HMIS Trend Analysis - Assam

***2008 - 09 to Apr’13 to Dec’13***

Dr. Sandhya Ahuja

3/4/2014

|  |
| --- |
| **Assam- ANC Registration**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Pregnancies** | **808,923** | **811,115** | **809,689** | **803,223** | **806,077** | **819,726** |
| **Reported ANC Registration** | **736,696** | **734,711** | **772,510** | **803,938** | **804,088** | **598,040** |
| **Assam- % ANC Registration against expected pregnancies**  | **91%** | **91%** | **95%** | **100%** | **100%** | **73%** |

|  |
| --- |
| **Assam- ANC Services**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Reported ANC Registration** | **736,696** | **734,711** | **772,510** | **803,938** | **804,088** | **598,040** |
| **ANC registered within first trimester** | **256,621** | **278,232** | **357,440** | **418,099** | **492,777** | **415,943** |
| **Assam- % ANC Registration in 1st Trimester against Reported ANC Registration**  | **35%** | **38%** | **46%** | **52%** | **61%** | **70%** |
| **New women registered under JSY** | **169,420** | **522,790** | **651,136** | **703,285** | **725,123** | **554,186** |
| **Assam- % JSY Registration against Reported ANC Registration -Apr'12 to March'13** | **23%** | **71%** | **84%** | **87%** | **90%** | **93%** |
| **Number of pregnant women received 3 ANC check ups** | **383,289** | **411,191** | **494,806** | **534,996** | **572,964** | **469,284** |
| **Assam- % 3 ANC Check ups against Reported ANC Registration**  | **52%** | **56%** | **64%** | **67%** | **71%** | **78%** |
| **TT1** | **588,861** | **571,503** | **593,699** | **621,220** | **616,251** | **481,277** |
| **Assam- % TT1 against ANC Registration**  | **80%** | **78%** | **77%** | **77%** | **77%** | **80%** |
| **TT2 or Booster** | **581,456** | **580,859** | **602,063** | **633,637** | **654,487** | **512,135** |
| **Assam- % TT2 against Reported ANC Registration**  | **79%** | **79%** | **78%** | **79%** | **81%** | **86%** |
| **Total number of pregnant women given 100 IFA tablets** | **529,794** | **625,713** | **668,003** | **696,583** | **628,110** | **429,986** |
| **Assam- % ANC Pregnant Women given 100 IFA Tablets against Reported ANC Registration**  | **72%** | **85%** | **86%** | **87%** | **78%** | **72%** |

|  |
| --- |
| **Assam - Complications Reflecting Quality of ANC**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Reported ANC Registration** |  **736,696**  |  **734,711**  |  **772,510**  |  **803,938**  |  **804,088**  |  **598,040**  |
| **New cases of BP detected at institution** | **6** | **10084** | **14051** | **15683** | **16163** | **13688** |
| **Assam - % High BP cases detected against Reported ANC Registration -Apr'12 to March'13** | **0.0%** | **1.4%** | **1.8%** | **2.0%** | **2%** | **2%** |
| **Number of Eclampsia cases managed during delivery** | **2** | **1280** | **1500** | **2140** | **1045** | **535** |
| **Assam - % Eclampsia Cases Manged against Reported ANC Registration**  | **0.00%** | **0.17%** | **0.19%** | **0.27%** | **0.13%** | **0.09%** |
| **Number having Hb level<11 (tested cases)** | **249** | **34214** | **91944** | **174715** | **532345** | **374017** |
| **Assam - % HB<11 gms against Reported ANC Registration -Apr'12 to March'13** | **0.0%** | **4.7%** | **11.9%** | **21.7%** | **66%** | **63%** |
| **Number having severe anaemia (Hb<7) treated at institution** | **5** | **3019** | **5789** | **5848** | **14278** | **3952** |
| **Assam - %Severe Anaemia(HB < 7) treated against Reported ANC Registration**  | **0.0%** | **0.4%** | **0.7%** | **0.7%** | **2%** | **1%** |

|  |
| --- |
| **Assam - Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Deliveries** | **735,385** | **737,377** | **736,081** | **730,203** | **732,797** | **745,206** |
| **Home SBA** | **35,421** | **25,477** | **15,095** | **10,481** | **8,713** | **8,338** |
| **Home Non SBA** | **111,324** | **89,095** | **104,761** | **104,300** | **91,381** | **65,896** |
| **Total Home Deliveries** | **146,745** | **114,572** | **119,856** | **114,781** | **100,094** | **74,234** |
| **Assam- % Home Deliveries against expected Deliveries**  | 20% | 16% | 16% | 16% | 14% | 10% |
| **Institutional (Pub)** | **348,564** | **374,527** | **391,151** | **429,402** | **448,446** | **338,862** |
| **Institutional (Pvt)** | **11,835** | **22,583** | **24,745** | **34,779** | **41,589** | **33,511** |
| **Total Institutional Deliveries** | **360,399** | **397,110** | **415,896** | **464,181** | **490,035** | **372,373** |
| **Assam - % Institutional Deliveries against expected Deliveries**  | 49% | 54% | 57% | 64% | 67% | 50% |
| **Total Reported Deliveries** | **507,144** | **511,682** | **535,752** | **578,962** | **590,129** | **446,607** |
| **Assam - % Unreported Deliveries against expected Deliveries**  | 31% | 31% | 27% | 21% | 19% | 40% |

|  |
| --- |
| **Assam -% Deliveries against Reported**  |
|  |  **2008-09**  |  **2009-10**  |  **2010-11**  |  **2011-12**  |  **2012-13**  |  **Apr'13-Dec'13**  |
| **Assam- % Home Deliveries(SBA) against Reported Deliveries** | 7% | 5% | 3% | 2% | 1% | 2% |
| **Assam- % Home Deliveries(Non SBA) against Reported Deliveries** | 22% | 17% | 20% | 18% | 15% | 15% |
| **Assam- % Institutional Deliveries against Reported Deliveries** | 71% | 78% | 78% | 80% | 83% | 83% |

|  |
| --- |
| **Assam - C- Section Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total Reported Institutional Deliveries** |  **360,399**  |  **397,110**  |  **415,896**  |  **464,181**  |  **490,035**  |  **372,373**  |
| **C- Section Deliveries (Pub)** | **21246** | **23700** | **30168** | **38405** | **45494** | **39763** |
| **C- Section Deliveries (Pvt)** | **10154** | **7871** | **9359** | **16715** | **20288** | **15477** |
| **Total C- Section Deliveries (Pub & Pvt)** | **31400** | **31571** | **39527** | **55120** | **65782** | **55240** |
| **Assam - C - Section deliveries against Institutional(Pub & Pvt) deliveries** | **9%** | **8%** | **10%** | **12%** | **13%** | **15%** |

|  |
| --- |
| **Assam - Stay Duration for Institutional Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total Reported Institutional Deliveries(Pub + Pvt)** | **360,399** | **397,110** | **415,896** | **464,181** | **490,035** | **372,373** |
| **Stay Duration less than 48 hrs** | **25231** | **200994** | **230049** | **242777** | **240027** | **161784** |
| **Assam - Duration of stay less than 48 hrs as Percentage of Reported Institutional Deliveries** | **7%** | **51%** | **55%** | **52%** | **49%** | **43%** |

|  |
| --- |
| **Assam - Abortions**  |
| **Abortion** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **MTP - Up to 12 weeks of pregnancy** | **63015** | **60010** | **59576** | **63596** | **56641** | **39324** |
| **MTP - More than 12 weeks of pregnancy** | **12796** | **7060** | **7969** | **5081** | **4590** | **4079** |
| **Total MTP in Public Facilities** | **75811** | **67070** | **67545** | **68677** | **61231** | **43403** |
| **Number of MTPs conducted at Private Facilities** | **2017** | **3020** | **2932** | **2189** | **2826** | **2595** |
| **Abortions ( Induced/Spontaneous)** | **46778** | **53501** | **61254** | **68403** | **63705** | **51854** |

|  |
| --- |
| **Assam - Post Natal Check Up**  |
|  **Post Natal Check Up** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **% Women receiving post partum check-up within 48 hours after delivery against total deliveries** | **28%** | **46%** | **56%** | **59%** | **69%** | **72%** |
|  **% Women getting a post partum check up between 48 hours and 14 days against total deliveries** | **23%** | **31%** | **42%** | **42%** | **52%** | **62%** |

|  |
| --- |
| **Assam- JSY Payments**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Home Deliveries** | **146,745** | **114,572** | **119,856** | **114,781** | **100,094** | **74,234** |
| **JSY Paid to mothers for Home Deliveries** | **99** | **212** | **325** | **155** | **1568** | **2078** |
| **Assam - JSY paid to mothers -%age of Reported Home deliveries** | **0%** | **0%** | **0%** | **0%** | **2%** | **3%** |
| **Institutional Deliveries(Pub)** | **348,564** | **374,527** | **391,151** | **429,402** | **448,446** | **338,862** |
| **JSY Paid to mothers for Institutional Deliveries(Pub)** | **229851** | **349690** | **361775** | **387457** | **418535** | **321215** |
| **Assam - JSY paid to mothers -%age of Reported Institutional deliveries - Public** | **66%** | **93%** | **92%** | **90%** | **93%** | **95%** |
| **Institutional Deliveries(Pvt)** | **11,835** | **22,583** | **24,745** | **34,779** | **41,589** | **33,511** |
| **JSY Paid to mothers for Institutional Deliveries(Pvt)** | **4759** | **8102** | **6318** | **8704** | **6205** | **4154** |
| **Assam - JSY paid to mothers -%age of Reported Institutional deliveries - Pvt** | **40%** | **36%** | **26%** | **25%** | **15%** | **12%** |

|  |
| --- |
| **Assam - Newborn Care**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Live Births** | **712,582** | **715,553** | **715,336** | **710,659** | **713,184** | **725,261** |
| **Reported Live Births** | **487948** | **489126** | **525827** | **557955** | **576294** | **441367** |
| **Assam - %ge Reported Live Births against Estimated Live Births** | **68%** | **68%** | **74%** | **79%** | **81%** | **61%** |
| **Newborns Weighed** | 386,620 | 403,399 | 440,506 | 475,341 | 529,152 | 423,685 |
| **Assam - %ge Newborns weighed against Reported Live Births** | **79%** | **82%** | **84%** | **85%** | **92%** | **96%** |
| **Newborns Weighed Less than 2.5kgs** | 47,041 | 45,769 | 48,719 | 49,119 | 129,914 | 89,937 |
| **Assam - %ge Newborns weighed less than 2.5 Kgs against Newborn weighed** | **10%** | **9%** | **9%** | **9%** | **23%** | **20%** |
| **Newborns Breastfed within 1 hr of Birth** | 53,723 | 299,304 | 461,311 | 492,990 | 540,622 | 411,338 |
| **Assam - %ge Newborns Breastfed within 1 hr of Birth against Reported Live Births** | **11%** | **61%** | **88%** | **88%** | **94%** | **93%** |
| **Still Births** | 12205 | 12919 | 15081 | 14649 | 14523 | 10807 |
| **Abortions - Spontaneous/Induced** | 46778 | 53501 | 61254 | 68403 | 63705 | 51854 |

|  |
| --- |
| **Assam - Child Immunisation ( 0 to 11mnth )**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Live Births** | **712,582** | **715,553** | **715,336** | **710,659** | **713,184** | **725,261** |
| **Measles Given ( 0 -11 mnth)** | **572867** | **582558** | **584844** | **597149** | **602430** | **453024** |
| **Fully Immunised ( 0 -11 mnth)** | **531357** | **564782** | **574330** | **584732** | **590079** | **444744** |
| **Assam- Fully Immunised ( 0 to 11 mnths) Against Expected Live Births** | **75%** | **79%** | **80%** | **82%** | **83%** | **61%** |
| **Reported Live Births** | 487,948 | 489,126 | 525,827 | 557,955 | 576,294 | 441,367 |
| **Assam- Fully Immunised ( 0 to 11 mnths) Against Reported Live Births** | **109%** | **115%** | **109%** | **105%** | **102%** | **101%** |
| **Deaths Due to Immunisation** | 0 | 9 | 15 | 23 | 4 | 19 |
| **Assam - BCG to Measels Drop out Rate**  | **19%** | **12%** | **12%** | **2%** | **10%** | **-2%** |

|  |
| --- |
| **Assam - VHND & Immunisation Sessions**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Required numbers of VHNDs per thousand population in 12 mnths** | **357,782** | **181,920** | **185,001** | **187,016** | **190,182** | **193,403** |
| **Immunisation Sessions held as percentage of required VHNDs** | **25%** | **148%** | **171%** | **173%** | **171%** | **126%** |
|  **% Sessions where ASHAs were present** | **89%** | **83%** | **93%** | **94%** | **95%** | **96%** |

|  |
| --- |
| **Assam - Family Planning**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Male Sterilisations** |  1,166  |  13,898  |  12,567  |  7,272  |  3,815  |  3,121  |
| **Female Sterilisations** |  49,159  |  66,710  |  65,409  |  71,260  |  56,687  |  32,752  |
| **IUD** |  30,040  |  35,338  |  48,384  |  71,545  |  60,914  |  62,953  |
| **OCP Users ( OCP Cycles/13)** |  43,650  |  61,023  |  80,847  |  111,621  |  114,037  |  82,515  |
| **Condom Users ( Condom Pieces/72 )** |  28,464  |  43,436  |  63,439  |  88,136  |  79,420  |  48,330  |
| **Total FP method Users** |  152,479  |  220,405  |  270,646  |  349,834  |  314,873  |  229,671  |
| **% Of FP users Using Limiting Methods** | **33.00%** | **36.57%** | **28.81%** | **22.45%** | **19.21%** | **15.62%** |
| **% Of FP users Using Spacing Methods** | **67.00%** | **63.43%** | **71.19%** | **77.55%** | **80.79%** | **84.38%** |

|  |
| --- |
| **Assam- Service Delivery**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Population** | **29,815,149** | **30,320,027** | **30,833,455** | **31,169,272** | **31,697,080** | **32,233,826** |
| **Total OPD** | 3,215,315 | 11,599,103 | 19,332,248 | 22,509,783 | 23,726,227 | 22,991,234 |
| **Total IPD** | 61,254 | 490,248 | 740,588 | 806,408 | 1,034,257 | 884,950 |
| **OPD per 1000 population** | **107.84** | **382.56** | **626.99** | **722.18** | **748.53** | **713.26** |
| **IPD per 1000 population** | 2.05 | 16.17 | 24.02 | 25.87 | 32.63 | 27.45 |
| **Operation Major( General and Spinal Anaesthesia)** | 2262.00 | 15,294 | 29,479 | 39,037 | 35,740 | 23,664 |
| **Operation Major per 100000 population** | **7.59** | **50.44** | **95.61** | **125.24** | **112.75** | **73.41** |
| **Operation Minor( No or local Anaesthesia)** | 261 | 14,054 | 19,740 | 21,251 | 25,271 | 21,799 |
| **Operation Minor as % of OPD** | **0.01%** | **0.12%** | **0.10%** | **0.09%** | **0.11%** | **0.09%** |
| **AYUSH** | 788 | 40,140 | 275,113 | 466,061 | 470,715 | 503,021 |
| **Ayush as % of OPD** | **0.0%** | **0.3%** | **1.4%** | **2.1%** | **2.0%** | **2.2%** |
| **Dental Procedures** | 1,675 | 39,687 | 74,764 | 98,934 | 106,563 | 90,709 |
| **Dental Procedures as % of OPD** | **0.05%** | **0.34%** | **0.39%** | **0.44%** | **0.45%** | **0.39%** |
| **Adolescent Counselling** | - | 1,536 | 2,994 | 4,494 | 2,323 | 9,176 |
| **Adolescent Counselling as % of OPD** | **0.00%** | **0.01%** | **0.02%** | **0.02%** | **0.01%** | **0.04%** |

|  |
| --- |
| **Assam - Childhood Diseases**  |
| **Types of Diseases** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Population** | **29,815,149** | **30,320,027** | **30,833,455** | **31,169,272** | **31,697,080** | **32,233,826** |
| **Diphtheria**  | **31** | **0** | **43** | **0** | **0** | **0** |
| **Pertussis**  | **0** | **0** | **7** | **0** | **0** | **3** |
| **Tetanus Neonatorum** | **7** | **8** | **5** | **3** | **5** | **0** |
| **Tetanus others** | **1** | **0** | **2** | **1** | **4** | **1** |
| **Polio** | **1** | **0** | **0** | **0** | **0** | **0** |
| **Measles** | **8719** | **9454** | **6826** | **6052** | **4249** | **3539** |
| **Diarrhoea and dehydration** | **142104** | **124025** | **116510** | **131198** | **149508** | **105511** |
| **Malaria** | **20321** | **11418** | **14764** | **9098** | **3524** | **1610** |
| **Number admitted with Respiratory Infections** | **88168** | **46279** | **18926** | **16807** | **10827** | **35721** |

|  |
| --- |
| **Assam -Lab Tests**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total HB tested** | 866 | 90,150 | 287,635 | 570,737 | 1,270,666 | 1,197,198 |
| **HB Tested as %age of OPD** | **332%** | **641%** | **1457%** | **2686%** | **5028%** | **5492%** |
| **HB <7 gm as %age of HB tested** | **25.17%** | **9.85%** | **6.41%** | **6.77%** | **3.52%** | **2.25%** |
| **Total HIV tested** | 412 | 16,294 | 30,282 | 45,915 | 50,758 | 45,714 |
| **HIV Tested as %age of OPD** | **158%** | **116%** | **153%** | **216%** | **201%** | **210%** |
| **HIV Tested positive as %age of HIV tested** | 13% | 27% | 36% | 32% | 33% | 23% |
| **Total VDRL Tested** | 175 | 16,612 | 59,883 | 119,932 | 168,478 | 89,988 |
| **VDRL Tested as %age of OPD** | **67.0%** | **118.2%** | **303.4%** | **564.4%** | **666.7%** | **412.8%** |
| **Total Widal Test Conducted** | 0 | 6675 | 22969 | 40373 | 57827 | 55627 |
| **Widal Test Conducted as %age of OPD** | **0.0%** | **47.5%** | **116.4%** | **190.0%** | **228.8%** | **255.2%** |
| **Blood Smear Examined** | 184,617 | 1,009,909 | 2,956,963 | 2,780,531 | 2,596,198 | 1,989,108 |
| **Blood Smear Examined as %age of population** | **1%** | **3%** | **10%** | **9%** | **8%** | **6%** |

|  |
| --- |
| **Assam - Infant Deaths upto 5 yrs**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Infant deaths within 24 hrs of Birth** | **248** | **183** | **204** | **251** | **335** | **207** |
| **Infant deaths between 24 hrs to 4weeks of Birth** | **647** | **976** | **1395** | **1431** | **3281** | **2359** |
| **Infant deaths between 1 month to11months of Birth** | **294** | **671** | **862** | **831** | **1769** | **1159** |
| **Infant deaths between 1 year to 5 yrs of Birth**  | **266** | **501** | **456** | **400** | **487** | **301** |
| **Total** | **1455** | **2331** | **2917** | **2913** | **5872** | **4026** |

|  |
| --- |
| **Assam - Maternal Deaths**  |
| **2008-09** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Abortions** | **0** | **37** | **21** | **23** | **27** | **22** |
| **Obstructed/prolonged Labour** | **62** | **31** | **50** | **58** | **66** | **22** |
| **Severe Hypertension/Fits** | **1** | **44** | **89** | **121** | **122** | **84** |
| **Bleeding** | **1** | **65** | **82** | **101** | **140** | **96** |
| **High Fever** | **1** | **20** | **34** | **16** | **41** | **17** |
| **Other Causes** | **104** | **340** | **348** | **461** | **672** | **394** |
| **Total deaths** | **169** | **537** | **624** | **780** | **1068** | **635** |

|  |
| --- |
| **Assam - Deaths ( others)**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Diarrhoeal Diseases**  | **2** | **120** | **144** | **91** | **203** | **66** |
| **Tuberculosis** | **0** | **71** | **205** | **347** | **468** | **378** |
| **Respiratory Diseases(Other than TB)** | **3** | **343** | **714** | **990** | **1020** | **707** |
| **Malaria**  | **2** | **31** | **118** | **71** | **144** | **62** |
| **Other fever Related** | **12** | **423** | **946** | **575** | **1462** | **698** |
| **HIV/AIDS** | **0** | **5** | **27** | **17** | **20** | **14** |
| **Heart Disease/ Hypertension related**  | **2** | **496** | **1237** | **1715** | **2547** | **2550** |
| **Neurological Disease including strokes**  | **2** | **236** | **664** | **784** | **1340** | **812** |
| **Trauma/Accidents/ Burn Cases** | **4** | **236** | **491** | **833** | **1270** | **1195** |
| **Suicide**  | **0** | **123** | **270** | **482** | **720** | **619** |
| **Animal Bites & Stings**  | **0** | **47** | **178** | **278** | **265** | **138** |
| **Known Acute Disease**  | **0** | **247** | **649** | **939** | **1790** | **1467** |
| **Known Chronic Disease**  | **0** | **405** | **1241** | **1918** | **3476** | **3091** |
| **Causes not known**  | **39** | **1004** | **2614** | **3040** | **9686** | **9494** |
|  **Total Deaths**  | **66** | **3787** | **9498** | **12080** | **24411** | **21291** |