Page

Table 3.3.1(B): District wise distributions of mothers by place of institutional delivery

| | | | | | Р | lace of Ins | titutional De | elivery | | | | | |
|------------|-----|-----|-------|--------|------|-------------|---------------|---------|--------|-----------|---------|----------|-------|
| | | | | | | | | | Medica | l College | | | |
| | SC | | SD/MP | HC/SHC | PH | С | CHC/SD | H/DH | Hos | spital | Private | Hospital | Total |
| District : | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | ID |
| BAKSA | 3 | 1.5 | 4 | 2.0 | 60 | 29.3 | 111 | 54.1 | 14 | 6.8 | 13 | 6.3 | 205 |
| BARPETA | 10 | 5.1 | 12 | 6.1 | 66 | 33.5 | 72 | 36.5 | 20 | 10.2 | 17 | 8.6 | 197 |
| BONGAIGAON | 22 | 9.6 | 34 | 14.9 | 73 | 32.0 | 73 | 32.0 | 7 | 3.1 | 19 | 8.3 | 228 |
| CACHAR | 21 | 9.0 | 21 | 9.0 | 55 | 23.5 | 50 | 21.4 | 66 | 28.2 | 21 | 9.0 | 234 |
| CHIRANG | 13 | 6.1 | 18 | 8.4 | 81 | 37.9 | 81 | 37.9 | 1 | 0.5 | 20 | 9.3 | 214 |
| DARRANG | 13 | 5.7 | 53 | 23.1 | 78 | 34.1 | 54 | 23.6 | 14 | 6.1 | 17 | 7.4 | 229 |
| DHEMAJI | 5 | 1.9 | 41 | 15.8 | 42 | 16.2 | 154 | 59.2 | 2 | 0.8 | 16 | 6.2 | 260 |
| DHUBRI | 15 | 8.5 | 27 | 15.3 | 32 | 18.2 | 64 | 36.4 | 16 | 9.1 | 22 | 12.5 | 176 |
| DIBRUGARH | 10 | 3.6 | 9 | 3.3 | 32 | 11.7 | 88 | 32.1 | 88 | 32.1 | 47 | 17.2 | 274 |
| GOALPARA | 10 | 4.5 | 35 | 15.6 | 40 | 17.9 | 108 | 48.2 | 21 | 9.4 | 10 | 4.5 | 224 |
| GOLAGHAT | | | 63 | 24.8 | 75 | 29.5 | 78 | 30.7 | 19 | 7.5 | 19 | 7.5 | 254 |
| HAILAKANDI | 7 | 3.3 | 24 | 11.2 | 52 | 24.3 | 85 | 39.7 | 18 | 8.4 | 28 | 13.1 | 214 |
| JORHAT | 1 | 0.4 | 21 | 7.7 | 69 | 25.3 | 48 | 17.6 | 96 | 35.2 | 38 | 13.9 | 273 |
| KAMRUP R | 1 | 0.4 | 1 | 0.4 | 34 | 12.1 | 140 | 49.8 | 66 | 23.5 | 39 | 13.9 | 281 |
| KAMRUP M | | | 20 | 7.7 | 45 | 17.3 | 38 | 14.6 | 88 | 33.8 | 69 | 26.5 | 260 |
| KARIMGANJ | 4 | 2.3 | 38 | 22.0 | 19 | 11.0 | 50 | 28.9 | 26 | 15.0 | 36 | 20.8 | 173 |
| KOKRAJHAR | 13 | 5.9 | 43 | 19.6 | 66 | 30.1 | 86 | 39.3 | | 0.0 | 11 | 5.0 | 219 |
| LAKHIMPUR | 7 | 2.7 | 44 | 17.1 | 74 | 28.7 | 108 | 41.9 | 8 | 3.1 | 17 | 6.6 | 258 |
| MORIGAON | 4 | 1.8 | 12 | 5.5 | 57 | 26.1 | 118 | 54.1 | 5 | 2.3 | 22 | 10.1 | 218 |
| NAGAON | 2 | 0.8 | 37 | 15.6 | 37 | 15.6 | 129 | 54.4 | 8 | 3.4 | 24 | 10.1 | 237 |
| NALBARI | | | 59 | 24.3 | 69 | 28.4 | 72 | 29.6 | 17 | 7.0 | 26 | 10.7 | 243 |
| SIVSAGAR | | | 19 | 6.7 | 84 | 29.8 | 95 | 33.7 | 28 | 9.9 | 56 | 19.9 | 282 |
| SONITPUR | | | 47 | 19.2 | 54 | 22.0 | 93 | 38.0 | 7 | 2.9 | 44 | 18.0 | 245 |
| TINSUKIA | 18 | 7.4 | 48 | 19.8 | 56 | 23.1 | 78 | 32.2 | 5 | 2.1 | 37 | 15.3 | 242 |
| UDALGURI | 3 | 1.4 | 18 | 8.5 | 58 | 27.2 | 109 | 51.2 | 5 | 2.3 | 20 | 9.4 | 213 |
| Assam | 182 | 3.1 | 748 | 12.8 | 1408 | 24.1 | 2182 | 37.3 | 645 | 11.0 | 688 | 11.8 | 5853 |

Coverage Evaluation Survey, Assam-2013 77 | Page

Table 3.3.1(C): District wise distributions of mothers by place of delivery, 2011-12 & 2012-13

| | | | | Place of | Delivery | | | |
|------------|---------|-----------|---------|----------|-----------------|----------|---------|----------|
| Districts | Hamal | Dalissams | | | Institutional I | Delivery | | |
| Districts | Home i | Delivery | Tot | al | (Govt. F | acility) | (Pvt. F | acility) |
| | 2011-12 | 2012-13 | 2011-12 | 2012-13 | 2011-12 | 2012-13 | 2011-12 | 2012-13 |
| BAKSA | 37.0 | 31.7 | 63.0 | 68.3 | 57.7 | 64.0 | 5.33 | 4.3 |
| BARPETA | 32.0 | 34.1 | 68.0 | 65.9 | 65.7 | 60.2 | 2.33 | 5.7 |
| BONGAIGAON | 34.7 | 24.0 | 65.3 | 76.0 | 61.7 | 69.7 | 3.67 | 6.3 |
| CACHAR | 25.0 | 22.3 | 75.0 | 77.7 | 68.3 | 70.7 | 6.67 | 7.0 |
| CHIRANG | 42.3 | 28.9 | 57.7 | 71.1 | 53.0 | 64.5 | 4.67 | 6.6 |
| DARRANG | 38.7 | 23.7 | 61.3 | 76.3 | 60.0 | 70.6 | 1.33 | 5.7 |
| DHEMAJI | 15.0 | 13.3 | 85.0 | 86.7 | 80.3 | 81.4 | 4.67 | 5.3 |
| DHUBRI | 39.0 | 41.5 | 61.0 | 58.5 | 60.3 | 51.2 | 0.67 | 7.3 |
| DIBRUGARH | 14.7 | 8.7 | 85.3 | 91.3 | 74.7 | 75.6 | 10.7 | 15.7 |
| GOALPARA | 31.9 | 25.3 | 68.1 | 74.7 | 64.1 | 71.4 | 3.99 | 3.3 |
| GOLAGHAT | 19.7 | 15.3 | 80.3 | 84.7 | 68.7 | 78.4 | 11.7 | 6.3 |
| HAILAKANDI | 33.7 | 28.7 | 66.3 | 71.3 | 62.7 | 62.0 | 3.67 | 9.3 |
| JORHAT | 12.3 | 9.0 | 87.7 | 91.0 | 78.3 | 78.3 | 9.33 | 12.7 |
| KAMRUP R | 14.0 | 6.3 | 86.0 | 93.7 | 76.7 | 80.7 | 9.3 | 13.0 |
| KAMRUP M | 18.5 | 13.3 | 81.5 | 86.7 | 58.6 | 63.7 | 22.9 | 23.0 |
| KARIMGANJ | 38.7 | 42.3 | 61.3 | 57.7 | 55.3 | 45.7 | 6 | 12.0 |
| KOKRAJHAR | | 22.1 | | 77.9 | | 74.0 | | 3.9 |
| LAKHIMPUR | 15.3 | 14.0 | 84.7 | 86.0 | 81.7 | 80.3 | 3 | 5.7 |
| MORIGAON | 29.7 | 27.3 | 70.3 | 72.7 | 67.3 | 65.4 | 3 | 7.3 |
| NAGAON | 35.0 | 21.0 | 65.0 | 79.0 | 59.3 | 71.0 | 5.67 | 8.0 |
| NALBARI | 22.7 | 19.0 | 77.3 | 81.0 | 61.3 | 72.3 | 16 | 8.7 |
| SIVSAGAR | 14.0 | 6.9 | 86.0 | 93.1 | 75.7 | 74.6 | 10.3 | 18.5 |
| SONITPUR | 28.0 | 18.1 | 72.0 | 81.9 | 65.3 | 67.2 | 6.67 | 14.7 |
| TINSUKIA | 15.0 | 18.8 | 85.0 | 81.2 | 77.3 | 68.8 | 7.67 | 12.4 |
| UDALGURI | 38.0 | 29.0 | 62.0 | 71.0 | 55.0 | 64.3 | 7 | 6.7 |
| Assam | 26.9 | 21.8 | 73.1 | 78.2 | 66.2 | 69.0 | 7 | 9.2 |

Coverage Evaluation Survey, Assam-2013 78 | Page

Table 3.3.1(D): Institutional Delivery by Region, Caste and ANC received

| Туре | Category | No. of PW | Institutiona | l Delivery |
|------------|-----------|-----------|--------------|------------|
| | | | No. | PC |
| | Hindu | 4800 | 4176 | 87 |
| RELIGION | Muslim | 2412 | 1471 | 61 |
| RELIGION | Christian | 224 | 128 | 57 |
| | Others | 47 | 43 | 91 |
| | General | 3258 | 2346 | 72 |
| | OBC | 1498 | 1288 | 86 |
| CASTE | SC | 1008 | 847 | 84 |
| | ST | 1233 | 1048 | 85 |
| | Others | 486 | 292 | 60 |
| | No ANC | 208 | 1 | 11 |
| ANC STATUS | 1 ANC | 511 | 21 | 46 |
| ANCSIAIOS | 2 ANC | 1057 | 38 | 62 |
| | 3 & more | 5707 | 69 | 83 |

Coverage Evaluation Survey, Assam-2013 79 | Page

Table 3.3.2: District wise distribution of persons conducting Home Delivery

| | | | | | Per | sons cond | ucting H | ome Delivery | У | | | | Total |
|------------|-----|-----|-----|-----|------|-----------|----------|--------------|-----|------|-------|--------|----------|
| District: | Doc | tor | AN | М | Dai/ | 'TBA | Re | latives | Ot | hers | No Re | sponse | Home |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | Delivery |
| BAKSA | | | | | 1 | 1.1 | 30 | 31.6 | | | 64 | 67.4 | 95 |
| BARPETA | | | 6 | 5.9 | 54 | 52.9 | 28 | 27.5 | | | 14 | 13.7 | 102 |
| BONGAIGAON | 2 | 2.8 | | | 38 | 52.8 | 23 | 31.9 | 1 | 1.4 | 8 | 11.1 | 72 |
| CACHAR | 1 | 1.5 | 5 | 7.5 | 41 | 61.2 | 18 | 26.9 | 2 | 3.0 | | | 67 |
| CHIRANG | | | | | 76 | 87.4 | 8 | 9.2 | 1 | 1.1 | 2 | 2.3 | 87 |
| DARRANG | | | | | 18 | 25.4 | 43 | 60.6 | | | 10 | 14.1 | 71 |
| DHEMAJI | | | | | 14 | 35.0 | 22 | 55.0 | 1 | 2.5 | 3 | 7.5 | 40 |
| DHUBRI | | | | | 110 | 88.0 | 2 | 1.6 | 8 | 6.4 | 5 | 4.0 | 125 |
| DIBRUGARH | 2 | 7.7 | | | 13 | 50.0 | 7 | 26.9 | 1 | 3.8 | 3 | 11.5 | 26 |
| GOALPARA | | | | | 45 | 59.2 | 29 | 38.2 | 1 | 1.3 | 1 | 1.3 | 76 |
| GOLAGHAT | | | | | | | 46 | 100.0 | | | | | 46 |
| HAILAKANDI | | | 3 | 3.5 | 68 | 79.1 | 10 | 11.6 | 4 | 4.7 | 1 | 1.2 | 86 |
| JORHAT | | | | | 2 | 7.4 | 25 | 92.6 | | | | | 27 |
| KAMRUP R | 1 | 5.3 | | | 3 | 15.8 | 3 | 15.8 | 4 | 21.1 | 8 | 42.1 | 19 |
| KAMRUP M | 1 | 2.5 | | | 2 | 5.0 | 36 | 90.0 | | | 1 | 2.5 | 40 |
| KARIMGANJ | 2 | 1.6 | | | 60 | 47.2 | 55 | 43.3 | 3 | 2.4 | 7 | 5.5 | 127 |
| KOKRAJHAR | | | | | 53 | 85.5 | 9 | 14.5 | | | | | 62 |
| LAKHIMPUR | | | | | 33 | 78.6 | 8 | 19.0 | | | 1 | 2.4 | 42 |
| MORIGAON | 3 | 3.7 | 2 | 2.4 | 61 | 74.4 | 13 | 15.9 | 1 | 1.2 | 2 | 2.4 | 82 |
| NAGAON | 3 | 4.8 | 2 | 3.2 | 42 | 66.7 | 8 | 12.7 | | | 8 | 12.7 | 63 |
| NALBARI | | | | | 45 | 78.9 | 12 | 21.1 | | | | | 57 |
| SIVSAGAR | 1 | 4.8 | | | 16 | 76.2 | 4 | 19.0 | | | | | 21 |
| SONITPUR | | | | | 43 | 79.6 | 8 | 14.8 | | | 3 | 5.6 | 54 |
| TINSUKIA | | | | | 42 | 75.0 | 14 | 25.0 | | | | | 56 |
| UDALGURI | | | | | 49 | 56.3 | 36 | 41.4 | | | 2 | 2.3 | 87 |
| Assam | 16 | 1.0 | 18 | 1.1 | 933 | 57.2 | 497 | 30.5 | 27 | 1.7 | 139 | 8.5 | 1630 |

Table 3.3.3: District wise distributions of reasons for Home Delivery

| | | | | | | Reaso | ons for H | lome Del | ivery | | | | | | |
|-------------|--------------|-------------------------------------|------|-------|-----|---------------|-----------|----------------|-------|---------------|------|--------|-----|------|---------------|
| | fa Transp | y is too ar/ ortation blem | Pref | er HD | | A is lable | | o time ctor | | omary Item | Cost | factor | Oth | ners | Total Home |
| Districts | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | Delivery |
| Baksa | 36 | 37.9 | 25 | 26.3 | 7 | 7.4 | 43 | 45.3 | 22 | 23.2 | 16 | 16.8 | 1 | 1.1 | 95 |
| Barpeta | 46 | 45.1 | 35 | 34.3 | 14 | 13.7 | 29 | 28.4 | 18 | 17.6 | 16 | 15.7 | 3 | 2.9 | 102 |
| Bongaigaon | 19 | 26.4 | 8 | 11.1 | 13 | 18.1 | 16 | 22.2 | 31 | 43.1 | 10 | 13.9 | 2 | 2.8 | 72 |
| Cachar | 31 | 46.3 | 20 | 29.9 | 16 | 23.9 | 32 | 47.8 | 11 | 16.4 | 6 | 9.0 | 7 | 10.4 | 67 |
| Chirang | 29 | 33.3 | 18 | 20.7 | 19 | 21.8 | 46 | 52.9 | 32 | 36.8 | 16 | 18.4 | 3 | 3.4 | 87 |
| Darang | 26 | 36.6 | 15 | 21.1 | 8 | 11.3 | 32 | 45.1 | 19 | 26.8 | 18 | 25.4 | | | 71 |
| Dhemaji | 15 | 37.5 | 4 | 10.0 | 3 | 7.5 | 19 | 47.5 | 3 | 7.5 | 11 | 27.5 | 1 | | 40 |
| Dhubri | 86 | 68.8 | 64 | 51.2 | 19 | 15.2 | 16 | 12.8 | 26 | 20.8 | 34 | 27.2 | 3 | | 125 |
| Dibrugarh | 13 | 50.0 | 2 | 7.7 | 3 | 11.5 | 22 | 84.6 | 1 | 3.8 | 10 | 38.5 | 2 | | 26 |
| Goalpara | 42 | 55.3 | 31 | 40.8 | 33 | 43.4 | 23 | 30.3 | 16 | 21.1 | 8 | 10.5 | 7 | 9.2 | 76 |
| Golaghat | 21 | 45.7 | 13 | 28.3 | 12 | 26.1 | 32 | 69.6 | 3 | 6.5 | 13 | 28.3 | 2 | 4.3 | 46 |
| Hailakandi | 43 | 50.0 | 32 | 37.2 | 21 | 24.4 | 24 | 27.9 | 4 | 4.7 | 17 | 19.8 | 6 | 7.0 | 86 |
| Jorhat | 13 | 48.1 | 2 | 7.4 | 6 | 22.2 | 13 | 48.1 | 3 | 11.1 | 11 | 40.7 | 2 | 7.4 | 27 |
| Kamrup (R) | 14 | 73.7 | 3 | 15.8 | 2 | 10.5 | 16 | 84.2 | 3 | 15.8 | 10 | 52.6 | 1 | 5.3 | 19 |
| Kamrup (M) | 3 | 7.5 | 7 | 17.5 | 3 | 7.5 | 6 | 15.0 | 2 | 5.0 | 14 | 35.0 | | 0.0 | 40 |
| Karimganj | 39 | 30.7 | 29 | 22.8 | 5 | 3.9 | 32 | 25.2 | 32 | 25.2 | 22 | 17.3 | 6 | 4.7 | 127 |
| Kokrajhar | 18 | 29.0 | 7 | 11.3 | 2 | 3.2 | 26 | 41.9 | 9 | 14.5 | 9 | 14.5 | | 0.0 | 62 |
| Lakhimpur | 21 | 50.0 | 10 | 23.8 | 4 | 9.5 | 3 | 7.1 | 2 | 4.8 | 11 | 26.2 | | 0.0 | 42 |
| Morigaon | 46 | 56.1 | 31 | 37.8 | 1 | 1.2 | 34 | 41.5 | 17 | 20.7 | 11 | 13.4 | 3 | 3.7 | 82 |
| Nagaon | 42 | 66.7 | 31 | 49.2 | 24 | 38.1 | 23 | 36.5 | 29 | 46.0 | 13 | 20.6 | 3 | 4.8 | 63 |
| Nalbari | 41 | 71.9 | 30 | 52.6 | 10 | 17.5 | 17 | 29.8 | 10 | 17.5 | 22 | 38.6 | 2 | 3.5 | 57 |
| Sivsagar | 9 | 42.9 | 4 | 19.0 | 6 | 28.6 | 9 | 42.9 | 1 | 4.8 | 13 | 61.9 | | 0.0 | 21 |
| Sonitpur | 24 | 44.4 | 13 | 24.1 | 11 | 20.4 | 26 | 48.1 | 3 | 5.6 | 7 | 13.0 | | 0.0 | 54 |
| Tinsukia | 13 | 23.2 | 4 | 7.1 | 2 | 3.6 | 14 | 25.0 | 1 | 1.8 | 6 | 10.7 | 8 | 14.3 | 56 |
| Udalguri | 42 | 48.3 | 31 | 35.6 | 9 | 10.3 | 18 | 20.7 | 11 | 12.6 | 13 | 14.9 | 5 | 5.7 | 87 |
| Assam | 732 | 44.9 | 469 | 28.8 | 253 | 15.5 | 571 | 35.0 | 309 | 19.0 | 337 | 20.7 | 67 | 4.1 | 1630 |

Coverage Evaluation Survey, Assam-2013 81 | Page

Table 3.3.3(A): District wise distributions of mothers by mode of transportation to hospital

| | | Mo | ode of Transport | ation from I | Home to Hos | pital | | | Total |
|------------|-----------|---------|------------------|--------------|-------------|----------|----------|-------|---------------|
| District : | Own arran | gement | Ambulance / 1 | L08 / Free | Othe Vehic | cle paid | No Respo | nco | Institutional |
| District. | Ownanan | igement | Govt Vel | nicle | by Go | vt | No Nespo | 71136 | Delivery |
| | No. | PC | No. | PC | No. | PC | No. | PC | Delivery |
| BAKSA | 141 | 68.8 | 59 | 28.8 | 2 | 1.0 | 3 | 1.5 | 205 |
| BARPETA | 102 | 51.8 | 88 | 44.7 | 2 | 1.0 | 5 | 2.5 | 197 |
| BONGAIGAON | 130 | 57.0 | 92 | 40.4 | | 0.0 | 6 | 2.6 | 228 |
| CACHAR | 178 | 76.1 | 39 | 16.7 | | 0.0 | 17 | 7.3 | 234 |
| CHIRANG | 121 | 56.5 | 82 | 38.3 | 10 | 4.7 | 1 | 0.5 | 214 |
| DARRANG | 116 | 50.7 | 96 | 41.9 | 7 | 3.1 | 10 | 4.4 | 229 |
| DHEMAJI | 212 | 81.5 | 35 | 13.5 | 3 | 1.2 | 10 | 3.8 | 260 |
| DHUBRI | 55 | 31.3 | 102 | 58.0 | 7 | 4.0 | 12 | 6.8 | 176 |
| DIBRUGARH | 148 | 54.0 | 90 | 32.8 | 35 | 12.8 | 1 | 0.4 | 274 |
| GOALPARA | 70 | 31.3 | 143 | 63.8 | 9 | 4.0 | 2 | 0.9 | 224 |
| GOLAGHAT | 50 | 19.7 | 200 | 78.7 | 2 | 0.8 | 2 | 0.8 | 254 |
| HAILAKANDI | 164 | 76.6 | 37 | 17.3 | 1 | 0.5 | 12 | 5.6 | 214 |
| JORHAT | 40 | 14.7 | 222 | 81.3 | 5 | 1.8 | 6 | 2.2 | 273 |
| KAMRUP R | 171 | 60.9 | 91 | 32.4 | 1 | 0.4 | 18 | 6.4 | 281 |
| KAMRUP M | 215 | 82.7 | 42 | 16.2 | | 0.0 | 3 | 1.2 | 260 |
| KARIMGANJ | 154 | 89.0 | 15 | 8.7 | | 0.0 | 4 | 2.3 | 173 |
| KOKRAJHAR | 126 | 57.5 | 86 | 39.3 | | 0.0 | 7 | 3.2 | 219 |
| LAKHIMPUR | 192 | 74.4 | 53 | 20.5 | | 0.0 | 13 | 5.0 | 258 |
| MORIGAON | 153 | 70.2 | 65 | 29.8 | | 0.0 | 0 | 0.0 | 218 |
| NAGAON | 146 | 61.6 | 84 | 35.4 | | 0.0 | 7 | 3.0 | 237 |
| NALBARI | 135 | 55.6 | 62 | 25.5 | 36 | 14.8 | 10 | 4.1 | 243 |
| SIVSAGAR | 162 | 57.4 | 83 | 29.4 | 37 | 13.1 | 0 | 0.0 | 282 |
| SONITPUR | 190 | 77.6 | 53 | 21.6 | | 0.0 | 2 | 0.8 | 245 |
| TINSUKIA | 139 | 57.4 | 91 | 37.6 | | 0.0 | 12 | 5.0 | 242 |
| UDALGURI | 137 | 64.3 | 69 | 32.4 | | 0.0 | 7 | 3.3 | 213 |
| Assam | 3447 | 58.9 | 2079 | 35.5 | 157 | 2.7 | 170 | 2.9 | 5853 |

Table 3.3.3(B): District wise distributions of mothers by mode of transportation to hospital to home

| | | М | ode of Transpo | rtation fror | n Home to H | lospital | | | |
|------------|-------------|-------|----------------|--------------|-------------|----------|-----------|-----|---------------|
| | | | Ambulance / 3 | 108 / Free | Othe Vehic | le | | | Total |
| District : | Own arrange | ement | Govt Vehicle | | paid by Go | vt | No Respon | ise | Institutional |
| | | | | | | | | | Delivery |
| | No. | PC | No. | PC | No. | PC | No. | PC | |
| BAKSA | 151 | 73.7 | 49 | 23.9 | 2 | 1.0 | 3 | 1.5 | 205 |
| BARPETA | 109 | 55.3 | 77 | 39.1 | 2 | 1.0 | 9 | 4.6 | 197 |
| BONGAIGAON | 130 | 57.0 | 82 | 36.0 | 10 | 4.4 | 6 | 2.6 | 228 |
| CACHAR | 178 | 76.1 | 39 | 16.7 | | | 17 | 7.3 | 234 |
| CHIRANG | 121 | 56.5 | 82 | 38.3 | 10 | 4.7 | 1 | 0.5 | 214 |
| DARRANG | 116 | 50.7 | 96 | 41.9 | 7 | 3.1 | 10 | 4.4 | 229 |
| DHEMAJI | 212 | 81.5 | 35 | 13.5 | 3 | 1.2 | 10 | 3.8 | 260 |
| DHUBRI | 75 | 42.6 | 82 | 46.6 | 7 | 4.0 | 12 | 6.8 | 176 |
| DIBRUGARH | 148 | 54.0 | 90 | 32.8 | 35 | 12.8 | 1 | 0.4 | 274 |
| GOALPARA | 123 | 54.9 | 73 | 32.6 | 9 | 4.0 | 19 | 8.5 | 224 |
| GOLAGHAT | 136 | 53.5 | 101 | 39.8 | 12 | 4.7 | 5 | 2.0 | 254 |
| HAILAKANDI | 164 | 76.6 | 37 | 17.3 | 1 | 0.5 | 12 | 5.6 | 214 |
| JORHAT | 176 | 64.5 | 88 | 32.2 | 5 | 1.8 | 4 | 1.5 | 273 |
| KAMRUP R | 171 | 60.9 | 91 | 32.4 | 1 | 0.4 | 18 | 6.4 | 281 |
| KAMRUP M | 215 | 82.7 | 42 | 16.2 | | | 3 | 1.2 | 260 |
| KARIMGANJ | 144 | 83.2 | 26 | 15.0 | | | 3 | 1.7 | 173 |
| KOKRAJHAR | 126 | 57.5 | 86 | 39.3 | | | 7 | 3.2 | 219 |
| LAKHIMPUR | 192 | 74.4 | 53 | 20.5 | | | 13 | 5.0 | 258 |
| MORIGAON | 153 | 70.2 | 65 | 29.8 | | | | | 218 |
| NAGAON | 146 | 61.6 | 84 | 35.4 | | | 7 | 3.0 | 237 |
| NALBARI | 135 | 55.6 | 62 | 25.5 | 36 | 14.8 | 10 | 4.1 | 243 |
| SIVSAGAR | 162 | 57.4 | 83 | 29.4 | 37 | 13.1 | | | 282 |
| SONITPUR | 190 | 77.6 | 53 | 21.6 | | | 2 | 0.8 | 245 |
| TINSUKIA | 139 | 57.4 | 91 | 37.6 | | | 12 | 5.0 | 242 |
| UDALGURI | 137 | 64.3 | 69 | 32.4 | | | 7 | 3.3 | 213 |
| Assam | 3749 | 64.1 | 1736 | 29.7 | 177 | 3.0 | 191 | 3.3 | 5853 |

Table 3.3.4: District wise distributions of mothers by type of delivery

| | | | Type of D | Delivery | | | |
|------------|------|------|-----------|----------|--------|-------|---------|
| District : | Norr | nal | Caesa | rian | No res | oonse | Total |
| | No. | PC | No. | PC | No. | PC | Numbers |
| BAKSA | 240 | 80.0 | 26 | 8.7 | 34 | 11.3 | 300 |
| BARPETA | 185 | 61.9 | 30 | 10.0 | 84 | 28.1 | 299 |
| BONGAIGAON | 187 | 62.3 | 38 | 12.7 | 75 | 25.0 | 300 |
| CACHAR | 195 | 64.8 | 41 | 13.6 | 65 | 21.6 | 301 |
| CHIRANG | 188 | 62.5 | 28 | 9.3 | 85 | 28.2 | 301 |
| DARRANG | 200 | 66.7 | 27 | 9.0 | 73 | 24.3 | 300 |
| DHEMAJI | 225 | 75.0 | 33 | 11.0 | 42 | 14.0 | 300 |
| DHUBRI | 186 | 61.8 | 31 | 10.3 | 84 | 27.9 | 301 |
| DIBRUGARH | 186 | 62.0 | 88 | 29.3 | 26 | 8.7 | 300 |
| GOALPARA | 212 | 70.7 | 11 | 3.7 | 77 | 25.7 | 300 |
| GOLAGHAT | 221 | 73.7 | 30 | 10.0 | 49 | 16.3 | 300 |
| HAILAKANDI | 161 | 53.7 | 53 | 17.7 | 86 | 28.7 | 300 |
| JORHAT | 195 | 65.0 | 77 | 25.7 | 28 | 9.3 | 300 |
| KAMRUP R | 209 | 69.7 | 70 | 23.3 | 21 | 7.0 | 300 |
| KAMRUP M | 183 | 61.0 | 77 | 25.7 | 40 | 13.3 | 300 |
| KARIMGANJ | 188 | 62.7 | 35 | 11.7 | 77 | 25.7 | 300 |
| KOKRAJHAR | 185 | 65.8 | 28 | 10.0 | 68 | 24.2 | 281 |
| LAKHIMPUR | 189 | 63.0 | 68 | 22.7 | 43 | 14.3 | 300 |
| MORIGAON | 201 | 67.0 | 25 | 8.3 | 74 | 24.7 | 300 |
| NAGAON | 210 | 70.0 | 26 | 8.7 | 64 | 21.3 | 300 |
| NALBARI | 210 | 70.0 | 33 | 11.0 | 57 | 19.0 | 300 |
| SIVSAGAR | 245 | 80.9 | 36 | 11.9 | 22 | 7.3 | 303 |
| SONITPUR | 202 | 67.6 | 42 | 14.0 | 55 | 18.4 | 299 |
| TINSUKIA | 183 | 61.4 | 58 | 19.5 | 57 | 19.1 | 298 |
| UDALGURI | 184 | 61.3 | 24 | 8.0 | 92 | 30.7 | 300 |
| Assam | 4970 | 66.4 | 1035 | 13.8 | 1478 | 19.8 | 7483 |

Coverage Evaluation Survey, Assam-2013 84 | Page

Table 3.3.5: District wise distributions of mothers by staying at the facility after delivery

| | | | Mo | others sta | ying at th | ne facility | after deliv | ery | | | Total |
|------------|--------|--------|---------|------------|------------|-------------|-------------|-------|----------|------|------------------------|
| District . | Less t | han 12 | | | | | more th | an 48 | No | | |
| District : | ho | urs | 12 – 24 | hours | 24 – 48 | hours | hours | | Response | | Institutional Delivery |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | Delivery |
| BAKSA | 2 | 1.0 | 38 | 18.5 | 59 | 28.8 | 91 | 44.4 | 15 | 7.3 | 205 |
| BARPETA | 16 | 8.1 | 58 | 29.4 | 42 | 21.3 | 66 | 33.5 | 15 | 7.6 | 197 |
| BONGAIGAON | 22 | 9.6 | 46 | 20.2 | 55 | 24.1 | 97 | 42.5 | 8 | 3.5 | 228 |
| CACHAR | 33 | 14.1 | 35 | 15.0 | 37 | 15.8 | 125 | 53.4 | 4 | 1.7 | 234 |
| CHIRANG | 4 | 1.9 | 74 | 34.6 | 52 | 24.3 | 82 | 38.3 | 2 | 0.9 | 214 |
| DARRANG | 5 | 2.2 | 42 | 18.3 | 64 | 27.9 | 114 | 49.8 | 4 | 1.7 | 229 |
| DHEMAJI | 26 | 10.0 | 74 | 28.5 | 55 | 21.2 | 86 | 33.1 | 19 | 7.3 | 260 |
| DHUBRI | 10 | 5.7 | 79 | 44.9 | 57 | 32.4 | 27 | 15.3 | 3 | 1.7 | 176 |
| DIBRUGARH | 14 | 5.1 | 49 | 17.9 | 37 | 13.5 | 153 | 55.8 | 21 | 7.7 | 274 |
| GOALPARA | 10 | 4.5 | 91 | 40.6 | 90 | 40.2 | 30 | 13.4 | 3 | 1.3 | 224 |
| GOLAGHAT | | 0.0 | 15 | 5.9 | 89 | 35.0 | 146 | 57.5 | 4 | 1.6 | 254 |
| HAILAKANDI | 12 | 5.6 | 20 | 9.3 | 30 | 14.0 | 147 | 68.7 | 5 | 2.3 | 214 |
| JORHAT | | 0.0 | 45 | 16.5 | 55 | 20.1 | 159 | 58.2 | 14 | 5.1 | 273 |
| KAMRUP R | 10 | 3.6 | 41 | 14.6 | 64 | 22.8 | 158 | 56.2 | 8 | 2.8 | 281 |
| KAMRUP M | | 0.0 | 46 | 17.7 | 54 | 20.8 | 146 | 56.2 | 14 | 5.4 | 260 |
| KARIMGANJ | 8 | 4.6 | 19 | 11.0 | 30 | 17.3 | 110 | 63.6 | 6 | 3.5 | 173 |
| KOKRAJHAR | 25 | 11.4 | 80 | 36.5 | 40 | 18.3 | 69 | 31.5 | 5 | 2.3 | 219 |
| LAKHIMPUR | 19 | 7.4 | 57 | 22.1 | 59 | 22.9 | 95 | 36.8 | 28 | 10.9 | 258 |
| MORIGAON | 13 | 6.0 | 80 | 36.7 | 49 | 22.5 | 56 | 25.7 | 20 | 9.2 | 218 |
| NAGAON | 52 | 21.9 | 53 | 22.4 | 50 | 21.1 | 75 | 31.6 | 7 | 3.0 | 237 |
| NALBARI | 5 | 2.1 | 6 | 2.5 | 110 | 45.3 | 113 | 46.5 | 9 | 3.7 | 243 |
| SIVSAGAR | 1 | 0.4 | 48 | 17.0 | 76 | 27.0 | 147 | 52.1 | 10 | 3.5 | 282 |
| SONITPUR | 9 | 3.7 | 45 | 18.4 | 66 | 26.9 | 124 | 50.6 | 1 | 0.4 | 245 |
| TINSUKIA | 35 | 14.5 | 64 | 26.4 | 33 | 13.6 | 100 | 41.3 | 10 | 4.1 | 242 |
| UDALGURI | 11 | 5.2 | 54 | 25.4 | 48 | 22.5 | 83 | 39.0 | 17 | 8.0 | 213 |
| Assam | 342 | 5.8 | 1259 | 21.5 | 1401 | 23.9 | 2599 | 44.4 | 252 | 4.3 | 5853 |

Table 3.6.: District wise distribution of mothers according to ASHA accompanying during delivery

| District : | ASHA accompa Institutiona | , , | Total Institutional |
|------------|------------------------------|------|---------------------|
| District. | No. | PC | Delivery |
| BAKSA | 176 | 85.9 | 205 |
| BARPETA | 162 | 82.2 | 197 |
| BONGAIGAON | 200 | 87.7 | 228 |
| CACHAR | 168 | 71.8 | 234 |
| CHIRANG | 186 | 86.9 | 214 |
| DARRANG | 179 | 78.2 | 229 |
| DHEMAJI | 236 | 90.8 | 260 |
| DHUBRI | 159 | 90.3 | 176 |
| DIBRUGARH | 198 | 72.3 | 274 |
| GOALPARA | 201 | 89.7 | 224 |
| GOLAGHAT | 230 | 90.6 | 254 |
| HAILAKANDI | 112 | 52.3 | 214 |
| JORHAT | 226 | 82.8 | 273 |
| KAMRUP R | 194 | 69.0 | 281 |
| KAMRUP M | 82 | 31.5 | 260 |
| KARIMGANJ | 108 | 62.4 | 173 |
| KOKRAJHAR | 199 | 90.9 | 219 |
| LAKHIMPUR | 216 | 83.7 | 258 |
| MORIGAON | 190 | 87.2 | 218 |
| NAGAON | 205 | 86.5 | 237 |
| NALBARI | 205 | 84.4 | 243 |
| SIVSAGAR | 245 | 86.9 | 282 |
| SONITPUR | 198 | 80.8 | 245 |
| TINSUKIA | 172 | 71.1 | 242 |
| UDALGURI | 196 | 92.0 | 213 |
| Assam | 4773 | 81.5 | 5853 |

Table 3.3.7: District wise distributions of mothers by referred to higher facility

| District : | | a higher health cility | Total Institutional |
|------------|-----|---------------------------|---------------------|
| District : | No. | PC | Delivery |
| BAKSA | 21 | 10.2 | 205 |
| BARPETA | 28 | 14.2 | 197 |
| BONGAIGAON | 16 | 7.0 | 228 |
| CACHAR | 27 | 11.5 | 234 |
| CHIRANG | 25 | 11.7 | 214 |
| DARRANG | 29 | 12.7 | 229 |
| DHEMAJI | 24 | 9.2 | 260 |
| DHUBRI | 12 | 6.8 | 176 |
| DIBRUGARH | 67 | 24.5 | 274 |
| GOALPARA | 14 | 6.3 | 224 |
| GOLAGHAT | 36 | 14.2 | 254 |
| HAILAKANDI | 22 | 10.3 | 214 |
| JORHAT | 23 | 8.4 | 273 |
| KAMRUP R | 27 | 9.6 | 281 |
| KAMRUP M | 18 | 6.9 | 260 |
| KARIMGANJ | 18 | 10.4 | 173 |
| KOKRAJHAR | 19 | 8.7 | 219 |
| LAKHIMPUR | 38 | 14.7 | 258 |
| MORIGAON | 11 | 5.0 | 218 |
| NAGAON | 16 | 6.8 | 237 |
| NALBARI | 26 | 10.7 | 243 |
| SIVSAGAR | 60 | 21.3 | 282 |
| SONITPUR | 23 | 9.4 | 245 |
| TINSUKIA | 44 | 18.2 | 242 |
| UDALGURI | 25 | 11.7 | 213 |
| Assam | 669 | 11.4 | 5853 |

Table 3.3.8: District wise distributions of mothers by type of facility where referred

| | | | | Type of | facility | where th | ne bene | ficiaries | referre | d | | | Total |
|------------|-----|------|-----|---------|----------|----------|---------|-----------|---------|------|-----|------|----------|
| District : | Р | HC | CHC | :/SDH | C | Н | ME | DICAL | P' | VT | ОТ | HER | referred |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | cases |
| BAKSA | | | 2 | 9.5 | 10 | 47.6 | 8 | 38.1 | 1 | 4.8 | | | 21 |
| BARPETA | 1 | 3.6 | 6 | 21.4 | 9 | 32.1 | 7 | 25.0 | 5 | 17.9 | | 0.0 | 28 |
| BONGAIGAON | 1 | 6.3 | | 0.0 | 9 | 56.3 | | 0.0 | 4 | 25.0 | 2 | 12.5 | 16 |
| CACHAR | | 0.0 | | 0.0 | | 0.0 | 22 | 81.5 | 5 | 18.5 | | 0.0 | 27 |
| CHIRANG | 1 | 4.0 | 7 | 28.0 | 6 | 24.0 | 1 | 4.0 | 8 | 32.0 | 2 | 8.0 | 25 |
| DARRANG | | 0.0 | 7 | 24.1 | 11 | 37.9 | 9 | 31.0 | 2 | 6.9 | | 0.0 | 29 |
| DHEMAJI | 5 | 20.8 | 1 | 4.2 | 17 | 70.8 | | 0.0 | 1 | 4.2 | | 0.0 | 24 |
| DHUBRI | | 0.0 | | 0.0 | 11 | 91.7 | | 0.0 | 1 | 8.3 | | 0.0 | 12 |
| DIBRUGARH | 27 | 40.3 | 11 | 16.4 | 1 | 1.5 | 20 | 29.9 | 7 | 10.4 | 1 | 1.5 | 67 |
| GOALPARA | | 0.0 | | 0.0 | 12 | 85.7 | | 0.0 | 1 | 7.1 | 1 | 7.1 | 14 |
| GOLAGHAT | 3 | 8.3 | | 0.0 | 19 | 52.8 | 14 | 38.9 | | 0.0 | | 0.0 | 36 |
| HAILAKANDI | | 0.0 | | 0.0 | 5 | 22.7 | 10 | 45.5 | 7 | 31.8 | | 0.0 | 22 |
| JORHAT | | 0.0 | 6 | 26.1 | | 0.0 | 13 | 56.5 | | 0.0 | 4 | 17.4 | 23 |
| KAMRUP R | 2 | 7.4 | 2 | 7.4 | 7 | 25.9 | 14 | 51.9 | 2 | 7.4 | | 0.0 | 27 |
| KAMRUP M | 1 | 5.6 | 1 | 5.6 | | 0.0 | 14 | 77.8 | 2 | 11.1 | | 0.0 | 18 |
| KARIMGANJ | 1 | 5.6 | 1 | 5.6 | 5 | 27.8 | 4 | 22.2 | 7 | 38.9 | | 0.0 | 18 |
| KOKRAJHAR | | 0.0 | 1 | 5.3 | 10 | 52.6 | | 0.0 | 3 | 15.8 | 5 | 26.3 | 19 |
| LAKHIMPUR | 3 | 7.9 | 4 | 10.5 | 24 | 63.2 | | 0.0 | 6 | 15.8 | 1 | 2.6 | 38 |
| MORIGAON | | 0.0 | 6 | 54.5 | 1 | 9.1 | 1 | 9.1 | 3 | 27.3 | | 0.0 | 11 |
| NAGAON | 2 | 12.5 | 2 | 12.5 | 3 | 18.8 | 3 | 18.8 | 6 | 37.5 | | 0.0 | 16 |
| NALBARI | 3 | 11.5 | | 0.0 | 8 | 30.8 | 14 | 53.8 | | 0.0 | 1 | 3.8 | 26 |
| SIVSAGAR | 24 | 40.0 | 19 | 31.7 | 2 | 3.3 | 11 | 18.3 | 2 | 3.3 | 2 | 3.3 | 60 |
| SONITPUR | 1 | 4.3 | 3 | 13.0 | 14 | 60.9 | | 0.0 | 5 | 21.7 | | 0.0 | 23 |
| TINSUKIA | 7 | 15.9 | 5 | 11.4 | 17 | 38.6 | 3 | 6.8 | 11 | 25.0 | 1 | 2.3 | 44 |
| UDALGURI | 1 | 4.0 | 5 | 20.0 | 3 | 12.0 | 3 | 12.0 | 13 | 52.0 | | 0.0 | 25 |
| Assam | 83 | 12.4 | 89 | 13.3 | 204 | 30.5 | 171 | 25.6 | 102 | 15.2 | 20 | 3.0 | 669 |

Table 3.3.9: District wise distributions of mothers according to PNC status after delivered a baby at the facility

| | PNC Sta | tus | Number of |
|------------|----------------------|-------------------|---------------|
| | Three to fourteen da | ys after Delivery | Institutional |
| Districts | No. | PC | Delivery |
| BAKSA | 48 | 23.4 | 205 |
| BARPETA | 96 | 48.7 | 197 |
| BONGAIGAON | 65 | 28.5 | 228 |
| CACHAR | 91 | 38.9 | 234 |
| CHIRANG | 49 | 22.9 | 214 |
| DARRANG | 61 | 26.6 | 229 |
| DHEMAJI | 128 | 49.2 | 260 |
| DHUBRI | 47 | 26.7 | 176 |
| DIBRUGARH | 116 | 42.3 | 274 |
| GOALPARA | 96 | 42.9 | 224 |
| GOLAGHAT | 67 | 26.4 | 254 |
| HAILAKANDI | 72 | 33.6 | 214 |
| JORHAT | 149 | 54.6 | 273 |
| KAMRUP R | 96 | 34.2 | 281 |
| KAMRUP M | 143 | 55.0 | 260 |
| KARIMGANJ | 116 | 67.1 | 173 |
| KOKRAJHAR | 13 | 5.9 | 219 |
| LAKHIMPUR | 179 | 69.4 | 258 |
| MORIGAON | 46 | 21.1 | 218 |
| NAGAON | 61 | 25.7 | 237 |
| NALBARI | 53 | 21.8 | 243 |
| SIVSAGAR | 77 | 27.3 | 282 |
| SONITPUR | 53 | 21.6 | 245 |
| TINSUKIA | 164 | 67.8 | 242 |
| UDALGURI | 46 | 21.6 | 213 |
| Assam | 2132 | 36.4 | 5853 |

Table 3.3.10: District wise distribution of mothers by JSY beneficiaries

| | Received | ISY benefit | Total ID at |
|------------|----------|-------------|-----------------|
| District : | No. | PC | Gov. facilities |
| BAKSA | 159 | 82.8 | 192 |
| BARPETA | 169 | 93.9 | 180 |
| BONGAIGAON | 174 | 83.3 | 209 |
| CACHAR | 185 | 86.9 | 213 |
| CHIRANG | 163 | 84.0 | 194 |
| DARRANG | 197 | 92.9 | 212 |
| DHEMAJI | 228 | 93.4 | 244 |
| DHUBRI | 156 | 101.3 | 154 |
| DIBRUGARH | 189 | 83.3 | 227 |
| GOALPARA | 171 | 79.9 | 214 |
| GOLAGHAT | 201 | 85.5 | 235 |
| HAILAKANDI | 147 | 79.0 | 186 |
| JORHAT | 202 | 86.0 | 235 |
| KAMRUP R | 198 | 81.8 | 242 |
| KAMRUP M | 98 | 51.3 | 191 |
| KARIMGANJ | 124 | 90.5 | 137 |
| KOKRAJHAR | 184 | 88.5 | 208 |
| LAKHIMPUR | 209 | 86.7 | 241 |
| MORIGAON | 179 | 91.3 | 196 |
| NAGAON | 187 | 87.8 | 213 |
| NALBARI | 196 | 90.3 | 217 |
| SIVSAGAR | 179 | 79.2 | 226 |
| SONITPUR | 169 | 84.1 | 201 |
| TINSUKIA | 155 | 75.6 | 205 |
| UDALGURI | 156 | 80.8 | 193 |
| Assam | 4375 | 84.7 | 5165 |

Coverage Evaluation Survey, Assam-2013 90 | Page

Table 3.3.11: District wise distributions of mothers by awareness about JSSK

| District : | Knowledge Sche | | Total mothers |
|------------|-------------------|------|---------------|
| | No. | PC | surveyed |
| BAKSA | 131 | 43.7 | 300 |
| BARPETA | 152 | 50.8 | 299 |
| BONGAIGAON | 133 | 44.3 | 300 |
| CACHAR | 152 | 50.5 | 301 |
| CHIRANG | 110 | 36.5 | 301 |
| DARRANG | 134 | 44.7 | 300 |
| DHEMAJI | 127 | 42.3 | 300 |
| DHUBRI | 98 | 32.6 | 301 |
| DIBRUGARH | 105 | 35.0 | 300 |
| GOALPARA | 133 | 44.3 | 300 |
| GOLAGHAT | 121 | 40.3 | 300 |
| HAILAKANDI | 126 | 42.0 | 300 |
| JORHAT | 127 | 42.3 | 300 |
| KAMRUP R | 187 | 62.3 | 300 |
| KAMRUP M | 215 | 71.7 | 300 |
| KARIMGANJ | 123 | 41.0 | 300 |
| KOKRAJHAR | 73 | 26.0 | 281 |
| LAKHIMPUR | 129 | 43.0 | 300 |
| MORIGAON | 153 | 51.0 | 300 |
| NAGAON | 161 | 53.7 | 300 |
| NALBARI | 99 | 33.0 | 300 |
| SIVSAGAR | 127 | 41.9 | 303 |
| SONITPUR | 101 | 33.8 | 299 |
| TINSUKIA | 156 | 52.3 | 298 |
| UDALGURI | 105 | 35.0 | 300 |
| Assam | 3278 | 43.8 | 7483 |

Coverage Evaluation Survey, Assam-2013 91 | Page

Table 3.3.12: District wise distributions of mothers by source of awareness about JSSK

| | | | | | So | urce of ir | nformatio | on about | JSSK | | | | | | JSSK |
|------------|------|------|-------|------|-------|------------|-----------|----------|------|-------|-----|------|------|---------|---------|
| District : | | | | | | | Signbo | oard at | | | Fan | nily | Rela | tives / | aware |
| DISTRICT. | ASI | HA | ANM / | MPW | Radio | /TV | the Ho | ospital | News | Paper | mem | bers | Fri | ends | mothers |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | |
| BAKSA | 54 | 41.2 | 24 | 18.3 | 21 | 16.0 | | 0.0 | 16 | 12.2 | 8 | 6.1 | 11 | 8.4 | 131 |
| BARPETA | 89 | 58.6 | 36 | 23.7 | 24 | 15.8 | 16 | 10.5 | 19 | 12.5 | 4 | 2.6 | 6 | 3.9 | 152 |
| BONGAIGAON | 78 | 58.6 | 23 | 17.3 | 41 | 30.8 | 1 | 0.8 | 15 | 11.3 | | 0.0 | | 0.0 | 133 |
| CACHAR | 89 | 58.6 | 28 | 18.4 | 12 | 7.9 | 12 | 7.9 | 2 | 1.3 | 4 | 2.6 | 10 | 6.6 | 152 |
| CHIRANG | 85 | 77.3 | 12 | 10.9 | 14 | 12.7 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 110 |
| DARRANG | 51 | 38.1 | 22 | 16.4 | 26 | 19.4 | 9 | 6.7 | 16 | 11.9 | 7 | 5.2 | 6 | 4.5 | 134 |
| DHEMAJI | 76 | 59.8 | 11 | 8.7 | 31 | 24.4 | 2 | 1.6 | 22 | 17.3 | 12 | 9.4 | 23 | 18.1 | 127 |
| DHUBRI | 73 | 74.5 | 41 | 41.8 | 14 | 14.3 | | 0.0 | 3 | 3.1 | | 0.0 | | 0.0 | 98 |
| DIBRUGARH | 74 | 70.5 | 47 | 44.8 | 23 | 21.9 | 3 | 2.9 | 2 | 1.9 | | 0.0 | | 0.0 | 105 |
| GOALPARA | 83 | 62.4 | 46 | 34.6 | 11 | 8.3 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 133 |
| GOLAGHAT | 77 | 63.6 | 41 | 33.9 | 39 | 32.2 | 23 | 19.0 | 10 | 8.3 | 6 | 5.0 | 1 | 0.8 | 121 |
| HAILAKANDI | 47 | 37.3 | 22 | 17.5 | 17 | 13.5 | 4 | 3.2 | 12 | 9.5 | 26 | 20.6 | 6 | 4.8 | 126 |
| JORHAT | 91 | 71.7 | 50 | 39.4 | 35 | 27.6 | 18 | 14.2 | 5 | 3.9 | 1 | 0.8 | 2 | 1.6 | 127 |
| KAMRUP R | 68 | 36.4 | 41 | 21.9 | 37 | 19.8 | 11 | 5.9 | 3 | 1.6 | | 0.0 | | 0.0 | 187 |
| KAMRUP M | 22 | 10.2 | 43 | 20.0 | 62 | 28.8 | 23 | 10.7 | 26 | 12.1 | 27 | 12.6 | 31 | 14.4 | 215 |
| KARIMGANJ | 78 | 63.4 | 22 | 17.9 | 22 | 17.9 | 2 | 1.6 | 1 | 0.8 | 18 | 14.6 | 19 | 15.4 | 123 |
| KOKRAJHAR | 51 | 69.9 | 29 | 39.7 | 21 | 28.8 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 73 |
| LAKHIMPUR | 74 | 57.4 | 22 | 17.1 | 29 | 22.5 | 1 | 0.8 | 35 | 27.1 | 5 | 3.9 | 15 | 11.6 | 129 |
| MORIGAON | 112 | 73.2 | 17 | 11.1 | 9 | 5.9 | 9 | 5.9 | 13 | 8.5 | 6 | 3.9 | | 0.0 | 153 |
| NAGAON | 82 | 50.9 | 27 | 16.8 | 15 | 9.3 | 12 | 7.5 | 11 | 6.8 | 14 | 8.7 | 6 | 3.7 | 161 |
| NALBARI | 79 | 79.8 | 13 | 13.1 | 21 | 21.2 | 6 | 6.1 | 2 | 2.0 | 3 | 3.0 | 9 | 9.1 | 99 |
| SIVSAGAR | 87 | 68.5 | 71 | 55.9 | 46 | 36.2 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 127 |
| SONITPUR | 77 | 76.2 | 98 | 97.0 | 11 | 10.9 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 101 |
| TINSUKIA | 46 | 29.5 | 45 | 28.8 | 19 | 12.2 | 3 | 1.9 | | 0.0 | | 0.0 | 2 | 1.3 | 156 |
| UDALGURI | 74 | 70.5 | 35 | 33.3 | 12 | 11.4 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 105 |
| Assam | 1817 | 55.4 | 866 | 26.4 | 612 | 18.7 | 155 | 4.7 | 213 | 6.5 | 141 | 4.3 | 147 | 4.5 | 3278 |

Coverage Evaluation Survey, Assam-2013 92 | Page

Table 3.3.13: District wise distributions of mothers by awareness about benefit of JSSK

| | Source of information about JSSK | | | | | | | | | | | | JSSK |
|------------|----------------------------------|------|----------|------|-------------------|------|-----------|------|---------------------|------|-----------|------|---------|
| District : | Free diagnostic / | | Free | | Free delivery for | | Free diet | | Free pick – up from | | Free Drop | | aware |
| DISTRICT. | Lab. Services | | Medicine | | Normal / CS | | | | Home to Hospital | | Back | | mothers |
| | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | No. | PC | |
| BAKSA | 62 | 47.3 | 96 | 73.3 | 46 | 35.1 | 35 | 26.7 | 16 | 12.2 | 13 | 9.9 | 131 |
| BARPETA | 98 | 64.5 | 75 | 49.3 | 33 | 21.7 | 37 | 24.3 | 22 | 14.5 | 18 | 11.8 | 152 |
| BONGAIGAON | 99 | 74.4 | 112 | 84.2 | 72 | 54.1 | 27 | 20.3 | 31 | 23.3 | 28 | 21.1 | 133 |
| CACHAR | 103 | 67.8 | 120 | 78.9 | 71 | 46.7 | 76 | 50.0 | 14 | 9.2 | 11 | 7.2 | 152 |
| CHIRANG | 93 | 84.5 | 107 | 97.3 | 54 | 49.1 | 29 | 26.4 | 47 | 42.7 | 44 | 40.0 | 110 |
| DARRANG | 51 | 38.1 | 88 | 65.7 | 50 | 37.3 | 46 | 34.3 | 15 | 11.2 | 11 | 8.2 | 134 |
| DHEMAJI | 39 | 30.7 | 97 | 76.4 | 69 | 54.3 | 25 | 19.7 | 23 | 18.1 | 20 | 15.7 | 127 |
| DHUBRI | 33 | 33.7 | 71 | 72.4 | 84 | 85.7 | 35 | 35.7 | 48 | 49.0 | 43 | 43.9 | 98 |
| DIBRUGARH | 69 | 65.7 | 91 | 86.7 | 71 | 67.6 | 46 | 43.8 | 67 | 63.8 | 45 | 42.9 | 105 |
| GOALPARA | 83 | 62.4 | 107 | 80.5 | 78 | 58.6 | 57 | 42.9 | 39 | 29.3 | 36 | 27.1 | 133 |
| GOLAGHAT | 77 | 63.6 | 111 | 91.7 | 96 | 79.3 | 19 | 15.7 | 56 | 46.3 | 53 | 43.8 | 121 |
| HAILAKANDI | 96 | 76.2 | 102 | 81.0 | 62 | 49.2 | 51 | 40.5 | 29 | 23.0 | 26 | 20.6 | 126 |
| JORHAT | 82 | 64.6 | 121 | 95.3 | 104 | 81.9 | 76 | 59.8 | 88 | 69.3 | 65 | 51.2 | 127 |
| KAMRUP R | 86 | 46.0 | 103 | 55.1 | 75 | 40.1 | 11 | 5.9 | 12 | 6.4 | 9 | 4.8 | 187 |
| KAMRUP M | 92 | 42.8 | 149 | 69.3 | 116 | 54.0 | 21 | 9.8 | 41 | 19.1 | 25 | 11.6 | 215 |
| KARIMGANJ | 41 | 33.3 | 96 | 78.0 | 73 | 59.3 | 46 | 37.4 | 33 | 26.8 | 30 | 24.4 | 123 |
| KOKRAJHAR | 68 | 93.2 | 67 | 91.8 | 52 | 71.2 | 9 | 12.3 | 37 | 50.7 | 34 | 46.6 | 73 |
| LAKHIMPUR | 62 | 48.1 | 36 | 27.9 | 40 | 31.0 | 34 | 26.4 | 26 | 20.2 | 23 | 17.8 | 129 |
| MORIGAON | 98 | 64.1 | 102 | 66.7 | 98 | 64.1 | 62 | 40.5 | 51 | 33.3 | 48 | 31.4 | 153 |
| NAGAON | 103 | 64.0 | 118 | 73.3 | 95 | 59.0 | 80 | 49.7 | 65 | 40.4 | 49 | 30.4 | 161 |
| NALBARI | 54 | 54.5 | 51 | 51.5 | 67 | 67.7 | 58 | 58.6 | 38 | 38.4 | 35 | 35.4 | 99 |
| SIVSAGAR | 90 | 70.9 | 110 | 86.6 | 90 | 70.9 | 59 | 46.5 | 44 | 34.6 | 41 | 32.3 | 127 |
| SONITPUR | 87 | 86.1 | 89 | 88.1 | 66 | 65.3 | 61 | 60.4 | 46 | 45.5 | 38 | 37.6 | 101 |
| TINSUKIA | 114 | 73.1 | 106 | 67.9 | 78 | 50.0 | 79 | 50.6 | 26 | 16.7 | 23 | 14.7 | 156 |
| UDALGURI | 78 | 74.3 | 91 | 86.7 | 76 | 72.4 | 36 | 34.3 | 64 | 61.0 | 61 | 58.1 | 105 |
| Assam | 1958 | 59.7 | 2416 | 73.7 | 1816 | 55.4 | 1115 | 34.0 | 978 | 29.8 | 829 | 25.3 | 3278 |

Coverage Evaluation Survey, Assam-2013 93 | Page