

# BOTSWANA - MATERNAL MORTALITY RATIO (MMR) 2009- 2013

No. 2014/1

## STATISTICS BOTSWANA

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## 1.0 Introduction

Complications during pregnancy and childbirth are a leading cause of death and disability among women of reproductive age in developing countries. The maternal mortality ratio represents the risk associated with each pregnancy, i.e. the obstetric risk. It is also a Millennium Development Goals issue where Botswana signed to improve maternal health and reduce of maternal mortality ratio by three quarters between 1990 and 2015.

Maternal death is the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes. To facilitate the identification of maternal deaths in circumstances in which cause of death attribution is inadequate, a new category has been introduced: Pregnancy-related death is defined as the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the cause of death.

This Stats Brief provides information on Botswana Maternal Mortality Ratio and causes of maternal deaths for the period 2009 – 2013. Maternal Mortality Ratio is defined as the number of deaths per 100,000 live births. As part of a collaborative effort between Statistics Botswana and Ministry of Health (Department of Public Health- Sexual and Reproductive Health (SRH) to improve the availability and quality of maternal mortality information, the two organizations, ensure that data on live births and maternal deaths are provided.



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**Statistician General**  
**November 2014**

## 2.0 Access to Health Services and Birth Attendants Assistance

Facilitating access is concerned with helping people to command appropriate health care resources in order to preserve or improve their health. If services are available and there is an adequate supply of services, then the opportunity to obtain health care exists, and a population may 'have access to services. The extent to which a population 'gains access also depends on financial, organizational and social or cultural barriers that limit the utilization of services. Thus access measured in terms of utilization is dependent on the affordability, physical accessibility and acceptability of services and not merely adequacy of supply. Services available must be relevant and effective if the population is to 'gain access to satisfactory health outcomes'. The availability of services, and barriers to access, have to be considered in the context of the differing perspectives, health needs and material and cultural settings of diverse groups in society.

According to the 2007 Botswana Family Health Survey II (BFHS) conducted by Central Statistics Office, 95 percent of Botswana lives within an 8 kilometre radius from a health facility. In addition 98 percent of mothers deliver in a health facility where they are attended to by a trained birth attendant. Hence there is a high coverage and precision on the collection of births and deaths data.

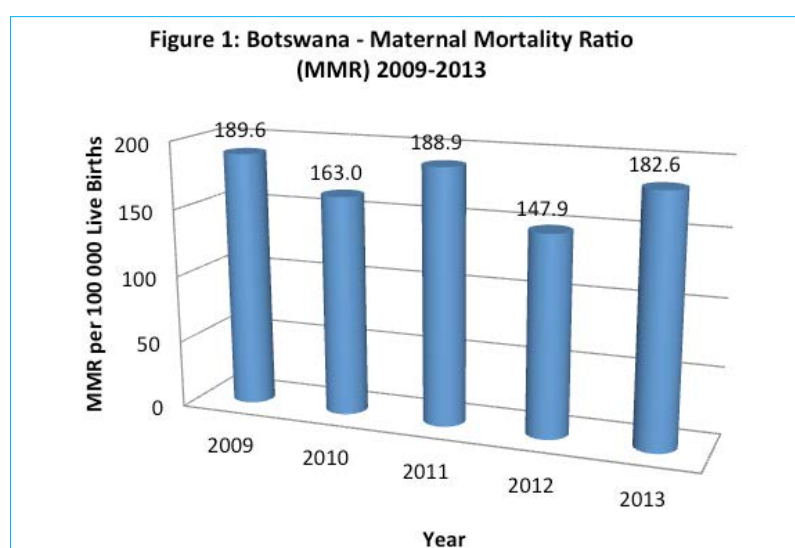
The 2007 BFHS further II indicated that over 99 percent of deliveries have been assisted by skilled birth attendants in cities/towns accounting for, 97.2 percent in urban villages and 90.2 percent in rural areas. However, the high level of birth attendance by skilled health personnel gives accurate identification and classification of maternal death cases, as well as certification of causes of maternal deaths. The survey further indicates that over 95 percent of all reported deliveries occur in health facilities.

## 3.0 Maternal Mortality Ratio (MMR) Trend

Botswana Maternal Mortality Ratio for the period 2009 to 2013 is shown in Table 1 and Figure 1. The MMR shows an increase of 23.5 percent from 147.9 to 182.6 per 100,000 live-births between 2012 and 2013.

**Table 1: Botswana Maternal Mortality Ratio 2009 – 2013**

|   | 2009          | 2010          | 2011          | 2012          | 2013          |
|---|---------------|---------------|---------------|---------------|---------------|
| Institutional live births                         | 45,145        | 49,853        | 44,904        | 49,957        | 49,771        |
| Non-Institutional live-births                     | 220           | 475           | 104           | 91            | 68            |
| <b>Total live-births</b>                          | <b>45,365</b> | <b>50,328</b> | <b>45,008</b> | <b>50,048</b> | <b>49,839</b> |
| Maternal Deaths                                   | 86            | 82            | 85            | 74            | 91            |
| Maternal Morality Ratio (per 100,000 live-births) | 189.57        | 163           | 188.86        | 147.9         | 182.6         |

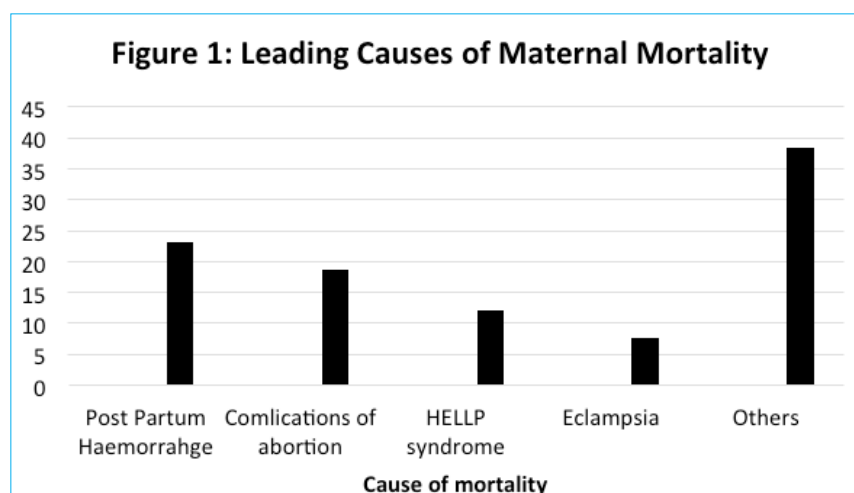


## 4.0 Causes of Maternal Mortality by Age

There were 91 maternal deaths in 2013 as indicated in Table 1, 2 and 4. The most common causes of maternal mortality as indicated in Table 2 and Table 4 was Other Immediate Postpartum Hemorrhage with 19 cases, Other and Unspecified Failed Attempted Abortion (15 cases), HELLP syndrome (Hemolysis, Elevated Liver Enzymes and Low Platelet Count) 11 cases, Eclampsia, Unspecified as to time period (7 cases and Diseases of the Circulatory System Complicating pregnancy, Childbirth and the Puerperium with 6 cases.

However, in 2013 there was only 1 case of HIV related diseases which contributed to maternal deaths (Table 2). Table 2 further indicates that the HIV pandemic has been dropping since 2010; this drop might be attributed by the interventions in place.

In table 4, the highest (26 percent) maternal deaths were reported were 24 which were among the age groups 30-34, followed by age groups 35-39 (25 percent), 25-29 (20 percent) and 20-24 with 14 percent respectively. However there was no maternal death recorded in ages 45 and above.



**Table 2: Summary of Causes of Maternal Deaths**

| Major causes of Maternal Deaths              | 2009      |            | 2010      |            | 2011      |            | 2012      |            | 2013      |            |
|--|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
|  | Number    | %          | Number    | %          | Number    | %          | Number    | %†         | Number    | %†         |
| HIV-related & other viral diseases           | 11        | 12.8       | 8         | 9.8        | 3         | 3.5        | 1         | 1.4        | 1         | 1.1        |
| Top cause of Maternal Deaths (excluding HIV) | 36        | 41.9       | 27        | 32.9       | 41        | 48.2       | 41        | 55.4       | 58        | 63.7       |
| Other diseases                               | 39        | 45.3       | 47        | 57.3       | 41        | 48.2       | 32        | 43.2       | 32        | 35.2       |
| <b>Total</b>                                 | <b>86</b> | <b>100</b> | <b>82</b> | <b>100</b> | <b>85</b> | <b>100</b> | <b>74</b> | <b>100</b> | <b>91</b> | <b>100</b> |

\*Note: Top – cause of Maternal Deaths refer to Table 4

## 5.0 Institutional Births

Institutional delivery refers to giving birth to a child in a medical institution under the overall supervision of trained and competent health personnel where there are more amenities available to handle the situation and save the life of the mother and child.

There were 49,771 Institutional births in 2013 as indicated in Table 1. Table 3 shows that most births (63.4 percent) occurred in General Hospitals, as compared to 21.6 percent and 14.8 percent in primary hospitals and clinics respectively. It is quite evident that most mothers prefer to deliver in health facilities than at home (Table 3). The overall average length of stay in a health facility was 7 days (Table 5) which is skewed towards hospitals as they often handle complicated referral cases.

**Table 3: Live Births by Place of delivery 2012 - 2013**

| Place of Birth           | 2012          |            | 2013          |              |
|--------------------------|---------------|------------|---------------|--------------|
|                          | Number        | Percent    | Number        | Percent      |
| General Hospital         | 30,822        | 61.6       | 31,617        | 63.4         |
| Primary Hospital         | 9,593         | 19.2       | 10,784        | 21.6         |
| Clinics                  | 9,542         | 19.1       | 7,370         | 14.8         |
| Non Institutional        | 91            | 0.2        | 68            | 0.1          |
| <b>Total Live Births</b> | <b>50,048</b> | <b>100</b> | <b>49,839</b> | <b>100.0</b> |

## 5.0 Non-Institutional Births

The non-institutional births continue to decline, as indicated by 0.2 percent and 0.1 percent in 2012 and 2013 respectively (Table 3). Table 6 indicates that Ghantsi district continues to report the highest non-institutional births notably: 36 births, accounting for 52.9 percent, followed by Okavango (26 births) with 38.2 percent, Mabutsane (5 births) with 7.4 percent and Goodhope (1 birth) with 1.5 percent.

## 6.0 Born Before Arrival (BBA)

The BBA refers to babies brought to the health facility after delivery. Table 5 shows BBA accounted for 3.7 percent of all live births in 2013. This was a decrease of 0.3 percent from the 4.0 percent in 2012 (Table 5).

## 7.0 Technical Note

The availability of data on number of live births and maternal mortality are a collaborative effort between Ministry of Health's Sexual and Reproductive Health Unit and Statistics Botswana through its Health Statistics Unit to ensure production of quality national maternal mortality information.

### 7.1 Access to Health Services in Botswana

In Botswana, healthcare is delivered through a decentralized system with primary health care being the pillar of the delivery system. Botswana has an extensive network of health facilities (Hospitals, Clinics, Health posts and Mobile Stops) clustered in the 27 Health Districts, following the relocation of Tonota and Tlokweng Sub-districts to Greater Francistown and Greater Gaborone respectively.

Definition of Maternal Mortality Ratio (MMR)

As already alluded to, Maternal Mortality Ratio is defined as the number of maternal deaths per 100,000 live births. This indicator estimates the proportion of pregnant women or mothers who die from causes related or aggravated by pregnancy or its management. The ratio is expressed as follows:

$$\frac{\text{Maternal deaths} * K}{\text{Live Births}}$$

Where K = 100,000.

## World Health Organization (WHO) Maternal Death Definitions for classification and calculation of MMR

### MR: key terminologies

The following World Health Organization (WHO) maternal death definitions were used for classification and calculation of MMR. The classification of causes of maternal deaths is also according to WHO International Classification of Diseases Volume 10 (ICD 10).

|  |   |
|--|---|
| <b>Maternal Death</b>  | A death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes. |
| <b>Direct Maternal Death</b>   | A death resulting from complications of pregnancy, labor or delivery or their management.   |
| <b>Indirect Maternal Death</b>                                       | A death in which pregnancy exacerbated a preexisting health problem.  |
| <b>Non-Maternal Death</b>  | A death that occurred during pregnancy or within 42 days of termination of pregnancy, but was considered unrelated to pregnancy (e.g. due to injury, homicide, or suicide).   |
| <b>Maternal Mortality Ratio<br/>(Commonly abbreviated as MMR)</b>    | Number of maternal deaths during a given period per 100,000 live-births during the same time-period.  |
| <b>Maternal Mortality Rate<br/>(Commonly abbreviated as MM Rate)</b> | Number of maternal deaths in a given period per 100,000 women of reproductive age during the same time period.  |

**Table 4 Causes of Maternal Mortality by Age Group of Mother - 2013**

| Code               | Diagnosis   | Age group of mothers (years) |          |           |           |           |           |          | N/S      | Total    |           |
|--------------------|---|------------------------------|----------|-----------|-----------|-----------|-----------|----------|----------|----------|-----------|
|                    |   | <15                          | 15-19    | 20-24     | 25-29     | 30-34     | 35-39     | 40-44    |          |          | 45+       |
| B21.0              | HIV resulting in kaposi sarcoma   | 0                            | 0        | 1         | 0         | 0         | 0         | 0        | 0        | 0        | 1         |
| O00.0              | Ectopic pregnancy, unspecified  | 0                            | 0        | 0         | 0         | 0         | 1         | 0        | 0        | 0        | 1         |
| O05.8              | Other abortion complete or unspecified, with other and unspecified complications                          | 0                            | 0        | 1         | 0         | 0         | 0         | 0        | 0        | 0        | 1         |
| O06.3              | Incomplete abortion with other and unspecified complications  | 0                            | 0        | 0         | 0         | 0         | 1         | 0        | 0        | 0        | 1         |
| O07.5              | Other and unspecified failed attempted abortion, complicated by genital tract and pelvic infection        | 0                            | 0        | 1         | 6         | 3         | 3         | 2        | 0        | 0        | 15        |
| O08.0              | Genital tract and pelvic infection following abortion and ectopic and molar pregnancy                     | 0                            | 0        | 1         | 1         | 0         | 0         | 0        | 0        | 0        | 2         |
| O00.9              | Ectopic pregnancy, unspecified  | 0                            | 0        | 0         | 1         | 0         | 0         | 0        | 0        | 1        | 2         |
| O13                | Gestational (pregnancy-induced) hypertension with significant proteinuria                                 | 0                            | 0        | 0         | 0         | 0         | 1         | 0        | 0        | 0        | 1         |
| O14.2              | HELLP syndrome ( Hemolysis, Elevated Liver Enzymes and Low Platelet Count)                                | 0                            | 1        | 3         | 1         | 3         | 2         | 1        | 0        | 0        | 11        |
| O15.9              | Eclampsia, unspecified as to time period  | 0                            | 0        | 1         | 2         | 1         | 2         | 1        | 0        | 0        | 7         |
| O24.9              | Diabetes mellitus in pregnancy, unspecified   | 0                            | 0        | 0         | 0         | 0         | 0         | 1        | 0        | 0        | 1         |
| O44.1              | Placenta praevia with haemorrhage   | 0                            | 0        | 0         | 1         | 0         | 0         | 0        | 0        | 0        | 1         |
| O45.9              | Premature separation of placenta, unspecified   | 0                            | 0        | 0         | 0         | 1         | 0         | 0        | 0        | 0        | 1         |
| O72.0              | Third stage haemorrhage   | 0                            | 0        | 0         | 0         | 1         | 0         | 0        | 0        | 0        | 1         |
| O72.1              | Other immediate post partum hemorrhage  | 0                            | 0        | 0         | 3         | 5         | 9         | 2        | 0        | 0        | 19        |
| O72.3              | Postpartum coagulation defects  | 0                            | 0        | 1         | 0         | 0         | 0         | 0        | 0        | 0        | 1         |
| O74.9              | Complication of anaesthesia during labour and delivery, unspecified                                       | 0                            | 0        | 0         | 0         | 1         | 0         | 0        | 0        | 0        | 1         |
| O85                | Puerperal sepsis  | 0                            | 2        | 0         | 1         | 0         | 0         | 0        | 0        | 0        | 3         |
| O87.9              | Venous complication in the puerperium, unspecified  | 0                            | 0        | 1         | 0         | 0         | 0         | 0        | 0        | 0        | 1         |
| O95                | Obstetric death of unspecified cause  | 0                            | 0        | 0         | 1         | 0         | 1         | 0        | 0        | 0        | 2         |
| O98.0              | Tuberculosis complicating pregnancy, childbirth and the puerperium  | 0                            | 0        | 1         | 0         | 0         | 0         | 0        | 0        | 0        | 1         |
| O98.5              | Other viral diseases complicating pregnancy, childbirth and puerperium                                    | 0                            | 0        | 0         | 0         | 2         | 0         | 0        | 0        | 0        | 2         |
| O98.6              | Protozoal diseases complicating pregnancy, childbirth and puerperium                                      | 0                            | 1        | 0         | 0         | 0         | 0         | 0        | 0        | 0        | 1         |
| O98.7              | HIV disease complicating pregnancy, childbirth and puerperium   | 0                            | 0        | 0         | 0         | 1         | 0         | 0        | 0        | 0        | 1         |
| O98.8              | Other maternal infectious and parasitic diseases complicating pregnancy, childbirth and the puerperium    | 0                            | 0        | 1         | 0         | 1         | 1         | 0        | 0        | 0        | 3         |
| O99.2              | Endocrine, nutritional and metabolic diseases complicating pregnancy, childbirth and the puerperium       | 0                            | 1        | 1         | 0         | 0         | 0         | 0        | 0        | 0        | 2         |
| O99.3              | Mental disorders and diseases of the nervous system complicating pregnancy, childbirth and the puerperium | 0                            | 0        | 0         | 1         | 0         | 0         | 0        | 0        | 0        | 1         |
| O99.4              | Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium                  | 0                            | 0        | 0         | 0         | 4         | 2         | 0        | 0        | 0        | 6         |
| O99.5              | Diseases of the respiratory system complicating pregnancy, childbirth and the puerperium                  | 0                            | 0        | 0         | 0         | 1         | 0         | 0        | 0        | 0        | 1         |
| <b>Grand Total</b> |   | <b>0</b>                     | <b>5</b> | <b>13</b> | <b>18</b> | <b>24</b> | <b>23</b> | <b>7</b> | <b>0</b> | <b>1</b> | <b>91</b> |

**Table 5 Health Facilities by Patients Care Services - 2013**

| District Health Facility           | Beds         | Patient admissions | Discharged     |              |                  | Occ upancy Rate (%) | Average L. of Stay (Days) | Turnover Rate | Newborn Discharged |              |               |            | Total Livebirths |
|------------------------------------|--------------|--------------------|----------------|--------------|------------------|---------------------|---------------------------|---------------|--------------------|--------------|---------------|------------|------------------|
|                                    |              |                    | Alive          | Dead         | Patient days     |                     |                           |               | Number             | BBA          | Alive         | Dead       |                  |
| <b>General Hospitals</b>           |              |                    |                |              |                  |                     |                           |               |                    |              |               |            |                  |
| Letsholathebe Memorial Hospital    | 314          | 7,805              | 7,630          | 177          | 59,425           | 52                  | 8                         | 25            | 381                | 1            | 424           | 0          | 382              |
| Delta Medical Centre               | 0            | 0                  | 0              | 0            | 0                | 0                   | 0                         | 0             | 0                  | 0            | 0             | 0          | 0                |
| Sekgoma Memorial Hospital          | 448          | 11,043             | 10,866         | 277          | 80,459           | 49                  | 7                         | 25            | 2,236              | 39           | 2,110         | 61         | 2,275            |
| Scottish Livingstone Hospital      | 338          | 8,907              | 8,497          | 406          | 61,914           | 50                  | 7                         | 26            | 2,836              | 102          | 2,808         | 31         | 2,938            |
| Bokamoso Private Hospital          | 128          | 4,521              | 4,418          | 58           | 13,604           | 29                  | 3                         | 35            | 720                | 0            | 688           | 0          | 720              |
| Jwaneng Mine Hospital              | 55           | 2,654              | 2,531          | 87           | 10,763           | 54                  | 4                         | 48            | 865                | 17           | 865           | 16         | 882              |
| Kanye Seventh Day Advent. Hospital | 167          | 5,156              | 4,946          | 204          | 22,318           | 37                  | 4                         | 31            | 1,565              | 33           | 1,560         | 26         | 1,598            |
| Mahalapye Hospital                 | 320          | 8,665              | 8,460          | 343          | 99,924           | 86                  | 11                        | 28            | 2,389              | 98           | 2,358         | 31         | 2,487            |
| Deborah Relief Memorial Hospital   | 181          | 5,347              | 5,126          | 191          | 32,258           | 49                  | 6                         | 29            | 1,683              | 0            | 1,538         | 17         | 1,683            |
| Orapa Hospital                     | 106          | 1,323              | 1,275          | 22           | 6,551            | 17                  | 5                         | 12            | 295                | 6            | 306           | 1          | 301              |
| Princes Marina Ref. Hospital       | 582          | 27,590             | 26,729         | 1,044        | 331,293          | 156                 | 12                        | 48            | 6,164              | 46           | 5,903         | 307        | 6,210            |
| Gaborone Private Hospital          | 89           | 4,738              | 5,459          | 98           | 15,043           | 46                  | 3                         | 62            | 925                | 0            | 901           | 7          | 925              |
| Nyangabgwe Ref. Hospital           | 561          | 21,808             | 21,488         | 1,147        | 243,051          | 119                 | 11                        | 40            | 4,962              | 49           | 4,949         | 62         | 5,011            |
| Bamalete Luthern Hospital          | 140          | 4,795              | 4,593          | 159          | 18,389           | 36                  | 4                         | 34            | 1,309              | 18           | 1,378         | 6          | 1,327            |
| Athlone Hospital                   | 174          | 4,950              | 4,748          | 217          | 26,152           | 41                  | 5                         | 29            | 1,026              | 1            | 1,004         | 1          | 1,027            |
| Sbrana Mental Ref. Hospital        | 300          | 1,508              | 1,482          | 8            | 77,872           | 71                  | 52                        | 5             | 0                  | 0            | 0             | 0          | 0                |
| BCL Hospital                       | 15           | 206                | 199            | 2            | 692              | 13                  | 3                         | 13            | 0                  | 0            | 0             | 0          | 0                |
| Selibe - Phikwe Gov. Hospital      | 64           | 5,248              | 4,972          | 156          | 17,134           | 73                  | 3                         | 80            | 1,373              | 22           | 1,386         | 36         | 1,395            |
| <b>Total</b>                       | <b>3,982</b> | <b>126,264</b>     | <b>123,419</b> | <b>4,596</b> | <b>1,116,842</b> | <b>77</b>           | <b>9</b>                  | <b>32</b>     | <b>310,921</b>     | <b>525</b>   | <b>30,468</b> | <b>642</b> | <b>31,617</b>    |
| <b>Primary Hospitals</b>           |              |                    |                |              |                  |                     |                           |               |                    |              |               |            |                  |
| Masunga Primary Hospital           | 50           | 1,969              | 1,883          | 80           | 7,609            | 42                  | 4                         | 39            | 522                | 11           | 534           | 2          | 533              |
| Palapye Primary Hospital           | 75           | 4,867              | 4,718          | 149          | 22,062           | 81                  | 5                         | 65            | 947                | 35           | 974           | 12         | 982              |
| Bobonong Primary Hospital          | 38           | 2,554              | 2,462          | 92           | 8,725            | 63                  | 3                         | 67            | 965                | 17           | 896           | 18         | 982              |
| Mmadinare Primary Hospital         | 48           | 1,298              | 1,238          | 57           | 4,533            | 26                  | 4                         | 27            | 397                | 15           | 409           | 3          | 412              |
| Thamaga Primary Hospital           | 39           | 2,055              | 1,893          | 67           | 4,960            | 35                  | 3                         | 50            | 739                | 13           | 754           | 5          | 752              |
| Good-Hope Primary Hospital         | 35           | 1,840              | 1,596          | 106          | 5,926            | 46                  | 3                         | 49            | 575                | 31           | 595           | 17         | 606              |
| Ghanzi Primary Hospital            | 96           | 1,838              | 1,734          | 53           | 7,839            | 22                  | 4                         | 19            | 812                | 106          | 918           | 18         | 918              |
| Sefhare Primary Hospital           | 50           | 1,761              | 1,667          | 93           | 6,207            | 34                  | 4                         | 35            | 616                | 35           | 637           | 13         | 651              |
| Kasane Primary Hospital            | 33           | 1,492              | 1,447          | 38           | 5,520            | 46                  | 4                         | 45            | 365                | 13           | 362           | 18         | 378              |
| Tsabong Primary Hospital           | 57           | 1,757              | 2,273          | 69           | 6,429            | 31                  | 3                         | 41            | 540                | 11           | 543           | 5          | 551              |
| Tutume Primary Hospital            | 37           | 2,244              | 2,159          | 71           | 8,807            | 65                  | 4                         | 60            | 1,069              | 70           | 1,124         | 12         | 1,139            |
| Rakops Primary Hospital            | 42           | 1,206              | 1,153          | 54           | 4,550            | 30                  | 4                         | 29            | 245                | 23           | 268           | 1          | 268              |
| Letlhakane Primary Hospital        | 25           | 2,462              | 2,304          | 127          | 10,110           | 111                 | 4                         | 97            | 912                | 140          | 1,037         | 20         | 1,052            |
| Gumare Primary Hospital            | 34           | 2,212              | 2,085          | 139          | 12,974           | 105                 | 6                         | 65            | 703                | 48           | 712           | 33         | 751              |
| Thebe-Phatshwa Primary Hospital    | 42           | 91                 | 93             | 0            | 548              | 4                   | 6                         | 2             | 6                  | 1            | 6             | 0          | 7                |
| Hukuntsi Primary Hospital          | 57           | 1,407              | 1,352          | 51           | 7,583            | 36                  | 5                         | 25            | 373                | 22           | 392           | 4          | 395              |
| Gweta Primary Hospital             | 50           | 1,269              | 1,214          | 53           | 5,364            | 29                  | 4                         | 25            | 380                | 27           | 396           | 9          | 407              |
| <b>Total</b>                       | <b>808</b>   | <b>32,322</b>      | <b>31,271</b>  | <b>1,299</b> | <b>129,746</b>   | <b>44</b>           | <b>4</b>                  | <b>40</b>     | <b>10,166</b>      | <b>618</b>   | <b>10,557</b> | <b>190</b> | <b>10,784</b>    |
| <b>All Clinics</b>                 | <b>760</b>   | <b>14,506</b>      | <b>14,437</b>  | <b>3</b>     | <b>11,772</b>    | <b>4</b>            | <b>1</b>                  | <b>19</b>     | <b>6,670</b>       | <b>700</b>   | <b>7,434</b>  | <b>32</b>  | <b>7,370</b>     |
| <b>Grand Total</b>                 | <b>5,550</b> | <b>173,092</b>     | <b>169,127</b> | <b>5,898</b> | <b>1,258,360</b> | <b>62</b>           | <b>7</b>                  | <b>32</b>     | <b>47,928</b>      | <b>1,843</b> | <b>48,459</b> | <b>864</b> | <b>49,771</b>    |



**Table 6 Non -Institutional live births by district ,age group of mother and sex of infant -2013**

| District           | <15      |          | 15 -19   |          | 20-24    |           | 25-29    |          | 30-34     |          | 35-39    |          | 40-44    |          | 45-49    |          | 50+      |          | N/S      |          | Total     |           | Grand     |
|--------------------|----------|----------|----------|----------|----------|-----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
|                    | M        | F        | M        | F        | M        | F         | M        | F        | M         | F        | M        | F        | M        | F        | M        | F        | M        | F        | M        | F        | M         | F         | Total     |
| Ngamiland          | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| North East         | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Palapye            | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Bobirwa            | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Kweneng East       | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Southern           | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Gantsi             | 0        | 0        | 3        | 4        | 1        | 4         | 3        | 2        | 9         | 3        | 4        | 0        | 0        | 1        | 0        | 1        | 0        | 0        | 1        | 0        | 21        | 15        | 36        |
| Mahalapye          | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Kgatleng           | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Chobe              | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Kgalagadi South    | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Tutume             | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Boteti             | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Okavango           | 0        | 0        | 2        | 0        | 5        | 8         | 5        | 0        | 1         | 3        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 1        | 14       | 12        | 26        |           |
| South East         | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Lobatse            | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| S/Phikwe           | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Kweneng West       | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Mabutsane          | 0        | 0        | 1        | 0        | 2        | 0         | 1        | 1        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 4        | 1         | 5         |           |
| Jwaneng .T.Council | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Goodhope           | 0        | 0        | 0        | 0        | 1        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 1        | 0         | 1         |           |
| Kgalagadi North    | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Moshupa Sub        | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Charles hill Sub   | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| Serowe             | 0        | 0        | 0        | 0        | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0         | 0         |
| <b>Total</b>       | <b>0</b> | <b>0</b> | <b>6</b> | <b>4</b> | <b>9</b> | <b>12</b> | <b>9</b> | <b>3</b> | <b>10</b> | <b>6</b> | <b>5</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>1</b> | <b>40</b> | <b>28</b> | <b>68</b> |