HMIS Trend Analysis - Karnataka

***2008 - 09 to Apr’13 to Dec’13***

Dr. Sandhya Ahuja

3/4/2014

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| **Karnataka- ANC Registration**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Pregnancies** | **1,306,064** | **1,303,872** | **1,302,009** | **1,286,306** | **1,283,716** | **1,303,828** |
| **Reported ANC Registration** | **1,148,075** | **1,292,237** | **1,606,448** | **1,590,922** | **1,486,947** | **974,599** |
| **Karnataka- % ANC Registration against expected pregnancies**  | **88%** | **99%** | **123%** | **124%** | **116%** | **75%** |

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| **Karnataka- ANC Services**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Reported ANC Registration** | **1,148,075** | **1,292,237** | **1,606,448** | **1,590,922** | **1,486,947** | **974,599** |
| **ANC registered within first trimester** | **639,012** | **763,325** | **944,747** | **990,377** | **935,225** | **655,700** |
| **Karnataka- % ANC Registration in 1st Trimester against Reported ANC Registration**  | **56%** | **59%** | **59%** | **62%** | **63%** | **67%** |
| **New women registered under JSY** | **291,629** | **554,468** | **649,829** | **714,528** | **685,318** | **553,623** |
| **Karnataka- % JSY Registration against Reported ANC Registration -Apr'12 to March'13** | **25%** | **43%** | **40%** | **45%** | **46%** | **57%** |
| **Number of pregnant women received 3 ANC check ups** | **994,595** | **1,106,598** | **1,299,742** | **1,463,352** | **1,493,107** | **1,040,390** |
| **Karnataka- % 3 ANC Check ups against Reported ANC Registration**  | **87%** | **86%** | **81%** | **92%** | **100%** | **107%** |
| **TT1** | **869,516** | **923,692** | **1,059,436** | **1,155,455** | **1,142,834** | **819,852** |
| **Karnataka- % TT1 against ANC Registration**  | **76%** | **71%** | **66%** | **73%** | **77%** | **84%** |
| **TT2 or Booster** | **1,111,544** | **1,152,762** | **1,183,952** | **1,259,195** | **1,245,414** | **896,211** |
| **Karnataka- % TT2 against Reported ANC Registration**  | **97%** | **89%** | **74%** | **79%** | **84%** | **92%** |
| **Total number of pregnant women given 100 IFA tablets** | **893,747** | **925,512** | **1,207,165** | **1,410,373** | **2,531,956** | **1,042,924** |
| **Karnataka- % ANC Pregnant Women given 100 IFA Tablets against Reported ANC Registration**  | **78%** | **72%** | **75%** | **89%** | **170%** | **107%** |

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| **Karnataka - Complications Reflecting Quality of ANC**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Reported ANC Registration** | **1,148,075** | **1,292,237** | **1,606,448** | **1,590,922** | **1,486,947** | **974,599** |
| **New cases of BP detected at institution** | **16934** | **32669** | **47369** | **55216** | **51346** | **32819** |
| **Karnataka - % High BP cases detected against Reported ANC Registration -Apr'12 to March'13** | **1.5%** | **2.5%** | **2.9%** | **3.5%** | **3%** | **3%** |
| **Number of Eclampsia cases managed during delivery** | **1933** | **6564** | **5227** | **6210** | **6865** | **3667** |
| **Karnataka - % Eclampsia Cases Manged against Reported ANC Registration**  | **0.17%** | **0.51%** | **0.33%** | **0.39%** | **0.46%** | **0.38%** |
| **Number having Hb level<11 (tested cases)** | **76411** | **451726** | **670385** | **870764** | **918442** | **701961** |
| **Karnataka - % HB<11 gms against Reported ANC Registration -Apr'12 to March'13** | **6.7%** | **35.0%** | **41.7%** | **54.7%** | **62%** | **72%** |
| **Number having severe anaemia (Hb<7) treated at institution** | **18812** | **52512** | **55066** | **61534** | **62421** | **35888** |
| **Karnataka - %Severe Anaemia(HB < 7) treated against Reported ANC Registration**  | **1.6%** | **4.1%** | **3.4%** | **3.9%** | **4%** | **4%** |

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| **Karnataka - Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Deliveries** | **1,187,331** | **1,185,338** | **1,183,645** | **1,169,369** | **1,167,014** | **1,185,298** |
| **Home SBA** | **169,018** | **49,038** | **33,306** | **14,719** | **8,537** | **4,880** |
| **Home Non SBA** | **78,224** | **30,873** | **15,124** | **8,819** | **7,830** | **5,098** |
| **Total Home Deliveries** | **247,242** | **79,911** | **48,430** | **23,538** | **16,367** | **9,978** |
| **Karnataka- % Home Deliveries against expected Deliveries**  | 21% | 7% | 4% | 2% | 1% | 1% |
| **Institutional (Pub)** | **719,201** | **687,262** | **651,902** | **590,295** | **617,377** | **445,384** |
| **Institutional (Pvt)** | **1,276** | **150,191** | **68,456** | **198,418** | **220,549** | **181,528** |
| **Total Institutional Deliveries** | **720,477** | **837,453** | **720,358** | **788,713** | **837,926** | **626,912** |
| **Karnataka - % Institutional Deliveries against expected Deliveries**  | 61% | 71% | 61% | 67% | 72% | 53% |
| **Total Reported Deliveries** | **967,719** | **917,364** | **768,788** | **812,251** | **854,293** | **636,890** |
| **Karnataka - % Unreported Deliveries against expected Deliveries**  | 18% | 23% | 35% | 31% | 27% | 46% |

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| **Karnataka -% Deliveries against Reported**  |
|  |  **2008-09**  |  **2009-10**  |  **2010-11**  |  **2011-12**  |  **2012-13**  |  **Apr'13-Dec'13**  |
| **Karnataka- % Home Deliveries(SBA) against Reported Deliveries** | 17% | 5% | 4% | 2% | 1% | 1% |
| **Karnataka- % Home Deliveries(Non SBA) against Reported Deliveries** | 8% | 3% | 2% | 1% | 1% | 1% |
| **Karnataka- % Institutional Deliveries against Reported Deliveries** | 74% | 91% | 94% | 97% | 98% | 98% |

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| **Karnataka - C- Section Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total Reported Institutional Deliveries** | **720,477** | **837,453** | **720,358** | **788,713** | **837,926** | **626,912** |
| **C- Section Deliveries (Pub)** | **40100** | **60229** | **88077** | **74963** | **88982** | **67918** |
| **C- Section Deliveries (Pvt)** | **26316** | **36456** | **13060** | **69282** | **84045** | **66729** |
| **Total C- Section Deliveries (Pub & Pvt)** | **66416** | **96685** | **101137** | **144245** | **173027** | **134647** |
| **Karnataka - C - Section deliveries against Institutional(Pub & Pvt) deliveries** | **9%** | **12%** | **14%** | **18%** | **21%** | **21%** |

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| **Karnataka - 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)** | **720,477** | **837,453** | **720,358** | **788,713** | **837,926** | **626,912** |
| **Stay Duration less than 48 hrs** | **125489** | **356009** | **375299** | **292895** | **261446** | **154219** |
| **Karnataka - Duration of stay less than 48 hrs as Percentage of Reported Institutional Deliveries** | **17%** | **43%** | **52%** | **37%** | **31%** | **25%** |

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| **Karnataka - Abortions**  |
| **Abortion** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **MTP - Up to 12 weeks of pregnancy** | **13728** | **12147** | **15422** | **13154** | **13807** | **7976** |
| **MTP - More than 12 weeks of pregnancy** | **6253** | **5981** | **5011** | **5401** | **4266** | **3049** |
| **Total MTP in Public Facilities** | **19981** | **18128** | **20433** | **18555** | **18073** | **11025** |
| **Number of MTPs conducted at Private Facilities** | **2385** | **4532** | **1674** | **13208** | **13441** | **8949** |
| **Abortions ( Induced/Spontaneous)** | **12316** | **15150** | **21324** | **24980** | **25542** | **25094** |

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| **Karnataka - 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** | **41%** | **55%** | **76%** | **84%** | **75%** | **78%** |
|  **% Women getting a post partum check up between 48 hours and 14 days against total deliveries** | **42%** | **47%** | **63%** | **80%** | **84%** | **89%** |

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| **Karnataka- JSY Payments**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Home Deliveries** | **247,242** | **79,911** | **48,430** | **23,538** | **16,367** | **9,978** |
| **JSY Paid to mothers for Home Deliveries** | **34757** | **30252** | **8700** | **2232** | **820** | **440** |
| **Karnataka - JSY paid to mothers -%age of Reported Home deliveries** | **14%** | **38%** | **18%** | **9%** | **5%** | **4%** |
| **Institutional Deliveries(Pub)** | **719,201** | **687,262** | **651,902** | **590,295** | **617,377** | **445,384** |
| **JSY Paid to mothers for Institutional Deliveries(Pub)** | **102541** | **270398** | **253631** | **373936** | **241855** | **169466** |
| **Karnataka - JSY paid to mothers -%age of Reported Institutional deliveries - Public** | **14%** | **39%** | **39%** | **63%** | **39%** | **38%** |
| **Institutional Deliveries(Pvt)** | **1,276** | **150,191** | **68,456** | **198,418** | **220,549** | **181,528** |
| **JSY Paid to mothers for Institutional Deliveries(Pvt)** | **32823** | **40199** | **17788** | **1551** | **1246** | **1123** |
| **Karnataka - JSY paid to mothers -%age of Reported Institutional deliveries - Pvt** | **2572%** | **27%** | **26%** | **1%** | **1%** | **1%** |

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| **Karnataka - Newborn Care**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Live Births** | **1,161,204** | **1,161,527** | **1,161,575** | **1,149,257** | **1,148,636** | **1,166,632** |
| **Reported Live Births** | **899469** | **909577** | **845674** | **899315** | **894295** | **636742** |
| **Karnataka - %ge Reported Live Births against Estimated Live Births** | **77%** | **78%** | **73%** | **78%** | **78%** | **55%** |
| **Newborns Weighed** | 820,694 | 862,794 | 788,208 | 842,084 | 844,058 | 621,931 |
| **Karnataka - %ge Newborns weighed against Reported Live Births** | **91%** | **95%** | **93%** | **94%** | **94%** | **98%** |
| **Newborns Weighed Less than 2.5kgs** | 60,702 | 141,621 | 97,085 | 97,178 | 104,886 | 73,482 |
| **Karnataka - %ge Newborns weighed less than 2.5 Kgs against Newborn weighed** | **7%** | **16%** | **11%** | **11%** | **12%** | **12%** |
| **Newborns Breastfed within 1 hr of Birth** | 268,194 | 780,221 | 746,165 | 802,867 | 795,235 | 589,526 |
| **Karnataka - %ge Newborns Breastfed within 1 hr of Birth against Reported Live Births** | **30%** | **86%** | **88%** | **89%** | **89%** | **93%** |
| **Still Births** | 30221 | 16674 | 14935 | 16458 | 12951 | 8136 |
| **Abortions - Spontaneous/Induced** | 12316 | 15150 | 21324 | 24980 | 25542 | 25094 |

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| **Karnataka - Child Immunisation ( 0 to 11mnth )**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Live Births** | **1,161,204** | **1,161,527** | **1,161,575** | **1,149,257** | **1,148,636** | **1,166,632** |
| **Measles Given ( 0 -11 mnth)** | **1008460** | **976021** | **1041558** | **1062108** | **1085495** | **776575** |
| **Fully Immunised ( 0 -11 mnth)** | **1105994** | **1147541** | **1166039** | **1180438** | **1130918** | **784449** |
| **Karnataka- Fully Immunised ( 0 to 11 mnths) Against Expected Live Births** | **95%** | **99%** | **100%** | **103%** | **98%** | **67%** |
| **Reported Live Births** | 899,469 | 909,577 | 845,674 | 899,315 | 894,295 | 636,742 |
| **Karnataka- Fully Immunised ( 0 to 11 mnths) Against Reported Live Births** | **123%** | **126%** | **138%** | **131%** | **126%** | **123%** |
| **Deaths Due to Immunisation** | 0 | 0 | 0 | 381 | 3 | 30 |
| **Karnataka - BCG to Measels Drop out Rate**  | **6%** | **8%** | **7%** | **10%** | **6%** | **9%** |

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| **Karnataka - 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** | **703,760** | **357,393** | **362,992** | **366,784** | **372,531** | **378,367** |
| **Immunisation Sessions held as percentage of required VHNDs** | **21%** | **82%** | **94%** | **104%** | **103%** | **78%** |
|  **% Sessions where ASHAs were present** | **6%** | **36%** | **72%** | **75%** | **72%** | **71%** |

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| **Karnataka - Family Planning**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Male Sterilisations** |  6,616  |  12,341  |  6,787  |  3,894  |  2,857  |  1,377  |
| **Female Sterilisations** |  408,469  |  383,987  |  324,061  |  308,876  |  327,357  |  228,419  |
| **IUD** |  277,140  |  267,225  |  219,485  |  195,487  |  189,981  |  134,520  |
| **OCP Users ( OCP Cycles/13)** |  291,308  |  163,421  |  110,941  |  101,118  |  105,150  |  81,858  |
| **Condom Users ( Condom Pieces/72 )** |  276,728  |  249,402  |  206,106  |  160,244  |  167,302  |  126,478  |
| **Total FP method Users** |  1,260,261  |  1,076,376  |  867,380  |  769,619  |  792,647  |  572,651  |
| **% Of FP users Using Limiting Methods** | **32.94%** | **36.82%** | **38.14%** | **40.64%** | **41.66%** | **40.13%** |
| **% Of FP users Using Spacing Methods** | **67.06%** | **63.18%** | **61.86%** | **59.36%** | **58.34%** | **59.87%** |

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| **Karnataka- Service Delivery**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Population** | **58,646,661** | **59,565,484** | **60,498,701** | **61,130,704** | **62,088,444** | **63,061,189** |
| **Total OPD** | 7,145,082 | 20,508,764 | 32,728,863 | 46,836,197 | 54,185,030 | 43,853,903 |
| **Total IPD** | 118,791 | 1,263,525 | 2,148,960 | 3,221,843 | 3,581,633 | 2,695,087 |
| **OPD per 1000 population** | **121.83** | **344.31** | **540.98** | **766.16** | **872.71** | **695.42** |
| **IPD per 1000 population** | 2.03 | 21.21 | 35.52 | 52.70 | 57.69 | 42.74 |
| **Operation Major( General and Spinal Anaesthesia)** | 7920.00 | 68,780 | 149,230 | 305,324 | 362,304 | 257,450 |
| **Operation Major per 100000 population** | **13.50** | **115.47** | **246.67** | **499.46** | **583.53** | **408.25** |
| **Operation Minor( No or local Anaesthesia)** | 6,784 | 37,053 | 140,690 | 291,388 | 365,937 | 267,204 |
| **Operation Minor as % of OPD** | **0.09%** | **0.18%** | **0.43%** | **0.62%** | **0.68%** | **0.61%** |
| **AYUSH** | 31,166 | 240,739 | 488,502 | 793,297 | 1,130,422 | 1,180,436 |
| **Ayush as % of OPD** | **0.4%** | **1.2%** | **1.5%** | **1.7%** | **2.1%** | **2.7%** |
| **Dental Procedures** | 15,487 | 71,747 | 158,055 | 262,571 | 318,188 | 268,665 |
| **Dental Procedures as % of OPD** | **0.22%** | **0.35%** | **0.48%** | **0.56%** | **0.59%** | **0.61%** |
| **Adolescent Counselling** | 4,976 | 18,827 | 59,090 | 106,705 | 118,413 | 101,769 |
| **Adolescent Counselling as % of OPD** | **0.07%** | **0.09%** | **0.18%** | **0.23%** | **0.22%** | **0.23%** |

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| **Karnataka - Childhood Diseases**  |
| **Types of Diseases** |  **2008-09**  |  **2009-10**  |  **2010-11**  |  **2011-12**  |  **2012-13**  |  **Apr'13-Dec'13**  |
| **Population** |  **58,646,661**  |  **59,565,484**  |  **60,498,701**  |  **61,130,704**  |  **62,088,444**  |  **63,061,189**  |
| **Diphtheria**  | **0** | **0** | **0** | **3** | **5** | **23** |
| **Pertussis**  | **0** | **0** | **0** | **0** | **1** | **1** |
| **Tetanus Neonatorum** | **0** | **0** | **0** | **1** | **1** | **50** |
| **Tetanus others** | **0** | **0** | **0** | **2** | **0** | **0** |
| **Polio** | **0** | **0** | **0** | **0** | **0** | **4** |
| **Measles** | **3951** | **4194** | **9105** | **5689** | **5315** | **2718** |
| **Diarrhoea and dehydration** | **457201** | **278618** | **263691** | **262903** | **256899** | **190274** |
| **Malaria** | **36805** | **19528** | **19798** | **9273** | **4295** | **2318** |
| **Number admitted with Respiratory Infections** | **241858** | **113903** | **68423** | **68868** | **56899** | **40017** |

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| **Karnataka -Lab Tests**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total HB tested** |  138,364  |  772,856  |  1,567,709  |  2,916,149  |  3,667,367  |  2,953,344  |
| **HB Tested as %age of OPD** | **2040%** | **2086%** | **1114%** | **1001%** | **1002%** | **1105%** |
| **HB <7 gm as %age of HB tested** | **31.72%** | **22.22%** | **11.20%** | **7.17%** | **7.71%** | **6.66%** |
| **Total HIV tested** |  19,961  |  186,851  |  277,135  |  492,994  |  617,290  |  548,019  |
| **HIV Tested as %age of OPD** | **294%** | **504%** | **197%** | **169%** | **169%** | **205%** |
| **HIV Tested positive as %age of HIV tested** | 22% | 13% | 15% | 13% | 12% | 11% |
| **Total VDRL Tested** |  21,992  |  136,908  |  267,771  |  473,663  |  637,347  |  552,109  |
| **VDRL Tested as %age of OPD** | **324.2%** | **369.5%** | **190.3%** | **162.6%** | **174.2%** | **206.6%** |
| **Total Widal Test Conducted** | 14155 | 89121 | 196909 | 376195 | 416486 | 353575 |
| **Widal Test Conducted as %age of OPD** | **208.7%** | **240.5%** | **140.0%** | **129.1%** | **113.8%** | **132.3%** |
| **Blood Smear Examined** |  2,013,629  |  6,392,455  |  6,557,163  |  7,028,164  |  7,069,823  |  5,515,480  |
| **Blood Smear Examined as %age of population** | **3%** | **11%** | **11%** | **11%** | **11%** | **9%** |
| **Karnataka - 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** | **20** | **0** | **111** | **423** | **500** | **454** |
| **Infant deaths between 24 hrs to 4weeks of Birth** | **7559** | **9139** | **3997** | **1648** | **1792** | **2125** |
| **Infant deaths between 1 month to11months of Birth** | **3269** | **2574** | **1282** | **1099** | **945** | **848** |
| **Infant deaths between 1 year to 5 yrs of Birth**  | **2282** | **2980** | **1384** | **369** | **344** | **314** |
| **Total** | **13130** | **14693** | **6774** | **3539** | **3581** | **3741** |

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| **Karnataka - Maternal Deaths**  |
| **2008-09** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Abortions** | **31** | **66** | **14** | **14** | **9** | **5** |
| **Obstructed/prolonged Labour** | **18** | **45** | **44** | **121** | **73** | **48** |
| **Severe Hypertension/Fits** | **37** | **108** | **96** | **188** | **110** | **66** |
| **Bleeding** | **43** | **208** | **68** | **16** | **41** | **42** |
| **High Fever** | **18** | **83** | **60** | **94** | **53** | **33** |
| **Other Causes** | **101** | **408** | **242** | **284** | **260** | **230** |
| **Total deaths** | **248** | **918** | **524** | **717** | **546** | **424** |

|  |
| --- |
| **Karnataka - Deaths ( others)**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Diarrhoeal Diseases**  | **1608** | **3024** | **301** | **137** | **151** | **113** |
| **Tuberculosis** | **351** | **2065** | **1333** | **2063** | **1975** | **1448** |
| **Respiratory Diseases(Other than TB)** | **2364** | **10117** | **6967** | **10591** | **10474** | **8382** |
| **Malaria**  | **329** | **1221** | **91** | **66** | **59** | **56** |
| **Other fever Related** | **735** | **5353** | **1318** | **1688** | **1387** | **1709** |
| **HIV/AIDS** | **114** | **1649** | **1260** | **1920** | **2075** | **1588** |
| **Heart Disease/ Hypertension related**  | **623** | **14004** | **13201** | **24658** | **25087** | **20219** |
| **Neurological Disease including strokes**  | **608** | **6540** | **7474** | **15200** | **15315** | **13232** |
| **Trauma/Accidents/ Burn Cases** | **297** | **3028** | **3345** | **6721** | **6783** | **5403** |
| **Suicide**  | **349** | **3718** | **3762** | **7217** | **6836** | **5060** |
| **Animal Bites & Stings**  | **301** | **1651** | **1579** | **2094** | **1295** | **788** |
| **Known Acute Disease**  | **967** | **8857** | **5950** | **10851** | **12022** | **10034** |
| **Known Chronic Disease**  | **688** | **9543** | **7857** | **12214** | **13223** | **11666** |
| **Causes not known**  | **3401** | **56541** | **43114** | **60101** | **66353** | **57524** |
|  **Total Deaths**  | **12735** | **127311** | **97552** | **155521** | **163035** | **137222** |