HMIS Trend Analysis - Odisha

***2008 - 09 to Apr’13 to Dec’13***

Dr. Sandhya Ahuja

3/4/2014

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| **Odisha- ANC Registration**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Pregnancies** | **983,937** | **977,144** | **965,334** | **953,889** | **955,731** | **969,085** |
| **Reported ANC Registration** | **761,966** | **860,274** | **854,464** | **880,334** | **765,237** | **535,719** |
| **Odisha- % ANC Registration against expected pregnancies**  | **77%** | **88%** | **89%** | **92%** | **80%** | **55%** |

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| **Odisha- ANC Services**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Reported ANC Registration** | **761,966** | **860,274** | **854,464** | **880,334** | **765,237** | **535,719** |
| **ANC registered within first trimester** | **212,693** | **293,702** | **306,355** | **354,836** | **331,949** | **278,484** |
| **Odisha- % ANC Registration in 1st Trimester against Reported ANC Registration**  | **28%** | **34%** | **36%** | **40%** | **43%** | **52%** |
| **New women registered under JSY** | **250,836** | **859,795** | **779,554** | **880,314** | **762,893** | **533,219** |
| **Odisha- % JSY Registration against Reported ANC Registration -Apr'12 to March'13** | **33%** | **100%** | **91%** | **100%** | **100%** | **100%** |
| **Number of pregnant women received 3 ANC check ups** | **663,808** | **764,919** | **725,665** | **753,024** | **688,361** | **463,256** |
| **Odisha- % 3 ANC Check ups against Reported ANC Registration**  | **87%** | **89%** | **85%** | **86%** | **90%** | **86%** |
| **TT1** | **668,545** | **753,572** | **739,678** | **768,854** | **687,487** | **471,737** |
| **Odisha- % TT1 against ANC Registration**  | **88%** | **88%** | **87%** | **87%** | **90%** | **88%** |
| **TT2 or Booster** | **721,208** | **845,722** | **763,883** | **780,073** | **709,699** | **477,783** |
| **Odisha- % TT2 against Reported ANC Registration**  | **95%** | **98%** | **89%** | **89%** | **93%** | **89%** |
| **Total number of pregnant women given 100 IFA tablets** | **1,650,480** | **744,823** | **680,655** | **578,072** | **599,565** | **405,574** |
| **Odisha- % ANC Pregnant Women given 100 IFA Tablets against Reported ANC Registration**  | **217%** | **87%** | **80%** | **66%** | **78%** | **76%** |

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| **Odisha - Complications Reflecting Quality of ANC**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Reported ANC Registration** | **761,966** | **860,274** | **854,464** | **880,334** | **765,237** | **535,719** |
| **New cases of BP detected at institution** | **13013** | **24731** | **25418** | **19324** | **17326** | **9488** |
| **Odisha - % High BP cases detected against Reported ANC Registration -Apr'12 to March'13** | **1.7%** | **2.9%** | **3.0%** | **2.2%** | **2%** | **2%** |
| **Number of Eclampsia cases managed during delivery** | **955** | **2575** | **1408** | **665** | **686** | **467** |
| **Odisha - % Eclampsia Cases Manged against Reported ANC Registration**  | **0.13%** | **0.30%** | **0.16%** | **0.08%** | **0.09%** | **0.09%** |
| **Number having Hb level<11 (tested cases)** | **14750** | **97904** | **140558** | **201800** | **255111** | **218063** |
| **Odisha - % HB<11 gms against Reported ANC Registration -Apr'12 to March'13** | **1.9%** | **11.4%** | **16.4%** | **22.9%** | **33%** | **41%** |
| **Number having severe anaemia (Hb<7) treated at institution** | **7396** | **11745** | **7402** | **3098** | **4362** | **2630** |
| **Odisha - %Severe Anaemia(HB < 7) treated against Reported ANC Registration**  | **1.0%** | **1.4%** | **0.9%** | **0.4%** | **1%** | **0%** |

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| **Odisha - Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Deliveries** | **894,488** | **888,313** | **877,576** | **867,171** | **868,846** | **880,987** |
| **Home SBA** | **49,785** | **45,257** | **27,632** | **16,546** | **9,476** | **5,817** |
| **Home Non SBA** | **130,437** | **108,207** | **91,588** | **94,997** | **77,644** | **50,074** |
| **Total Home Deliveries** | **180,222** | **153,464** | **119,220** | **111,543** | **87,120** | **55,891** |
| **Odisha- % Home Deliveries against expected Deliveries**  | 20% | 17% | 14% | 13% | 10% | 6% |
| **Institutional (Pub)** | **416,154** | **499,332** | **521,558** | **601,462** | **561,512** | **369,586** |
| **Institutional (Pvt)** | **3,563** | **3,340** | **27,454** | **22,643** | **17,096** | **32,024** |
| **Total Institutional Deliveries** | **419,717** | **502,672** | **549,012** | **624,105** | **578,608** | **401,610** |
| **Odisha - % Institutional Deliveries against expected Deliveries**  | 47% | 57% | 63% | 72% | 67% | 46% |
| **Total Reported Deliveries** | **599,939** | **656,136** | **668,232** | **735,648** | **665,728** | **457,501** |
| **Odisha - % Unreported Deliveries against expected Deliveries**  | 33% | 26% | 24% | 15% | 23% | 48% |

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| **Odisha -% Deliveries against Reported**  |
|  |  **2008-09**  |  **2009-10**  |  **2010-11**  |  **2011-12**  |  **2012-13**  |  **Apr'13-Dec'13**  |
| **Odisha- % Home Deliveries(SBA) against Reported Deliveries** | 8% | 7% | 4% | 2% | 1% | 1% |
| **Odisha- % Home Deliveries(Non SBA) against Reported Deliveries** | 22% | 16% | 14% | 13% | 12% | 11% |
| **Odisha- % Institutional Deliveries against Reported Deliveries** | 70% | 77% | 82% | 85% | 87% | 88% |

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| **Odisha - C- Section Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total Reported Institutional Deliveries** |  **419,717**  |  **502,672**  |  **549,012**  |  **624,105**  |  **578,608**  |  **401,610**  |
| **C- Section Deliveries (Pub)** | **9580** | **18994** | **21982** | **33336** | **40366** | **30813** |
| **C- Section Deliveries (Pvt)** | **1044** | **1136** | **1379** | **2054** | **2017** | **5905** |
| **Total C- Section Deliveries (Pub & Pvt)** | **10624** | **20130** | **23361** | **35390** | **42383** | **36718** |
| **Odisha - C - Section deliveries against Institutional(Pub & Pvt) deliveries** | **3%** | **4%** | **4%** | **6%** | **7%** | **9%** |

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| **Odisha - 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)** | **419,717** | **502,672** | **549,012** | **624,105** | **578,608** | **401,610** |
| **Stay Duration less than 48 hrs** | **88758** | **301644** | **354612** | **454204** | **415661** | **265556** |
| **Odisha - Duration of stay less than 48 hrs as Percentage of Reported Institutional Deliveries** | **21%** | **60%** | **65%** | **73%** | **72%** | **66%** |

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| **Odisha - Abortions**  |
| **Abortion** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **MTP - Up to 12 weeks of pregnancy** | **22842** | **10449** | **13399** | **16117** | **18084** | **12300** |
| **MTP - More than 12 weeks of pregnancy** | **1475** | **689** | **928** | **934** | **975** | **637** |
| **Total MTP in Public Facilities** | **24317** | **11138** | **14327** | **17051** | **19059** | **12937** |
| **Number of MTPs conducted at Private Facilities** | **55** | **199** | **210** | **422** | **158** | **757** |
| **Abortions ( Induced/Spontaneous)** | **21907** | **24057** | **23918** | **31861** | **31728** | **25234** |

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| **Odisha - 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** | **77%** | **62%** | **65%** | **65%** | **62%** | **62%** |
|  **% Women getting a post partum check up between 48 hours and 14 days against total deliveries** | **68%** | **60%** | **65%** | **73%** | **79%** | **80%** |

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| **Odisha- JSY Payments**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Home Deliveries** | **180,222** | **153,464** | **119,220** | **111,543** | **87,120** | **55,891** |
| **JSY Paid to mothers for Home Deliveries** | **8417** | **18500** | **8973** | **6065** | **3779** | **1658** |
| **Odisha - JSY paid to mothers -%age of Reported Home deliveries** | **5%** | **12%** | **8%** | **5%** | **4%** | **3%** |
| **Institutional Deliveries(Pub)** | **416,154** | **499,332** | **521,558** | **601,462** | **561,512** | **369,586** |
| **JSY Paid to mothers for Institutional Deliveries(Pub)** | **216652** | **402350** | **348986** | **461124** | **490868** | **329918** |
| **Odisha - JSY paid to mothers -%age of Reported Institutional deliveries - Public** | **52%** | **81%** | **67%** | **77%** | **87%** | **89%** |
| **Institutional Deliveries(Pvt)** | **3,563** | **3,340** | **27,454** | **22,643** | **17,096** | **32,024** |
| **JSY Paid to mothers for Institutional Deliveries(Pvt)** | **2813** | **204554** | **5482** | **1916** | **2214** | **1408** |
| **Odisha - JSY paid to mothers -%age of Reported Institutional deliveries - Pvt** | **79%** | **6124%** | **20%** | **8%** | **13%** | **4%** |

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| **Odisha - Newborn Care**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Live Births** | **864,657** | **860,352** | **851,602** | **843,142** | **846,416** | **858,243** |
| **Reported Live Births** | **527325** | **638259** | **651808** | **719823** | **654530** | **446811** |
| **Odisha - %ge Reported Live Births against Estimated Live Births** | **61%** | **74%** | **77%** | **85%** | **77%** | **52%** |
| **Newborns Weighed** | 381,293 | 431,091 | 487,009 | 613,797 | 621,567 | 431,880 |
| **Odisha - %ge Newborns weighed against Reported Live Births** | **72%** | **68%** | **75%** | **85%** | **95%** | **97%** |
| **Newborns Weighed Less than 2.5kgs** | 249,369 | 65,622 | 99,438 | 128,640 | 121,388 | 82,807 |
| **Odisha - %ge Newborns weighed less than 2.5 Kgs against Newborn weighed** | **47%** | **10%** | **15%** | **18%** | **19%** | **19%** |
| **Newborns Breastfed within 1 hr of Birth** | 77,306 | 365,068 | 473,306 | 639,227 | 610,188 | 421,153 |
| **Odisha - %ge Newborns Breastfed within 1 hr of Birth against Reported Live Births** | **15%** | **57%** | **73%** | **89%** | **93%** | **94%** |
| **Still Births** | 13829 | 18583 | 17116 | 18519 | 17267 | 11717 |
| **Abortions - Spontaneous/Induced** | 21907 | 24057 | 23918 | 31861 | 31728 | 25234 |

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| **Odisha - Child Immunisation ( 0 to 11mnth )**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Live Births** | **864,657** | **860,352** | **851,602** | **843,142** | **846,416** | **858,243** |
| **Measles Given ( 0 -11 mnth)** | **543274** | **788131** | **685645** | **710087** | **738667** | **450749** |
| **Fully Immunised ( 0 -11 mnth)** | **531730** | **768312** | **668444** | **684215** | **728940** | **451403** |
| **Odisha- Fully Immunised ( 0 to 11 mnths) Against Expected Live Births** | **61%** | **89%** | **78%** | **81%** | **86%** | **53%** |
| **Reported Live Births** | 527,325 | 638,259 | 651,808 | 719,823 | 654,530 | 446,811 |
| **Odisha- Fully Immunised ( 0 to 11 mnths) Against Reported Live Births** | **101%** | **120%** | **103%** | **95%** | **111%** | **101%** |
| **Deaths Due to Immunisation** | 842 | 84 | 0 | 15 | 0 | 2 |
| **Odisha - BCG to Measels Drop out Rate**  | **20%** | **0%** | **8%** | **12%** | **-1%** | **4%** |

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| **Odisha - 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** |  **484,855**  |  **245,815**  |  **249,249**  |  **251,684**  |  **255,201**  |  **258,767**  |
| **Immunisation Sessions held as percentage of required VHNDs** | **46%** | **127%** | **126%** | **126%** | **129%** | **84%** |
|  **% Sessions where ASHAs were present** | **78%** | **91%** | **93%** | **95%** | **96%** | **95%** |
| **Odisha - Family Planning**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Male Sterilisations** |  5,678  |  6,431  |  13,762  |  3,206  |  2,496  |  979  |
| **Female Sterilisations** |  89,512  |  115,371  |  125,486  |  142,199  |  141,695  |  60,552  |
| **IUD** |  116,454  |  136,261  |  141,818  |  143,405  |  132,582  |  93,626  |
| **OCP Users ( OCP Cycles/13)** |  163,475  |  178,125  |  174,111  |  188,372  |  161,584  |  91,438  |
| **Condom Users ( Condom Pieces/72 )** |  252,810  |  252,336  |  196,359  |  193,883  |  142,876  |  63,038  |
| **Total FP method Users** |  627,929  |  688,525  |  651,536  |  671,066  |  581,232  |  309,633  |
| **% Of FP users Using Limiting Methods** | **15.16%** | **17.69%** | **21.37%** | **21.67%** | **24.81%** | **19.87%** |
| **% Of FP users Using Spacing Methods** | **84.84%** | **82.31%** | **78.63%** | **78.33%** | **75.19%** | **80.13%** |

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| **Odisha- Service Delivery**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Population** | **40,404,549** | **40,969,119** | **41,541,579** | **41,947,358** | **42,533,486** | **43,127,805** |
| **Total OPD** | 2,035,907 | 16,296,694 | 21,206,155 | 28,143,555 | 29,421,527 | 21,363,977 |
| **Total IPD** | 156,451 | 1,566,077 | 1,304,956 | 1,933,635 | 2,007,353 | 1,583,987 |
| **OPD per 1000 population** | **50.39** | **397.78** | **510.48** | **670.93** | **691.73** | **495.36** |
| **IPD per 1000 population** | 3.87 | 38.23 | 31.41 | 46.10 | 47.19 | 36.73 |
| **Operation Major( General and Spinal Anaesthesia)** | 11397.00 | 42,717 | 79,205 | 181,757 | 64,587 | 52,338 |
| **Operation Major per 100000 population** | **28.21** | **104.27** | **190.66** | **433.30** | **151.85** | **121.36** |
| **Operation Minor( No or local Anaesthesia)** | 9,555 | 62,710 | 73,715 | 118,640 | 142,280 | 136,620 |
| **Operation Minor as % of OPD** | **0.47%** | **0.38%** | **0.35%** | **0.42%** | **0.48%** | **0.64%** |
| **AYUSH** | 55,983 | 1,237,182 | 2,440,726 | 3,752,164 | 4,536,481 | 3,458,864 |
| **Ayush as % of OPD** | **2.7%** | **7.6%** | **11.5%** | **13.3%** | **15.4%** | **16.2%** |
| **Dental Procedures** | 905 | 12,252 | 26,696 | 65,222 | 66,033 | 50,768 |
| **Dental Procedures as % of OPD** | **0.04%** | **0.08%** | **0.13%** | **0.23%** | **0.22%** | **0.24%** |
| **Adolescent Counselling** | 587 | 19,659 | 21,688 | 20,000 | 31,231 | 18,305 |
| **Adolescent Counselling as % of OPD** | **0.03%** | **0.12%** | **0.10%** | **0.07%** | **0.11%** | **0.09%** |

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| **Odisha - Childhood Diseases**  |
| **Types of Diseases** |  **2008-09**  |  **2009-10**  |  **2010-11**  |  **2011-12**  |  **2012-13**  |  **Apr'13-Dec'13**  |
| **Population** |  **40,404,549**  |  **40,969,119**  |  **41,541,579**  |  **41,947,358**  |  **42,533,486**  |  **43,127,805**  |
| **Diphtheria**  | **2596** | **0** | **1147** | **0** | **0** | **0** |
| **Pertussis**  | **386** | **0** | **28** | **0** | **0** | **0** |
| **Tetanus Neonatorum** | **27** | **0** | **45** | **0** | **0** | **0** |
| **Tetanus others** | **8** | **0** | **74** | **0** | **0** | **0** |
| **Polio** | **234** | **0** | **7** | **0** | **0** | **0** |
| **Measles** | **3167** | **3877** | **4304** | **4110** | **2100** | **687** |
| **Diarrhoea and dehydration** | **263132** | **317724** | **312834** | **300713** | **261489** | **156844** |
| **Malaria** | **185686** | **272858** | **218141** | **195055** | **142744** | **74498** |
| **Number admitted with Respiratory Infections** | **278019** | **100051** | **94303** | **70926** | **64321** | **41119** |

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| **Odisha -Lab Tests**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total HB tested** |  26,745  |  202,269  |  332,459  |  707,476  |  1,068,027  |  1,007,329  |
| **HB Tested as %age of OPD** | **280%** | **323%** | **451%** | **596%** | **751%** | **737%** |
| **HB <7 gm as %age of HB tested** | **16.34%** | **9.17%** | **6.82%** | **6.79%** | **4.72%** | **2.96%** |
| **Total HIV tested** |  4,801  |  62,948  |  66,627  |  102,822  |  145,697  |  116,751  |
| **HIV Tested as %age of OPD** | **50%** | **100%** | **90%** | **87%** | **102%** | **85%** |
| **HIV Tested positive as %age of HIV tested** | 30% | 15% | 21% | 21% | 22% | 16% |
| **Total VDRL Tested** |  3,875  |  23,146  |  30,548  |  58,901  |  95,511  |  54,923  |
| **VDRL Tested as %age of OPD** | **40.6%** | **36.9%** | **41.4%** | **49.6%** | **67.1%** | **40.2%** |
| **Total Widal Test Conducted** | 3322 | 17695 | 21569 | 45406 | 56966 | 49266 |
| **Widal Test Conducted as %age of OPD** | **34.8%** | **28.2%** | **29.3%** | **38.3%** | **40.0%** | **36.1%** |
| **Blood Smear Examined** |  418,631  |  2,472,300  |  2,413,977  |  2,717,261  |  2,694,442  |  2,075,114  |
| **Blood Smear Examined as %age of population** | **1%** | **6%** | **6%** | **6%** | **6%** | **5%** |
| **Odisha - 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** | **428** | **2319** | **5698** | **2226** | **1255** | **468** |
| **Infant deaths between 24 hrs to 4weeks of Birth** | **1812** | **10373** | **11445** | **10475** | **7084** | **5058** |
| **Infant deaths between 1 month to11months of Birth** | **841** | **7502** | **4726** | **3835** | **2763** | **1938** |
| **Infant deaths between 1 year to 5 yrs of Birth**  | **442** | **3369** | **3333** | **2320** | **1197** | **831** |
| **Total** | **3523** | **23563** | **25202** | **18856** | **12299** | **8295** |

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| **Odisha - Maternal Deaths**  |
| **2008-09** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Abortions** | **0** | **59** | **124** | **17** | **15** | **2** |
| **Obstructed/prolonged Labour** | **4** | **128** | **125** | **33** | **27** | **18** |
| **Severe Hypertension/Fits** | **7** | **103** | **157** | **96** | **113** | **38** |
| **Bleeding** | **15** | **142** | **186** | **215** | **186** | **99** |
| **High Fever** | **1** | **101** | **89** | **40** | **25** | **16** |
| **Other Causes** | **21** | **552** | **453** | **313** | **231** | **229** |
| **Total deaths** | **48** | **1085** | **1134** | **714** | **597** | **402** |

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| **Odisha - Deaths ( others)**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Diarrhoeal Diseases**  | **8** | **548** | **289** | **342** | **126** | **72** |
| **Tuberculosis** | **14** | **919** | **781** | **1175** | **909** | **515** |
| **Respiratory Diseases(Other than TB)** | **39** | **1621** | **1607** | **1558** | **1289** | **702** |
| **Malaria**  | **128** | **515** | **267** | **465** | **158** | **90** |
| **Other fever Related** | **167** | **3081** | **2730** | **2752** | **2213** | **1259** |
| **HIV/AIDS** | **9** | **292** | **91** | **129** | **95** | **36** |
| **Heart Disease/ Hypertension related**  | **109** | **6083** | **6711** | **8430** | **7185** | **4862** |
| **Neurological Disease including strokes**  | **29** | **2602** | **2488** | **3158** | **2939** | **2147** |
| **Trauma/Accidents/ Burn Cases** | **24** | **815** | **968** | **1322** | **523** | **340** |
| **Suicide**  | **10** | **367** | **530** | **883** | **512** | **381** |
| **Animal Bites & Stings**  | **35** | **493** | **502** | **736** | **471** | **318** |
| **Known Acute Disease**  | **225** | **3291** | **3296** | **4886** | **3113** | **1324** |
| **Known Chronic Disease**  | **90** | **6300** | **6852** | **9612** | **7736** | **5163** |
| **Causes not known**  | **2260** | **31711** | **37179** | **45605** | **28039** | **21283** |
|  **Total Deaths**  | **3147** | **58638** | **64291** | **81053** | **55308** | **38492** |