HMIS Trend Analysis - Punjab

***2008 - 09 to Apr’13 to Dec’13***

Dr. Sandhya Ahuja

3/4/2014

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| **Punjab- ANC Registration**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Pregnancies** | **518,530** | **515,776** | **509,555** | **501,095** | **498,078** | **504,918** |
| **Reported ANC Registration** | **473,323** | **508,435** | **511,866** | **488,248** | **478,797** | **340,727** |
|  **Punjab- % ANC Registration against expected pregnancies**  | **91%** | **99%** | **100%** | **97%** | **96%** | **67%** |

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| **Punjab- ANC Services**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Reported ANC Registration** | **473,323** | **508,435** | **511,866** | **488,248** | **478,797** | **340,727** |
| **ANC registered within first trimester** | **224,100** | **298,154** | **305,461** | **308,979** | **327,435** | **233,493** |
|  **Punjab- % ANC Registration in 1st Trimester against Reported ANC Registration**  | **47%** | **59%** | **60%** | **63%** | **68%** | **69%** |
| **New women registered under JSY** | **52,656** | **119,334** | **151,366** | **182,799** | **159,605** | **123,900** |
|  **Punjab- % JSY Registration against Reported ANC Registration -Apr'12 to March'13** | **11%** | **23%** | **30%** | **37%** | **33%** | **36%** |
| **Number of pregnant women received 3 ANC check ups** | **410,389** | **439,110** | **437,465** | **421,284** | **429,745** | **322,309** |
|  **Punjab- % 3 ANC Check ups against Reported ANC Registration**  | **87%** | **86%** | **85%** | **86%** | **90%** | **95%** |
| **TT1** | **422,795** | **427,488** | **435,136** | **427,961** | **429,534** | **307,840** |
|  **Punjab- % TT1 against ANC Registration**  | **89%** | **84%** | **85%** | **88%** | **90%** | **90%** |
| **TT2 or Booster** | **429,972** | **427,044** | **428,380** | **417,262** | **421,108** | **315,639** |
|  **Punjab- % TT2 against Reported ANC Registration**  | **91%** | **84%** | **84%** | **85%** | **88%** | **93%** |
| **Total number of pregnant women given 100 IFA tablets** | **249,761** | **449,463** | **415,479** | **416,237** | **323,982** | **316,702** |
|  **Punjab- % ANC Pregnant Women given 100 IFA Tablets against Reported ANC Registration**  | **53%** | **88%** | **81%** | **85%** | **68%** | **93%** |

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| **Punjab - Complications Reflecting Quality of ANC**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Reported ANC Registration** | **473,323** | **508,435** | **511,866** | **488,248** | **478,797** | **340,727** |
| **New cases of BP detected at institution** | **7593** | **20760** | **17663** | **15657** | **11680** | **7459** |
|  **Punjab - % High BP cases detected against Reported ANC Registration -Apr'12 to March'13** | **1.6%** | **4.1%** | **3.5%** | **3.2%** | **2%** | **2%** |
| **Number of Eclampsia cases managed during delivery** | **122** | **388** | **135** | **252** | **294** | **243** |
|  **Punjab - % Eclampsia Cases Manged against Reported ANC Registration**  | **0.03%** | **0.08%** | **0.03%** | **0.05%** | **0.06%** | **0.07%** |
| **Number having Hb level<11 (tested cases)** | **59991** | **194590** | **245990** | **293616** | **320792** | **236978** |
|  **Punjab - % HB<11 gms against Reported ANC Registration -Apr'12 to March'13** | **12.7%** | **38.3%** | **48.1%** | **60.1%** | **67%** | **70%** |
| **Number having severe anaemia (Hb<7) treated at institution** | **9852** | **15378** | **9677** | **5322** | **2575** | **1681** |
|  **Punjab - %Severe Anaemia(HB < 7) treated against Reported ANC Registration**  | **2.1%** | **3.0%** | **1.9%** | **1.1%** | **1%** | **0%** |

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| **Punjab - Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Deliveries** | **471,391** | **468,888** | **463,232** | **455,541** | **452,798** | **459,017** |
| **Home SBA** | **86,359** | **64,095** | **49,505** | **30,811** | **23,174** | **13,042** |
| **Home Non SBA** | **72,976** | **74,024** | **76,008** | **62,894** | **47,959** | **29,917** |
| **Total Home Deliveries** | **159,335** | **138,119** | **125,513** | **93,705** | **71,133** | **42,959** |
|  **Punjab- % Home Deliveries against expected Deliveries**  | 34% | 29% | 27% | 21% | 16% | 9% |
| **Institutional (Pub)** | **96,542** | **101,804** | **115,865** | **157,143** | **164,155** | **135,785** |
| **Institutional (Pvt)** | **133,894** | **147,806** | **157,373** | **168,161** | **177,281** | **125,720** |
| **Total Institutional Deliveries** | **230,436** | **249,610** | **273,238** | **325,304** | **341,436** | **261,505** |
|  **Punjab - % Institutional Deliveries against expected Deliveries**  | 49% | 53% | 59% | 71% | 75% | 57% |
| **Total Reported Deliveries** | **389,771** | **387,729** | **398,751** | **419,009** | **412,569** | **304,464** |
|  **Punjab - % Unreported Deliveries against expected Deliveries**  | 17% | 17% | 14% | 8% | 9% | 34% |

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| **Punjab -% Deliveries against Reported**  |
|  |  **2008-09**  |  **2009-10**  |  **2010-11**  |  **2011-12**  |  **2012-13**  |  **Apr'13-Dec'13**  |
|  **Punjab- % Home Deliveries(SBA) against Reported Deliveries** | 22% | 17% | 12% | 7% | 6% | 4% |
|  **Punjab- % Home Deliveries(Non SBA) against Reported Deliveries** | 19% | 19% | 19% | 15% | 12% | 10% |
|  **Punjab- % Institutional Deliveries against Reported Deliveries** | 59% | 64% | 69% | 78% | 83% | 86% |

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| **Punjab - C- Section Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total Reported Institutional Deliveries** | **230,436** | **249,610** | **273,238** | **325,304** | **341,436** | **261,505** |
| **C- Section Deliveries (Pub)** | **11795** | **17487** | **22510** | **31298** | **32082** | **27961** |
| **C- Section Deliveries (Pvt)** | **4459** | **7734** | **16294** | **30891** | **51705** | **40686** |
| **Total C- Section Deliveries (Pub & Pvt)** | **16254** | **25221** | **38804** | **62189** | **83787** | **68647** |
|  **Punjab - C - Section deliveries against Institutional(Pub & Pvt) deliveries** | **7%** | **10%** | **14%** | **19%** | **25%** | **26%** |

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| **Punjab - 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)** | **230,436** | **249,610** | **273,238** | **325,304** | **341,436** | **261,505** |
| **Stay Duration less than 48 hrs** | **25566** | **70808** | **83148** | **116735** | **143647** | **132110** |
|  **Punjab - Duration of stay less than 48 hrs as Percentage of Reported Institutional Deliveries** | **11%** | **28%** | **30%** | **36%** | **42%** | **51%** |

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| **Punjab - Abortions**  |
| **Abortion** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **MTP - Up to 12 weeks of pregnancy** | **10239** | **7692** | **7263** | **4951** | **4089** | **3014** |
| **MTP - More than 12 weeks of pregnancy** | **226** | **123** | **172** | **233** | **278** | **195** |
| **Total MTP in Public Facilities** | **10465** | **7815** | **7435** | **5184** | **4367** | **3209** |
| **Number of MTPs conducted at Private Facilities** | **1802** | **3188** | **3769** | **3987** | **5432** | **5366** |
| **Abortions ( Induced/Spontaneous)** | **6172** | **11309** | **13150** | **13751** | **17168** | **12818** |

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| **Punjab - 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** | **38%** | **52%** | **55%** | **57%** | **61%** | **65%** |
|  **% Women getting a post partum check up between 48 hours and 14 days against total deliveries** | **35%** | **43%** | **44%** | **45%** | **45%** | **48%** |

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| **Punjab- JSY Payments**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Home Deliveries** | **159,335** | **138,119** | **125,513** | **93,705** | **71,133** | **42,959** |
| **JSY Paid to mothers for Home Deliveries** | **25443** | **48538** | **43196** | **26137** | **10913** | **8308** |
|  **Punjab - JSY paid to mothers -%age of Reported Home deliveries** | **16%** | **35%** | **34%** | **28%** | **15%** | **19%** |
| **Institutional Deliveries(Pub)** | **96,542** | **101,804** | **115,865** | **157,143** | **164,155** | **135,785** |
| **JSY Paid to mothers for Institutional Deliveries(Pub)** | **18961** | **43953** | **55923** | **72010** | **61082** | **52785** |
|  **Punjab - JSY paid to mothers -%age of Reported Institutional deliveries - Public** | **20%** | **43%** | **48%** | **46%** | **37%** | **39%** |
| **Institutional Deliveries(Pvt)** | **133,894** | **147,806** | **157,373** | **168,161** | **177,281** | **125,720** |
| **JSY Paid to mothers for Institutional Deliveries(Pvt)** | **2055** | **1634** | **2541** | **4913** | **2149** | **1509** |
|  **Punjab - JSY paid to mothers -%age of Reported Institutional deliveries - Pvt** | **2%** | **1%** | **2%** | **3%** | **1%** | **1%** |

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| **Punjab - Newborn Care**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Live Births** | **461,922** | **460,145** | **455,488** | **448,809** | **446,547** | **452,679** |
| **Reported Live Births** | **384038** | **382189** | **391340** | **414847** | **409586** | **300743** |
|  **Punjab - %ge Reported Live Births against Estimated Live Births** | **83%** | **83%** | **86%** | **92%** | **92%** | **66%** |
| **Newborns Weighed** | 289,575 | 355,222 | 369,610 | 377,554 | 384,034 | 288,795 |
|  **Punjab - %ge Newborns weighed against Reported Live Births** | **75%** | **93%** | **94%** | **91%** | **94%** | **96%** |
| **Newborns Weighed Less than 2.5kgs** | 82,640 | 47,857 | 35,495 | 32,779 | 31,234 | 24,206 |
|  **Punjab - %ge Newborns weighed less than 2.5 Kgs against Newborn weighed** | **22%** | **13%** | **9%** | **8%** | **8%** | **8%** |
| **Newborns Breastfed within 1 hr of Birth** | 94,969 | 313,346 | 340,442 | 348,542 | 361,913 | 272,447 |
|  **Punjab - %ge Newborns Breastfed within 1 hr of Birth against Reported Live Births** | **25%** | **82%** | **87%** | **84%** | **88%** | **91%** |
| **Still Births** | 4000 | 5885 | 6279 | 6214 | 5975 | 4755 |
| **Abortions - Spontaneous/Induced** | 6172 | 11309 | 13150 | 13751 | 17168 | 12818 |

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| **Punjab - Child Immunisation ( 0 to 11mnth )**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Live Births** | **461,922** | **460,145** | **455,488** | **448,809** | **446,547** | **452,679** |
| **Measles Given ( 0 -11 mnth)** | **428582** | **430814** | **420364** | **406802** | **419539** | **320490** |
| **Fully Immunised ( 0 -11 mnth)** | **426407** | **429723** | **416800** | **400421** | **412539** | **316083** |
|  **Punjab- Fully Immunised ( 0 to 11 mnths) Against Expected Live Births** | **92%** | **93%** | **92%** | **89%** | **92%** | **70%** |
| **Reported Live Births** | 384,038 | 382,189 | 391,340 | 414,847 | 409,586 | 300,743 |
|  **Punjab- Fully Immunised ( 0 to 11 mnths) Against Reported Live Births** | **111%** | **112%** | **107%** | **97%** | **101%** | **105%** |
| **Deaths Due to Immunisation** | 1 | 0 | 0 | 0 | 0 | 27 |
|  **Punjab - BCG to Measels Drop out Rate**  | **6%** | **7%** | **10%** | **8%** | **6%** | **3%** |

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| **Punjab - 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** | **320,408** | **162,404** | **164,634** | **166,225** | **168,508** | **170,822** |
| **Immunisation Sessions held as percentage of required VHNDs** | **25%** | **109%** | **109%** | **107%** | **108%** | **79%** |
|  **% Sessions where ASHAs were present** | **60%** | **78%** | **81%** | **82%** | **81%** | **81%** |

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| **Punjab - Family Planning**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Male Sterilisations** |  12,557  |  11,231  |  16,373  |  8,226  |  5,727  |  2,943  |
| **Female Sterilisations** |  74,362  |  65,146  |  65,194  |  62,689  |  60,276  |  43,257  |
| **IUD** |  263,911  |  272,211  |  221,313  |  225,995  |  223,681  |  156,915  |
| **OCP Users ( OCP Cycles/13)** |  96,752  |  105,313  |  101,466  |  100,554  |  102,317  |  77,259  |
| **Condom Users ( Condom Pieces/72 )** |  403,600  |  412,372  |  413,653  |  415,637  |  436,905  |  318,582  |
| **Total FP method Users** |  851,183  |  866,273  |  817,998  |  813,101  |  828,906  |  598,956  |
| **% Of FP users Using Limiting Methods** | **10.21%** | **8.82%** | **9.97%** | **8.72%** | **7.96%** | **7.71%** |
| **% Of FP users Using Spacing Methods** | **89.79%** | **91.18%** | **90.03%** | **91.28%** | **92.04%** | **92.29%** |

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| **Punjab- Service Delivery**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Population** |  **26,700,665**  |  **27,067,347**  |  **27,439,064**  |  **27,704,236**  |  **28,084,700**  |  **28,470,389**  |
| **Total OPD** |  3,823,950  |  14,590,116  |  16,301,919  |  15,693,766  |  15,027,525  |  11,626,193  |
| **Total IPD** |  179,602  |  547,952  |  645,718  |  731,506  |  774,381  |  631,698  |
| **OPD per 1000 population** | **143.22** | **539.03** | **594.11** | **566.48** | **535.08** | **408.36** |
| **IPD per 1000 population** | 6.73 | 20.24 | 23.53 | 26.40 | 27.57 | 22.19 |
| **Operation Major( General and Spinal Anaesthesia)** | 24556.00 |  83,042  |  94,345  |  103,944  |  104,808  |  102,504  |
| **Operation Major per 100000 population** | **91.97** | **306.80** | **343.83** | **375.19** | **373.19** | **360.04** |
| **Operation Minor( No or local Anaesthesia)** |  55,426  |  198,357  |  262,546  |  283,005  |  285,619  |  199,493  |
| **Operation Minor as % of OPD** | **1.45%** | **1.36%** | **1.61%** | **1.80%** | **1.90%** | **1.72%** |
| **AYUSH** |  27,796  |  467,316  |  916,622  |  1,100,118  |  1,120,459  |  928,153  |
| **Ayush as % of OPD** | **0.7%** | **3.2%** | **5.6%** | **7.0%** | **7.5%** | **8.0%** |
| **Dental Procedures** |  27,487  |  169,730  |  252,242  |  320,144  |  376,453  |  278,944  |
| **Dental Procedures as % of OPD** | **0.72%** | **1.16%** | **1.55%** | **2.04%** | **2.51%** | **2.40%** |
| **Adolescent Counselling** |  3,376  |  16,687  |  20,936  |  16,364  |  18,857  |  11,494  |
| **Adolescent Counselling as % of OPD** | **0.09%** | **0.11%** | **0.13%** | **0.10%** | **0.13%** | **0.10%** |

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| **Punjab - Childhood Diseases**  |
| **Types of Diseases** |  **2008-09**  |  **2009-10**  |  **2010-11**  |  **2011-12**  |  **2012-13**  |  **Apr'13-Dec'13**  |
| **Population** |  **26,700,665**  |  **27,067,347**  |  **27,439,064**  |  **27,704,236**  |  **28,084,700**  |  **28,470,389**  |
| **Diphtheria**  | **33** | **5** | **0** | **1** | **2** | **18** |
| **Pertussis**  | **2** | **0** | **1** | **0** | **0** | **15** |
| **Tetanus Neonatorum** | **3** | **0** | **0** | **0** | **0** | **10** |
| **Tetanus others** | **2** | **4** | **17** | **4** | **0** | **6** |
| **Polio** | **0** | **2** | **0** | **0** | **0** | **0** |
| **Measles** | **502** | **115** | **84** | **96** | **82** | **70** |
| **Diarrhoea and dehydration** | **22061** | **29619** | **30791** | **20983** | **16016** | **11556** |
| **Malaria** | **512** | **593** | **384** | **990** | **145** | **95** |
| **Number admitted with Respiratory Infections** | **10531** | **4072** | **2400** | **4936** | **2622** | **4696** |

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| **Punjab -Lab Tests**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total HB tested** |  263,526  |  958,749  |  1,231,791  |  1,374,433  |  1,499,499  |  1,072,986  |
| **HB Tested as %age of OPD** | **475%** | **483%** | **469%** | **486%** | **525%** | **538%** |
| **HB <7 gm as %age of HB tested** | **11.88%** | **9.46%** | **8.74%** | **6.30%** | **4.63%** | **4.09%** |
| **Total HIV tested** |  18,437  |  58,813  |  58,305  |  64,462  |  78,293  |  70,059  |
| **HIV Tested as %age of OPD** | **33%** | **30%** | **22%** | **23%** | **27%** | **35%** |
| **HIV Tested positive as %age of HIV tested** | 28% | 33% | 27% | 32% | 29% | 30% |
| **Total VDRL Tested** |  25,839  |  93,246  |  120,396  |  149,264  |  177,654  |  162,115  |
| **VDRL Tested as %age of OPD** | **46.6%** | **47.0%** | **45.9%** | **52.7%** | **62.2%** | **81.3%** |
| **Total Widal Test Conducted** | 24718 | 108677 | 137564 | 143518 | 148080 | 111846 |
| **Widal Test Conducted as %age of OPD** | **44.6%** | **54.8%** | **52.4%** | **50.7%** | **51.8%** | **56.1%** |
| **Blood Smear Examined** |  409,441  |  1,313,968  |  1,579,365  |  1,384,947  |  1,263,880  |  903,585  |
| **Blood Smear Examined as %age of population** | **2%** | **5%** | **6%** | **5%** | **5%** | **3%** |
| **Punjab - 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** | **6** | **192** | **348** | **766** | **452** | **240** |
| **Infant deaths between 24 hrs to 4weeks of Birth** | **702** | **592** | **916** | **1231** | **1035** | **622** |
| **Infant deaths between 1 month to11months of Birth** | **406** | **381** | **623** | **795** | **576** | **378** |
| **Infant deaths between 1 year to 5 yrs of Birth**  | **247** | **290** | **331** | **1122** | **587** | **252** |
| **Total** | **1361** | **1455** | **2218** | **3914** | **2650** | **1492** |

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| **Punjab - Maternal Deaths**  |
| **2008-09** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Abortions** | **5** | **1** | **2** | **6** | **4** | **0** |
| **Obstructed/prolonged Labour** | **1** | **2** | **4** | **5** | **4** | **3** |
| **Severe Hypertension/Fits** | **5** | **14** | **11** | **27** | **35** | **17** |
| **Bleeding** | **5** | **18** | **10** | **33** | **32** | **9** |
| **High Fever** | **2** | **4** | **0** | **6** | **2** | **2** |
| **Other Causes** | **11** | **29** | **72** | **89** | **132** | **85** |
| **Total deaths** | **29** | **68** | **99** | **166** | **209** | **116** |

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| **Punjab - Deaths ( others)**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Diarrhoeal Diseases**  | **123** | **117** | **72** | **223** | **76** | **16** |
| **Tuberculosis** | **62** | **177** | **221** | **637** | **476** | **274** |
| **Respiratory Diseases(Other than TB)** | **78** | **404** | **333** | **626** | **660** | **167** |
| **Malaria**  | **1** | **11** | **0** | **12** | **12** | **3** |
| **Other fever Related** | **377** | **1849** | **2274** | **3592** | **2221** | **1385** |
| **HIV/AIDS** | **25** | **51** | **60** | **146** | **181** | **70** |
| **Heart Disease/ Hypertension related**  | **765** | **5412** | **7780** | **14944** | **16018** | **9859** |
| **Neurological Disease including strokes**  | **55** | **238** | **352** | **569** | **517** | **299** |
| **Trauma/Accidents/ Burn Cases** | **260** | **1098** | **1289** | **2312** | **1360** | **515** |
| **Suicide**  | **77** | **218** | **229** | **485** | **478** | **224** |
| **Animal Bites & Stings**  | **10** | **47** | **67** | **230** | **173** | **111** |
| **Known Acute Disease**  | **135** | **410** | **209** | **810** | **575** | **629** |
| **Known Chronic Disease**  | **258** | **833** | **1170** | **2882** | **2795** | **2159** |
| **Causes not known**  | **1797** | **11118** | **9382** | **23601** | **18345** | **8908** |
|  **Total Deaths**  | **4023** | **21983** | **23438** | **51069** | **43887** | **24619** |