HMIS Trend Analysis - Bihar

***2008 - 09 to Apr’13 to Dec’13***

Dr. Sandhya Ahuja

3/4/2014

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| **Bihar- ANC Registration**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Pregnancies** | **3,188,364** | **3,216,784** | **3,244,805** | **3,232,512** | **3,311,923** | **3,394,947** |
| **Reported ANC Registration** | **1,179,314** | **1,816,778** | **2,270,420** | **2,517,011** | **2,435,830** | **1,831,179** |
| **Bihar- % ANC Registration against expected pregnancies**  | **37%** | **56%** | **70%** | **78%** | **74%** | **54%** |

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| **Bihar- ANC Services**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Reported ANC Registration** | **1,179,314** | **1,816,778** | **2,270,420** | **2,517,011** | **2,435,830** | **1,831,179** |
| **ANC registered within first trimester** | **464,798** | **810,572** | **1,194,248** | **1,318,555** | **1,080,025** | **784,842** |
| **Bihar- % ANC Registration in 1st Trimester against Reported ANC Registration**  | **39%** | **45%** | **53%** | **52%** | **44%** | **43%** |
| **New women registered under JSY** | **531,644** | **905,049** | **1,459,507** | **2,114,704** | **2,303,674** | **1,773,102** |
| **Bihar- % JSY Registration against Reported ANC Registration -Apr'12 to March'13** | **45%** | **50%** | **64%** | **84%** | **95%** | **97%** |
| **Number of pregnant women received 3 ANC check ups** | **608,141** | **802,089** | **1,141,968** | **1,370,611** | **1,373,228** | **1,102,214** |
| **Bihar- % 3 ANC Check ups against Reported ANC Registration**  | **52%** | **44%** | **50%** | **54%** | **56%** | **60%** |
| **TT1** | **1,215,269** | **2,051,636** | **1,841,828** | **2,122,665** | **1,985,702** | **1,458,243** |
| **Bihar- % TT1 against ANC Registration**  | **103%** | **113%** | **81%** | **84%** | **82%** | **80%** |
| **TT2 or Booster** | **1,146,649** | **1,689,094** | **1,805,786** | **2,136,147** | **2,036,066** | **1,648,758** |
| **Bihar- % TT2 against Reported ANC Registration**  | **97%** | **93%** | **80%** | **85%** | **84%** | **90%** |
| **Total number of pregnant women given 100 IFA tablets** | **536,070** | **2,376,612** | **2,082,181** | **1,912,281** | **1,745,550** | **1,085,917** |
| **Bihar- % ANC Pregnant Women given 100 IFA Tablets against Reported ANC Registration**  | **45%** | **131%** | **92%** | **76%** | **72%** | **59%** |

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| **Bihar - Complications Reflecting Quality of ANC**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Reported ANC Registration** | **1,179,314** | **1,816,778** | **2,270,420** | **2,517,011** | **2,435,830** | **1,831,179** |
| **New cases of BP detected at institution** | **5074** | **33719** | **47384** | **50061** | **78287** | **40173** |
| **Bihar - % High BP cases detected against Reported ANC Registration -Apr'12 to March'13** | **0.4%** | **1.9%** | **2.1%** | **2.0%** | **3%** | **2%** |
| **Number of Eclampsia cases managed during delivery** | **682** | **6257** | **10147** | **6372** | **3573** | **1804** |
| **Bihar - % Eclampsia Cases Manged against Reported ANC Registration**  | **0.06%** | **0.34%** | **0.45%** | **0.25%** | **0.15%** | **0.10%** |
| **Number having Hb level<11 (tested cases)** | **49495** | **85365** | **107170** | **116912** | **177204** | **176725** |
| **Bihar - % HB<11 gms against Reported ANC Registration -Apr'12 to March'13** | **4.2%** | **4.7%** | **4.7%** | **4.6%** | **7%** | **10%** |
| **Number having severe anaemia (Hb<7) treated at institution** | **11216** | **18751** | **31476** | **16075** | **13582** | **8169** |
| **Bihar - %Severe Anaemia(HB < 7) treated against Reported ANC Registration**  | **1.0%** | **1.0%** | **1.4%** | **0.6%** | **1%** | **0%** |

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| **Bihar - Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Deliveries** | **2,898,513** | **2,924,349** | **2,949,823** | **2,938,647** | **3,010,839** | **3,086,315** |
| **Home SBA** | **139,283** | **105,347** | **92,267** | **135,792** | **107,448** | **61,664** |
| **Home Non SBA** | **91,181** | **60,453** | **116,224** | **253,488** | **345,139** | **228,090** |
| **Total Home Deliveries** | **230,464** | **165,800** | **208,491** | **389,280** | **452,587** | **289,754** |
| **Bihar- % Home Deliveries against expected Deliveries**  | 8% | 6% | 7% | 13% | 15% | 9% |
| **Institutional (Pub)** | **535,688** | **955,785** | **1,232,668** | **1,410,066** | **1,426,061** | **1,068,838** |
| **Institutional (Pvt)** | **-** | **12,406** | **7,919** | **11,011** | **4,766** | **771** |
| **Total Institutional Deliveries** | **535,688** | **968,191** | **1,240,587** | **1,421,077** | **1,430,827** | **1,069,609** |
| **Bihar - % Institutional Deliveries against expected Deliveries**  | 18% | 33% | 42% | 48% | 48% | 35% |
| **Total Reported Deliveries** | **766,152** | **1,133,991** | **1,449,078** | **1,810,357** | **1,883,414** | **1,359,363** |
| **Bihar - % Unreported Deliveries against expected Deliveries**  | 74% | 61% | 51% | 38% | 37% | 56% |

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| **Bihar -% Deliveries against Reported**  |
|  |  **2008-09**  |  **2009-10**  |  **2010-11**  |  **2011-12**  |  **2012-13**  |  **Apr'13-Dec'13**  |
| **Bihar- % Home Deliveries(SBA) against Reported Deliveries** | 18% | 9% | 6% | 8% | 6% | 5% |
| **Bihar- % Home Deliveries(Non SBA) against Reported Deliveries** | 12% | 5% | 8% | 14% | 18% | 17% |
| **Bihar- % Institutional Deliveries against Reported Deliveries** | 70% | 85% | 86% | 78% | 76% | 79% |

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| **Bihar - C- Section Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total Reported Institutional Deliveries** | **535,688** | **968,191** | **1,240,587** | **1,421,077** | **1,430,827** | **1,069,609** |
| **C- Section Deliveries (Pub)** | **36161** | **8632** | **12428** | **15081** | **18547** | **11299** |
| **C- Section Deliveries (Pvt)** | **65** | **572** | **2558** | **3534** | **487** | **345** |
| **Total C- Section Deliveries (Pub & Pvt)** | **36226** | **9204** | **14986** | **18615** | **19034** | **11644** |
| **Bihar - C - Section deliveries against Institutional(Pub & Pvt) deliveries** | **7%** | **1%** | **1%** | **1%** | **1%** | **1%** |

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| **Bihar - 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)** | **535,688** | **968,191** | **1,240,587** | **1,421,077** | **1,430,827** | **1,069,609** |
| **Stay Duration less than 48 hrs** | **399516** | **646921** | **884057** | **1056185** | **1241691** | **960096** |
| **Bihar - Duration of stay less than 48 hrs as Percentage of Reported Institutional Deliveries** | **75%** | **67%** | **71%** | **74%** | **87%** | **90%** |

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| **Bihar - Abortions**  |
| **Abortion** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **MTP - Up to 12 weeks of pregnancy** | **3957** | **7908** | **7865** | **4729** | **4988** | **3908** |
| **MTP - More than 12 weeks of pregnancy** | **4123** | **3473** | **5420** | **4335** | **2564** | **1057** |
| **Total MTP in Public Facilities** | **8080** | **11381** | **13285** | **9064** | **7552** | **4965** |
| **Number of MTPs conducted at Private Facilities** | **1102** | **3043** | **3401** | **4065** | **3593** | **2176** |
| **Abortions ( Induced/Spontaneous)** | **735** | **3498** | **1916** | **3942** | **7043** | **4430** |

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| **Bihar - 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** | **47%** | **39%** | **43%** | **47%** | **55%** | **55%** |
|  **% Women getting a post partum check up between 48 hours and 14 days against total deliveries** | **17%** | **13%** | **18%** | **25%** | **37%** | **35%** |

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| **Bihar- JSY Payments**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Home Deliveries** | **230,464** | **165,800** | **208,491** | **389,280** | **452,587** | **289,754** |
| **JSY Paid to mothers for Home Deliveries** | **46854** | **12351** | **12241** | **11622** | **6294** | **1536** |
| **Bihar - JSY paid to mothers -%age of Reported Home deliveries** | **20%** | **7%** | **6%** | **3%** | **1%** | **1%** |
| **Institutional Deliveries(Pub)** | **535,688** | **955,785** | **1,232,668** | **1,410,066** | **1,426,061** | **1,068,838** |
| **JSY Paid to mothers for Institutional Deliveries(Pub)** | **427820** | **4472395** | **825496** | **914816** | **1316093** | **963539** |
| **Bihar - JSY paid to mothers -%age of Reported Institutional deliveries - Public** | **80%** | **468%** | **67%** | **65%** | **92%** | **90%** |
| **Institutional Deliveries(Pvt)** | **-** | **12,406** | **7,919** | **11,011** | **4,766** | **771** |
| **JSY Paid to mothers for Institutional Deliveries(Pvt)** | **14853** | **786557** | **74744** | **23168** | **0** | **0** |
| **Bihar - JSY paid to mothers -%age of Reported Institutional deliveries - Pvt** | **#DIV/0!** | **6340%** | **944%** | **210%** | **0%** | **0%** |

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| **Bihar - Newborn Care**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Live Births** | **2,819,565** | **2,850,243** | **2,880,686** | **2,875,388** | **2,947,469** | **3,021,356** |
| **Reported Live Births** | **908811** | **1145168** | **1284084** | **1696443** | **1902179** | **1357218** |
| **Bihar - %ge Reported Live Births against Estimated Live Births** | **32%** | **40%** | **45%** | **59%** | **65%** | **45%** |
| **Newborns Weighed** | 681,717 | 772,945 | 1,012,861 | 1,360,364 | 1,662,896 | 1,247,182 |
| **Bihar - %ge Newborns weighed against Reported Live Births** | **75%** | **67%** | **79%** | **80%** | **87%** | **92%** |
| **Newborns Weighed Less than 2.5kgs** | 172,169 | 132,536 | 203,960 | 155,667 | 129,668 | 91,894 |
| **Bihar - %ge Newborns weighed less than 2.5 Kgs against Newborn weighed** | **19%** | **12%** | **16%** | **9%** | **7%** | **7%** |
| **Newborns Breastfed within 1 hr of Birth** | 381,669 | 654,008 | 903,949 | 1,294,108 | 1,703,062 | 1,280,157 |
| **Bihar - %ge Newborns Breastfed within 1 hr of Birth against Reported Live Births** | **42%** | **57%** | **70%** | **76%** | **90%** | **94%** |
| **Still Births** | 16833 | 36086 | 28185 | 33074 | 33696 | 23099 |
| **Abortions - Spontaneous/Induced** | 735 | 3498 | 1916 | 3942 | 7043 | 4430 |

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| **Bihar - Child Immunisation ( 0 to 11mnth )**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Live Births** | **2,819,565** | **2,850,243** | **2,880,686** | **2,875,388** | **2,947,469** | **3,021,356** |
| **Measles Given ( 0 -11 mnth)** | **2012853** | **1946230** | **1926486** | **2277318** | **2192366** | **1536436** |
| **Fully Immunised ( 0 -11 mnth)** | **3099420** | **2443405** | **2504460** | **2236185** | **2127549** | **1494404** |
| **Bihar- Fully Immunised ( 0 to 11 mnths) Against Expected Live Births** | **110%** | **86%** | **87%** | **78%** | **72%** | **49%** |
| **Reported Live Births** | 908,811 | 1,145,168 | 1,284,084 | 1,696,443 | 1,902,179 | 1,357,218 |
| **Bihar- Fully Immunised ( 0 to 11 mnths) Against Reported Live Births** | **341%** | **213%** | **195%** | **132%** | **112%** | **110%** |
| **Deaths Due to Immunisation** | 8 | 197 | 2 | 348 | 10 | 0 |
| **Bihar - BCG to Measels Drop out Rate**  | **17%** | **10%** | **14%** | **3%** | **11%** | **6%** |

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| **Bihar - 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** | **1,170,754** | **600,051** | **615,093** | **622,828** | **638,441** | **654,445** |
| **Immunisation Sessions held as percentage of required VHNDs** | **50%** | **113%** | **153%** | **181%** | **183%** | **124%** |
|  **% Sessions where ASHAs were present** | **70%** | **70%** | **76%** | **80%** | **82%** | **85%** |

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| **Bihar - Family Planning**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Male Sterilisations** |  29,507  |  30,904  |  9,564  |  6,675  |  5,814  |  1,559  |
| **Female Sterilisations** |  221,043  |  276,036  |  503,977  |  490,227  |  569,011  |  194,641  |
| **IUD** |  41,606  |  177,495  |  228,959  |  317,893  |  384,018  |  279,871  |
| **OCP Users ( OCP Cycles/13)** |  15,530  |  44,970  |  44,443  |  80,277  |  69,434  |  42,144  |
| **Condom Users ( Condom Pieces/72 )** |  51,389  |  66,824  |  90,102  |  115,117  |  101,997  |  62,490  |
| **Total FP method Users** |  359,075  |  596,228  |  877,045  |  1,010,189  |  1,130,274  |  580,705  |
| **% Of FP users Using Limiting Methods** | **69.78%** | **51.48%** | **58.55%** | **49.19%** | **50.86%** | **33.79%** |
| **% Of FP users Using Spacing Methods** | **30.22%** | **48.52%** | **41.45%** | **50.81%** | **49.14%** | **66.21%** |

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| **Bihar- Service Delivery**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Population** | **97,562,799** | **100,008,510** | **102,515,531** | **103,804,637** | **106,406,819** | **109,074,233** |
| **Total OPD** | 19,018,352 | 28,071,126 | 40,732,287 | 65,224,177 | 74,538,606 | 53,405,978 |
| **Total IPD** | 909,338 | 963,480 | 2,448,938 | 4,150,153 | 4,207,909 | 2,849,780 |
| **OPD per 1000 population** | **194.93** | **280.69** | **397.33** | **628.34** | **700.51** | **489.63** |
| **IPD per 1000 population** | 9.32 | 9.63 | 23.89 | 39.98 | 39.55 | 26.13 |
| **Operation Major( General and Spinal Anaesthesia)** | 66284.00 | 86,438 | 104,200 | 122,662 | 409,312 | 231,295 |
| **Operation Major per 100000 population** | **67.94** | **86.43** | **101.64** | **118.17** | **384.67** | **212.05** |
| **Operation Minor( No or local Anaesthesia)** | 143,220 | 272,929 | 340,750 | 474,490 | 1,017,803 | 1,028,298 |
| **Operation Minor as % of OPD** | **0.75%** | **0.97%** | **0.84%** | **0.73%** | **1.37%** | **1.93%** |
| **AYUSH** | 2,093 | 21,125 | 858,133 | 5,720,324 | 11,590,186 | 10,676,547 |
| **Ayush as % of OPD** | **0.0%** | **0.1%** | **2.1%** | **8.8%** | **15.5%** | **20.0%** |
| **Dental Procedures** | 8,722 | 110,843 | 438,475 | 1,451,176 | 2,393,463 | 1,797,760 |
| **Dental Procedures as % of OPD** | **0.05%** | **0.39%** | **1.08%** | **2.22%** | **3.21%** | **3.37%** |
| **Adolescent Counselling** | 287 | 43,179 | 172,328 | 188,595 | 146,854 | 92,781 |
| **Adolescent Counselling as % of OPD** | **0.00%** | **0.15%** | **0.42%** | **0.29%** | **0.20%** | **0.17%** |

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| **Bihar - Childhood Diseases**  |
| **Types of Diseases** |  **2008-09**  |  **2009-10**  |  **2010-11**  |  **2011-12**  |  **2012-13**  |  **Apr'13-Dec'13**  |
| **Population** | **97,562,799** | **100,008,510** | **102,515,531** | **103,804,637** | **106,406,819** | **109,074,233** |
| **Diphtheria**  | **220** | **1295** | **1337** | **828** | **1011** | **341** |
| **Pertussis**  | **221** | **68** | **861** | **608** | **385** | **87** |
| **Tetanus Neonatorum** | **157** | **450** | **58** | **138** | **150** | **30** |
| **Tetanus others** | **126** | **334** | **170** | **167** | **275** | **138** |
| **Polio** | **3** | **47** | **0** | **0** | **0** | **1** |
| **Measles** | **1658** | **7914** | **6552** | **6394** | **8528** | **2469** |
| **Diarrhoea and dehydration** | **17573** | **37512** | **45902** | **79336** | **232119** | **366001** |
| **Malaria** | **774** | **5469** | **5842** | **5073** | **9170** | **2995** |
| **Number admitted with Respiratory Infections** | **10943** | **26707** | **43818** | **48157** | **58269** | **14839** |

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| **Bihar -Lab Tests**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total HB tested** |  46,702  |  77,497  |  155,329  |  442,056  |  769,816  |  625,352  |
| **HB Tested as %age of OPD** | **33%** | **28%** | **46%** | **93%** | **76%** | **61%** |
| **HB <7 gm as %age of HB tested** | **7.78%** | **8.02%** | **10.57%** | **8.68%** | **5.87%** | **5.54%** |
| **Total HIV tested** |  19,773  |  27,284  |  45,850  |  93,085  |  114,258  |  89,313  |
| **HIV Tested as %age of OPD** | **14%** | **10%** | **13%** | **20%** | **11%** | **9%** |
| **HIV Tested positive as %age of HIV tested** | 3% | 12% | 12% | 10% | 12% | 13% |
| **Total VDRL Tested** |  5,416  |  12,265  |  25,147  |  54,682  |  71,655  |  56,723  |
| **VDRL Tested as %age of OPD** | **3.8%** | **4.5%** | **7.4%** | **11.5%** | **7.0%** | **5.5%** |
| **Total Widal Test Conducted** | 222 | 5008 | 8504 | 26063 | 34557 | 22286 |
| **Widal Test Conducted as %age of OPD** | **0.2%** | **1.8%** | **2.5%** | **5.5%** | **3.4%** | **2.2%** |
| **Blood Smear Examined** |  33,906  |  73,368  |  68,272  |  131,141  |  215,517  |  121,462  |
| **Blood Smear Examined as %age of population** | **0%** | **0%** | **0%** | **0%** | **0%** | **0%** |
| **Bihar - 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** | **0** | **463** | **816** | **996** | **1207** | **392** |
| **Infant deaths between 24 hrs to 4weeks of Birth** | **356** | **266** | **451** | **720** | **1817** | **902** |
| **Infant deaths between 1 month to11months of Birth** | **64** | **743** | **164** | **660** | **998** | **291** |
| **Infant deaths between 1 year to 5 yrs of Birth**  | **16** | **1520** | **590** | **739** | **1197** | **527** |
| **Total** | **436** | **2992** | **2021** | **3115** | **5219** | **2112** |

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| **Bihar - Maternal Deaths**  |
| **2008-09** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Abortions** | **0** | **18** | **6** | **6** | **32** | **14** |
| **Obstructed/prolonged Labour** | **0** | **11** | **10** | **6** | **29** | **18** |
| **Severe Hypertension/Fits** | **0** | **12** | **2** | **5** | **18** | **22** |
| **Bleeding** | **0** | **103** | **12** | **61** | **76** | **54** |
| **High Fever** | **0** | **77** | **3** | **16** | **30** | **17** |
| **Other Causes** | **5** | **59** | **69** | **192** | **839** | **302** |
| **Total deaths** | **5** | **280** | **102** | **286** | **1024** | **427** |

|  |
| --- |
| **Bihar - Deaths ( others)**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Diarrhoeal Diseases**  | **0** | **491** | **496** | **617** | **482** | **171** |
| **Tuberculosis** | **137** | **279** | **285** | **287** | **318** | **114** |
| **Respiratory Diseases(Other than TB)** | **2** | **171** | **320** | **608** | **961** | **407** |
| **Malaria**  | **0** | **51** | **32** | **86** | **200** | **23** |
| **Other fever Related** | **10** | **402** | **1749** | **983** | **1496** | **584** |
| **HIV/AIDS** | **2** | **5** | **10** | **66** | **72** | **14** |
| **Heart Disease/ Hypertension related**  | **1** | **92** | **101** | **221** | **1135** | **457** |
| **Neurological Disease including strokes**  | **0** | **6** | **38** | **33** | **275** | **80** |
| **Trauma/Accidents/ Burn Cases** | **5** | **89** | **196** | **211** | **652** | **304** |
| **Suicide**  | **0** | **19** | **32** | **66** | **155** | **68** |
| **Animal Bites & Stings**  | **0** | **1377** | **6496** | **230** | **291** | **229** |
| **Known Acute Disease**  | **0** | **1** | **42** | **2835** | **664** | **327** |
| **Known Chronic Disease**  | **0** | **17** | **23** | **1706** | **554** | **326** |
| **Causes not known**  | **10** | **214** | **492** | **1522** | **4903** | **1904** |
|  **Total Deaths**  | **167** | **3214** | **10312** | **9471** | **12158** | **5008** |