HMIS Trend Analysis - Kerala

***2008 - 09 to Apr’13 to Dec’13***

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3/4/2014

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| **Kerala- ANC Registration**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Pregnancies** | **531,929** | **538,173** | **544,736** | **561,591** | **553,181** | **555,867** |
| **Reported ANC Registration** | **591,901** | **624,899** | **546,531** | **529,067** | **515,226** | **392,754** |
| **Kerala- % ANC Registration against expected pregnancies**  | **111%** | **116%** | **100%** | **94%** | **93%** | **71%** |

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| **Kerala- ANC Services**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Reported ANC Registration** | **591,901** | **624,899** | **546,531** | **529,067** | **515,226** | **392,754** |
| **ANC registered within first trimester** | **340,034** | **407,253** | **398,297** | **390,049** | **396,933** | **311,201** |
| **Kerala- % ANC Registration in 1st Trimester against Reported ANC Registration**  | **57%** | **65%** | **73%** | **74%** | **77%** | **79%** |
| **New women registered under JSY** | **-** | **189,957** | **185,637** | **178,987** | **201,648** | **177,638** |
| **Kerala- % JSY Registration against Reported ANC Registration -Apr'12 to March'13** | **0%** | **30%** | **34%** | **34%** | **39%** | **45%** |
| **Number of pregnant women received 3 ANC check ups** | **452,604** | **481,753** | **456,562** | **446,635** | **461,253** | **361,117** |
| **Kerala- % 3 ANC Check ups against Reported ANC Registration**  | **76%** | **77%** | **84%** | **84%** | **90%** | **92%** |
| **TT1** | **511,988** | **507,018** | **464,449** | **452,038** | **438,339** | **342,495** |
| **Kerala- % TT1 against ANC Registration**  | **86%** | **81%** | **85%** | **85%** | **85%** | **87%** |
| **TT2 or Booster** | **480,251** | **510,281** | **462,053** | **445,161** | **415,089** | **327,621** |
| **Kerala- % TT2 against Reported ANC Registration**  | **81%** | **82%** | **85%** | **84%** | **81%** | **83%** |
| **Total number of pregnant women given 100 IFA tablets** | **327,296** | **375,961** | **382,187** | **332,178** | **441,235** | **377,648** |
| **Kerala- % ANC Pregnant Women given 100 IFA Tablets against Reported ANC Registration**  | **55%** | **60%** | **70%** | **63%** | **86%** | **96%** |

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| **Kerala - Complications Reflecting Quality of ANC**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Reported ANC Registration** | **591,901** | **624,899** | **546,531** | **529,067** | **515,226** | **392,754** |
| **New cases of BP detected at institution** | **0** | **11738** | **13988** | **14110** | **15605** | **11914** |
| **Kerala - % High BP cases detected against Reported ANC Registration -Apr'12 to March'13** | **0.0%** | **1.9%** | **2.6%** | **2.7%** | **3%** | **3%** |
| **Number of Eclampsia cases managed during delivery** | **0** | **200** | **411** | **915** | **582** | **585** |
| **Kerala - % Eclampsia Cases Manged against Reported ANC Registration**  | **0.00%** | **0.03%** | **0.08%** | **0.17%** | **0.11%** | **0.15%** |
| **Number having Hb level<11 (tested cases)** | **0** | **65332** | **71592** | **81208** | **84132** | **65775** |
| **Kerala - % HB<11 gms against Reported ANC Registration -Apr'12 to March'13** | **0.0%** | **10.5%** | **13.1%** | **15.3%** | **16%** | **17%** |
| **Number having severe anaemia (Hb<7) treated at institution** | **0** | **2036** | **2555** | **2179** | **2740** | **1988** |
| **Kerala - %Severe Anaemia(HB < 7) treated against Reported ANC Registration**  | **0.0%** | **0.3%** | **0.5%** | **0.4%** | **1%** | **1%** |

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| **Kerala - Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Deliveries** | **483,571** | **489,248** | **495,214** | **510,538** | **502,892** | **505,334** |
| **Home SBA** | **269** | **154** | **135** | **131** | **108** | **55** |
| **Home Non SBA** | **1,355** | **1,265** | **1,028** | **815** | **921** | **679** |
| **Total Home Deliveries** | **1,624** | **1,419** | **1,163** | **946** | **1,029** | **734** |
| **Kerala- % Home Deliveries against expected Deliveries**  | 0% | 0% | 0% | 0% | 0% | 0% |
| **Institutional (Pub)** | **181,558** | **150,267** | **135,713** | **137,963** | **136,607** | **112,602** |
| **Institutional (Pvt)** | **-** | **339,561** | **347,266** | **348,343** | **355,893** | **262,525** |
| **Total Institutional Deliveries** | **181,558** | **489,828** | **482,979** | **486,306** | **492,500** | **375,127** |
| **Kerala - % Institutional Deliveries against expected Deliveries**  | 38% | 100% | 98% | 95% | 98% | 74% |
| **Total Reported Deliveries** | **183,182** | **491,247** | **484,142** | **487,252** | **493,529** | **375,861** |
| **Kerala - % Unreported Deliveries against expected Deliveries**  | 62% | 0% | 2% | 5% | 2% | 26% |

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| **Kerala -% Deliveries against Reported**  |
|  |  **2008-09**  |  **2009-10**  |  **2010-11**  |  **2011-12**  |  **2012-13**  |  **Apr'13-Dec'13**  |
| **Kerala- % Home Deliveries(SBA) against Reported Deliveries** | 0% | 0% | 0% | 0% | 0% | 0% |
| **Kerala- % Home Deliveries(Non SBA) against Reported Deliveries** | 1% | 0% | 0% | 0% | 0% | 0% |
| **Kerala- % Institutional Deliveries against Reported Deliveries** | 99% | 100% | 100% | 100% | 100% | 100% |

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| **Kerala - C- Section Deliveries**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total Reported Institutional Deliveries** | **181,558** | **489,828** | **482,979** | **486,306** | **492,500** | **375,127** |
| **C- Section Deliveries (Pub)** | **61673** | **58198** | **54077** | **51896** | **53346** | **42616** |
| **C- Section Deliveries (Pvt)** | **83738** | **109992** | **132000** | **135510** | **141408** | **106099** |
| **Total C- Section Deliveries (Pub & Pvt)** | **145411** | **168190** | **186077** | **187406** | **194754** | **148715** |
| **Kerala - C - Section deliveries against Institutional(Pub & Pvt) deliveries** | **80%** | **34%** | **39%** | **39%** | **40%** | **40%** |

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| **Kerala - 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)** | **181,558** | **489,828** | **482,979** | **486,306** | **492,500** | **375,127** |
| **Stay Duration less than 48 hrs** | **0** | **57687** | **50774** | **57503** | **17299** | **10968** |
| **Kerala - Duration of stay less than 48 hrs as Percentage of Reported Institutional Deliveries** | **0%** | **12%** | **11%** | **12%** | **4%** | **3%** |

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| **Kerala - Abortions**  |
| **Abortion** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **MTP - Up to 12 weeks of pregnancy** | **0** | **6494** | **4729** | **4128** | **3277** | **1928** |
| **MTP - More than 12 weeks of pregnancy** | **0** | **349** | **328** | **392** | **338** | **189** |
| **Total MTP in Public Facilities** | **0** | **6843** | **5057** | **4520** | **3615** | **2117** |
| **Number of MTPs conducted at Private Facilities** | **0** | **4903** | **7033** | **7169** | **7426** | **6669** |
| **Abortions ( Induced/Spontaneous)** | **24675** | **22300** | **18271** | **17006** | **16681** | **13054** |

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| **Kerala - 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** | **0%** | **62%** | **84%** | **91%** | **95%** | **97%** |
|  **% Women getting a post partum check up between 48 hours and 14 days against total deliveries** | **0%** | **67%** | **81%** | **84%** | **99%** | **113%** |

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| **Kerala- JSY Payments**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Home Deliveries** | **1,624** | **1,419** | **1,163** | **946** | **1,029** | **734** |
| **JSY Paid to mothers for Home Deliveries** | **0** | **283** | **133** | **74** | **66** | **26** |
| **Kerala - JSY paid to mothers -%age of Reported Home deliveries** | **0%** | **20%** | **11%** | **8%** | **6%** | **4%** |
| **Institutional Deliveries(Pub)** | **181,558** | **150,267** | **135,713** | **137,963** | **136,607** | **112,602** |
| **JSY Paid to mothers for Institutional Deliveries(Pub)** | **0** | **80604** | **78910** | **74188** | **131200** | **89552** |
| **Kerala - JSY paid to mothers -%age of Reported Institutional deliveries - Public** | **0%** | **54%** | **58%** | **54%** | **96%** | **80%** |
| **Institutional Deliveries(Pvt)** | **-** | **339,561** | **347,266** | **348,343** | **355,893** | **262,525** |
| **JSY Paid to mothers for Institutional Deliveries(Pvt)** | **0** | **9109** | **9999** | **8671** | **6925** | **5034** |
| **Kerala - JSY paid to mothers -%age of Reported Institutional deliveries - Pvt** | **#DIV/0!** | **3%** | **3%** | **2%** | **2%** | **2%** |

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| **Kerala - Newborn Care**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Live Births** | **480,687** | **486,330** | **492,016** | **507,493** | **499,892** | **502,320** |
| **Reported Live Births** | **487858** | **491207** | **484752** | **484086** | **492595** | **377105** |
| **Kerala - %ge Reported Live Births against Estimated Live Births** | **101%** | **101%** | **99%** | **95%** | **99%** | **75%** |
| **Newborns Weighed** | 500,745 | 462,235 | 479,009 | 477,477 | 492,142 | 376,672 |
| **Kerala - %ge Newborns weighed against Reported Live Births** | **103%** | **94%** | **99%** | **99%** | **100%** | **100%** |
| **Newborns Weighed Less than 2.5kgs** | 58,515 | 46,165 | 51,499 | 53,653 | 53,633 | 43,019 |
| **Kerala - %ge Newborns weighed less than 2.5 Kgs against Newborn weighed** | **12%** | **9%** | **11%** | **11%** | **11%** | **11%** |
| **Newborns Breastfed within 1 hr of Birth** | 4,229 | 403,454 | 415,738 | 410,015 | 437,716 | 349,919 |
| **Kerala - %ge Newborns Breastfed within 1 hr of Birth against Reported Live Births** | **1%** | **82%** | **86%** | **85%** | **89%** | **93%** |
| **Still Births** | 2415 | 2230 | 2252 | 2338 | 2363 | 1728 |
| **Abortions - Spontaneous/Induced** | 24675 | 22300 | 18271 | 17006 | 16681 | 13054 |

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| **Kerala - Child Immunisation ( 0 to 11mnth )**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Estimated Live Births** | **480,687** | **486,330** | **492,016** | **507,493** | **499,892** | **502,320** |
| **Measles Given ( 0 -11 mnth)** | **494112** | **508182** | **487992** | **469647** | **502248** | **371672** |
| **Fully Immunised ( 0 -11 mnth)** | **473415** | **494731** | **466500** | **446020** | **483822** | **366411** |
| **Kerala- Fully Immunised ( 0 to 11 mnths) Against Expected Live Births** | **98%** | **102%** | **95%** | **88%** | **97%** | **73%** |
| **Reported Live Births** | 487,858 | 491,207 | 484,752 | 484,086 | 492,595 | 377,105 |
| **Kerala- Fully Immunised ( 0 to 11 mnths) Against Reported Live Births** | **97%** | **101%** | **96%** | **92%** | **98%** | **97%** |
| **Deaths Due to Immunisation** | 0 | 0 | 16 | 6 | 7 | 1 |
| **Kerala - BCG to Measels Drop out Rate**  | **3%** | **3%** | **2%** | **7%** | **0%** | **4%** |

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| **Kerala - 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** | **395,085** | **198,502** | **199,466** | **200,326** | **201,299** | **202,276** |
| **Immunisation Sessions held as percentage of required VHNDs** | **23%** | **102%** | **108%** | **102%** | **93%** | **73%** |
|  **% Sessions where ASHAs were present** | **0%** | **77%** | **79%** | **80%** | **88%** | **88%** |

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| **Kerala - Family Planning**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Male Sterilisations** |  4,657  |  3,767  |  2,686  |  1,916  |  2,128  |  1,595  |
| **Female Sterilisations** |  123,226  |  97,664  |  102,347  |  95,841  |  99,126  |  74,316  |
| **IUD** |  64,440  |  61,762  |  59,135  |  55,545  |  55,950  |  44,108  |
| **OCP Users ( OCP Cycles/13)** |  26,391  |  23,013  |  11,419  |  8,934  |  7,936  |  3,967  |
| **Condom Users ( Condom Pieces/72 )** |  98,710  |  112,431  |  75,808  |  70,503  |  86,306  |  53,484  |
| **Total FP method Users** |  317,424  |  298,637  |  251,395  |  232,739  |  251,446  |  177,471  |
| **% Of FP users Using Limiting Methods** | **40.29%** | **33.96%** | **41.78%** | **42.00%** | **40.27%** | **42.77%** |
| **% Of FP users Using Spacing Methods** | **59.71%** | **66.04%** | **58.22%** | **58.00%** | **59.73%** | **57.23%** |

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| **Kerala- Service Delivery**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Population** | **32,923,786** | **33,083,673** | **33,244,336** | **33,387,677** | **33,549,817** | **33,712,744** |
| **Total OPD** | - | 55,045,714 | 65,871,082 | 61,159,951 | 74,512,826 | 63,843,488 |
| **Total IPD** | - | 1,661,859 | 2,370,404 | 2,745,276 | 3,059,443 | 2,465,735 |
| **OPD per 1000 population** | **0.00** | **1663.83** | **1981.42** | **1831.81** | **2220.96** | **1893.75** |
| **IPD per 1000 population** | 0.00 | 50.23 | 71.30 | 82.22 | 91.19 | 73.14 |
| **Operation Major( General and Spinal Anaesthesia)** | 0.00 | 128,488 | 168,574 | 213,357 | 282,604 | 215,075 |
| **Operation Major per 100000 population** | **0.00** | **388.37** | **507.08** | **639.03** | **842.34** | **637.96** |
| **Operation Minor( No or local Anaesthesia)** | - | 104,074 | 174,726 | 207,393 | 284,042 | 244,400 |
| **Operation Minor as % of OPD** | **#DIV/0!** | **0.19%** | **0.27%** | **0.34%** | **0.38%** | **0.38%** |
| **AYUSH** | - | 1,878 | 1,238 | 1,024 | 3,184 | 2,058 |
| **Ayush as % of OPD** | **#DIV/0!** | **0.0%** | **0.0%** | **0.0%** | **0.0%** | **0.0%** |
| **Dental Procedures** | - | 146,377 | 212,316 | 252,434 | 342,890 | 295,816 |
| **Dental Procedures as % of OPD** | **#DIV/0!** | **0.27%** | **0.32%** | **0.41%** | **0.46%** | **0.46%** |
| **Adolescent Counselling** | - | 11,523 | 16,549 | 15,835 | 17,627 | 16,333 |
| **Adolescent Counselling as % of OPD** | **#DIV/0!** | **0.02%** | **0.03%** | **0.03%** | **0.02%** | **0.03%** |

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| **Kerala - Childhood Diseases**  |
| **Types of Diseases** |  **2008-09**  |  **2009-10**  |  **2010-11**  |  **2011-12**  |  **2012-13**  |  **Apr'13-Dec'13**  |
| **Population** |  **32,923,786**  |  **33,083,673**  |  **33,244,336**  |  **33,387,677**  |  **33,549,817**  |  **33,712,744**  |
| **Diphtheria**  | **0** | **10** | **2** | **6** | **4** | **24** |
| **Pertussis**  | **0** | **74** | **70** | **47** | **53** | **40** |
| **Tetanus Neonatorum** | **0** | **0** | **0** | **1** | **0** | **0** |
| **Tetanus others** | **0** | **6** | **4** | **4** | **8** | **4** |
| **Polio** | **0** | **0** | **0** | **0** | **0** | **0** |
| **Measles** | **0** | **2645** | **2712** | **1095** | **1121** | **594** |
| **Diarrhoea and dehydration** | **0** | **87997** | **62663** | **46557** | **40714** | **29369** |
| **Malaria** | **0** | **586** | **492** | **866** | **603** | **581** |
| **Number admitted with Respiratory Infections** | **0** | **77994** | **60737** | **61650** | **72549** | **63492** |

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| **Kerala -Lab Tests**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Total HB tested** |  -  |  1,006,796  |  1,842,019  |  337,321,538  |  3,581,969  |  2,993,238  |
| **HB Tested as %age of OPD** | **#DIV/0!** | **967%** | **1054%** | **162648%** | **1261%** | **1225%** |
| **HB <7 gm as %age of HB tested** | **#DIV/0!** | **1.81%** | **1.18%** | **0.01%** | **1.24%** | **0.93%** |
| **Total HIV tested** |  -  |  56,676  |  85,836  |  148,495  |  226,710  |  370,780  |
| **HIV Tested as %age of OPD** | **#DIV/0!** | **54%** | **49%** | **72%** | **80%** | **152%** |
| **HIV Tested positive as %age of HIV tested** | #DIV/0! | 20% | 30% | 26% | 27% | 14% |
| **Total VDRL Tested** |  -  |  83,161  |  147,226  |  207,692  |  303,510  |  276,537  |
| **VDRL Tested as %age of OPD** | **#DIV/0!** | **79.9%** | **84.3%** | **100.1%** | **106.9%** | **113.1%** |
| **Total Widal Test Conducted** | 0 | 36006 | 66803 | 80237 | 131331 | 116048 |
| **Widal Test Conducted as %age of OPD** | **#DIV/0!** | **34.6%** | **38.2%** | **38.7%** | **46.2%** | **47.5%** |
| **Blood Smear Examined** |  -  |  1,524,997  |  1,561,955  |  1,484,283  |  1,688,727  |  1,417,454  |
| **Blood Smear Examined as %age of population** | **0%** | **5%** | **5%** | **4%** | **5%** | **4%** |
| **Kerala - 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** | **835** | **468** | **433** | **380** | **231** | **126** |
| **Infant deaths between 24 hrs to 4weeks of Birth** | **2161** | **18** | **805** | **948** | **736** | **498** |
| **Infant deaths between 1 month to11months of Birth** | **921** | **6** | **187** | **149** | **137** | **85** |
| **Infant deaths between 1 year to 5 yrs of Birth**  | **516** | **2** | **72** | **58** | **65** | **49** |
| **Total** | **4433** | **494** | **1497** | **1535** | **1169** | **758** |

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| **Kerala - Maternal Deaths**  |
| **2008-09** | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Abortions** | **0** | **1** | **0** | **0** | **0** | **1** |
| **Obstructed/prolonged Labour** | **0** | **2** | **0** | **0** | **1** | **0** |
| **Severe Hypertension/Fits** | **0** | **8** | **8** | **3** | **1** | **0** |
| **Bleeding** | **0** | **3** | **8** | **4** | **4** | **0** |
| **High Fever** | **0** | **0** | **9** | **1** | **0** | **0** |
| **Other Causes** | **0** | **10** | **7** | **0** | **0** | **0** |
| **Total deaths** | **0** | **24** | **32** | **8** | **6** | **1** |

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| **Kerala - Deaths ( others)**  |
|  | **2008-09** | **2009-10** | **2010-11** | **2011-12** | **2012-13** | **Apr'13-Dec'13** |
| **Diarrhoeal Diseases**  | **0** | **0** | **4** | **0** | **4** | **2** |
| **Tuberculosis** | **0** | **0** | **25** | **13** | **22** | **18** |
| **Respiratory Diseases(Other than TB)** | **0** | **1** | **634** | **317** | **261** | **174** |
| **Malaria**  | **0** | **0** | **3** | **0** | **1** | **0** |
| **Other fever Related** | **0** | **0** | **15** | **11** | **9** | **4** |
| **HIV/AIDS** | **0** | **0** | **3** | **2** | **1** | **0** |
| **Heart Disease/ Hypertension related**  | **0** | **2** | **1287** | **761** | **804** | **555** |
| **Neurological Disease including strokes**  | **0** | **0** | **291** | **170** | **179** | **104** |
| **Trauma/Accidents/ Burn Cases** | **0** | **0** | **77** | **31** | **25** | **20** |
| **Suicide**  | **0** | **1** | **129** | **91** | **72** | **27** |
| **Animal Bites & Stings**  | **0** | **0** | **3** | **0** | **0** | **5** |
| **Known Acute Disease**  | **0** | **0** | **62** | **25** | **61** | **56** |
| **Known Chronic Disease**  | **0** | **3** | **292** | **156** | **200** | **146** |
| **Causes not known**  | **0** | **3** | **1747** | **692** | **520** | **287** |
|  **Total Deaths**  | **0** | **10** | **4572** | **2269** | **2159** | **1398** |