**Table 1:Total No Of Blood Units Collection, Year Wise From 2008-2014.**

  **(Age of donors , 18-60 Years)**

|  |  |  |
| --- | --- | --- |
| S.N | Name of the year | No of collection |
| 1 | 2008 | 11685 |
| 2 | 2009 | 11085 |
| 3 | 2010 | 11805 |
| 4 | 2011 | 13224 |
| 5 | 2012 | 16767 |
| 6 | 2013 | 20507 |
| 7 | 2014 | 21233 |
|  | **Grand Total** | **106,306** |

 **Table 2: Percentage Of Transfusion Transmitted Infections Among**

 **Blood Donors, Year wise(2008-2014).**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.N | Name of the year | Total no of HIV positive cases | % of HIVpositive cases | Total no of HBSAg positive cases | % of HBSAg positive cases | Total no of HCV positive cases | % of HCV positive cases | Total no of Malarial Parasite Positive cases | % of Malarial Parasite positive cases | Total no of Syphlis positive cases | % of Syphlis positive cases |
| 1 | 2008 | 04 | 0.03 | 110 | 0.94 | 14 | 0.11 | 50 | 0.42 | 03 | 0.02 |
| 2 | 2009 | 04 | 0.03 | 133 | 1.19 | 05 | 0.04 | 09 | 0.08 | Nil | 0.00 |
| 3 | 2010 | 12 | 0.10 | 95 | 0.80 | 12 | 0.10 | 23 | 0.19 | Nil | 0.00 |
| 4 | 2011 | 11 | 0.08 | 127 | 0.96 | 34 | 0.25 | 64 | 0.48 | 12 | 0.09 |
| 5 | 2012 | 14 | 0.08 | 166 | 0.99 | 17 | 0.10 | 66 | 0.39 | 05 | 0.02 |
| 6 | 2013 | 15 | 0.07 | 151 | 0.73 | 26 | 0.12 | 34 | 0.16 | 01 | 0.0048 |
| **7** | 2014 | 12  | 0.05 | 188 | 0.88 | 19 | 0.08 | 26 | 0.12 | Nil | 0.00 |

 **Table 3: Average Percentage Of Transfusion Transmitted Infections Among Blood Donors From 2008-2014.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.N | Total collection of blood units during 2008 to 2014 | Transfusion transmitted infections | Total no of positive cases during 2008 to 2013 | Average % of positive cases during 2008 to 2013 |
| 1 |    106,306 | HIV | 72 | 0.06 |
| 2 | HBSAg | 970 | 0.91 |
| 3 | HCV | 127 | 0.11 |
| 4 | Malarial Parasite | 272 | 0.25 |
| 5 | Syphlis | 21 | 0.01 |
|  |  | **Grand Total** | **1462** | **1.37** |

 **Table-4 Comparison of TTI prevalence rate in different parts of India ( cross reference-19)**

| **Place** |  **HIV (%)** |  **HBsAg (%)** |  **HCV (%)** | **Syphilis (%)**  |
| --- | --- | --- | --- | --- |
|  Delhi |  0.56 |  2.23 |  0.66 |  |
|  Southern Haryana |  0.3 |  1.7 |  1.0 |  0.9 |
|  West Bengal |  0.28 |  1.46 |  0.31 |  0.72 |
|  Bangalore, Karnataka |  0.44 |  1.86 |  1.02 |  1.6 |
|  Mysore |  0.44 |  1.27 |  0.23 |  0.28 |
|  **Present study** |  **0.06** |  **0.91** |  **0.11** |  **0.01** |

 **Table-5 Comparison of prevalence of TTIs with various studies in India ( Cross reference 36 & 37)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  **Author &Year** | **Place** | **Total TTIs** | **HIV** | **HBV** | **HCV** | **Syphilis** |
| **Gupta N et al21** (2001-2003(11) | **Ludhiana** |  **2.68 %** |  **0.084 %** |  **0.66 %** |  **1.09 %** |  **0.85%** |
| **Chadra et al 22**2001–2006 (15) | **Lucknow, U.P.** |  **2.54 %** |  **0.23 %** |  **1.96%** |  **0.34%** |  **0.01%** |
| **Nilima Sawke et al23**(2006–2008 (12) | **Bhanpur, M.P.** |  **4.21 %** |  **0.51 %** |  **2.90%** |  **0.57%** |  **0 .23%** |
| **Bhawani et al 24**(2004-2009(13) | **Vikarabad, AP** |  **2.72 %** |  **0.39 %** |  **1.41%** |  **0.84%** |  **0.08%** |
| **Jasani et al 25** 2004-2011PIpARIA(16)  | **Piparia, Gujarat**  |  **3.35 %** |  **0.25 %** |  **1.35%** |  **0.85%** |  **0.90%** |
| **Dayal S26** 2006-2011 (14)  | **Etawah, UP** | **3.16 %** | 0.19 % | **2.63%** | **0.34%** | **not done** |
| **Patel. A.et al** **(2005-2011)** | **Sola, Ahmedabad,****Gujarat**  |  **0.53 %** | **0.08 %** | **0.30%** | **0.09%** | **0.06%** |
| **DograShruti et al**(2009-2012) | **New Delhi** |  **4.3%**  | **0.72** | **2.4%** | **0.7%** | **0.48%** |
| **Present study****(2008-2014** | **Ranchi,Jharkhand** |  **1.37** | **0.06** | **0.91** | **0.11** | **0.01** |