BRIEF INFO ON MATERNAL DEATH 2015

NATIONAL TECHNICAL COMMITTEE CONFIDENTIAL ENQUIRIES INTO MATERNAL DEATHS

Coordinated by:
FAMILY HEALTH DEVELOPMENT DIVISION
MINISTRY OF HEALTH MALAYSIA

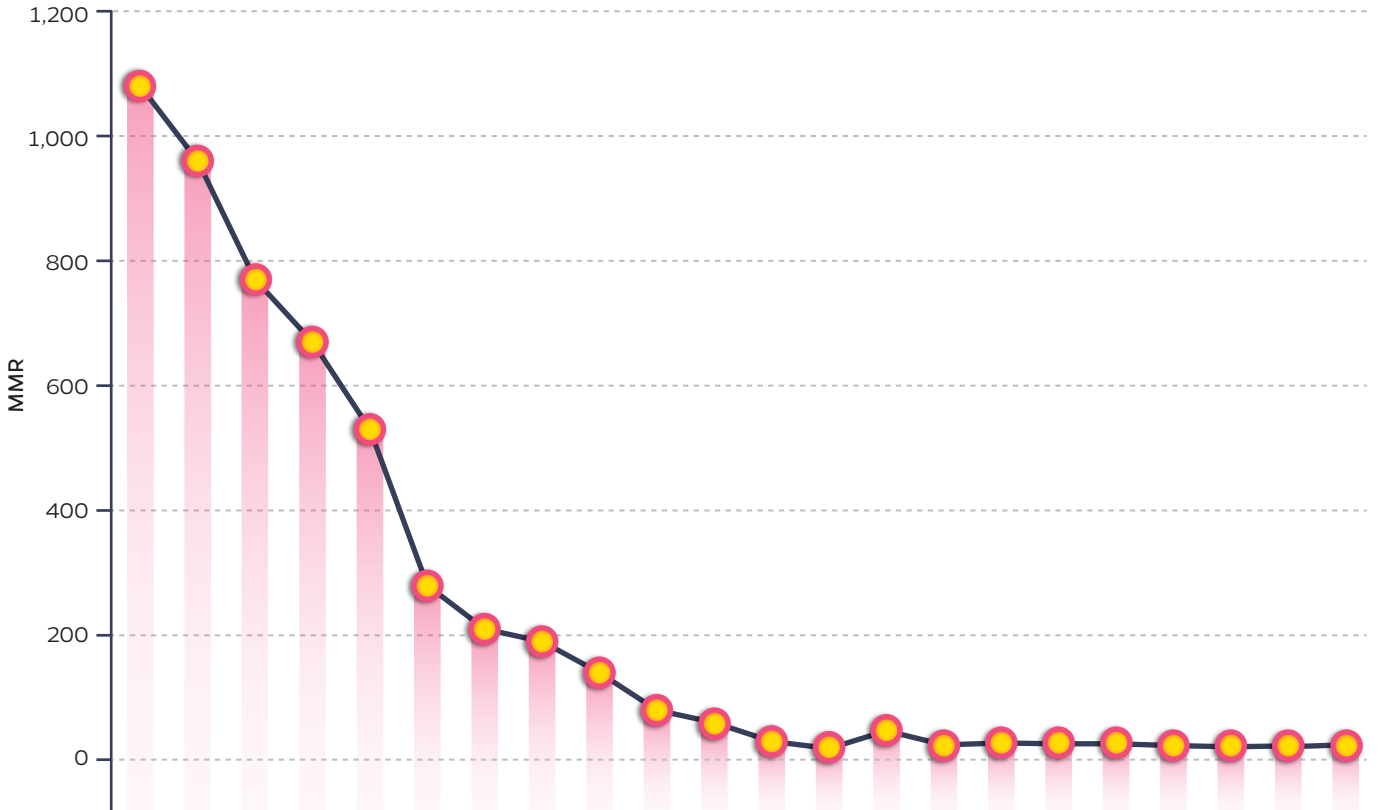
Introduction

A total of 274 pregnancy related deaths were reported and audited by the National Committee on the Confidential Enquiries Into Maternal Deaths (CEMD) for the year 2015. Overall, the number of pregnancy related deaths has declined from 295 in 2009 to 238 in 2013. However, in year 2014, the number of pregnancy related deaths has increased to 277 but slightly declined to 274 in 2015.

- **For statistical reporting in Malaysia, maternal deaths comprised all direct and indirect deaths among Malaysian citizens and non Malaysian citizen with legal documents.**

Disclaimer:
The data on number of maternal deaths and ratio may subject to change as current data is from Family Health Development Division, Ministry of Health while the final official data source is from Department of Statistic, Malaysia.

Figure 1.1: Maternal Mortality Ratio (MMR) Malaysia, 1933–2015



	1933	1935	1940	1946	1950	1957	1963	1965	1970	1975	1980	1985	1990	1995	2000	2005	2010	2011	2012	2013	2014	2015
MMR	1,080	960	770	670	530	280	210	190	140	80.0	60.0	30.0	18.6	46.9	24.4	27.4	26.1	26.2	23.2	21.4	22.3	23.8

Source of data: Department of Statistics, Malaysia.
Family Health Development Division, Ministry of Health.

Definitions

- **Pregnancy Related Death**
  The death of a woman while pregnant or within 42 days of termination of pregnancy, regardless of the classification cause of death (direct, indirect and fortuitous).

- **Maternal Death**
  The death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of duration and site of pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes.

Table 1.1: Number of Pregnancy Related Deaths, 2009 – 2015

YEAR	2009	2010	2011	2012	2013	2014	2015
Number of pregnancy related	295	273	266	242	238	277	274

Table 1.2: Pregnancy Related Deaths by Citizenship Status

Classification	2015	
	n	%
Malaysian Citizens	193	70.4
Non Citizens (legal)	35	12.8
Non Citizens (illegal)	46	16.8
Total	**274**	**100.0**

Table 1.3: Classification of Pregnancy Related Deaths in Malaysia 2015

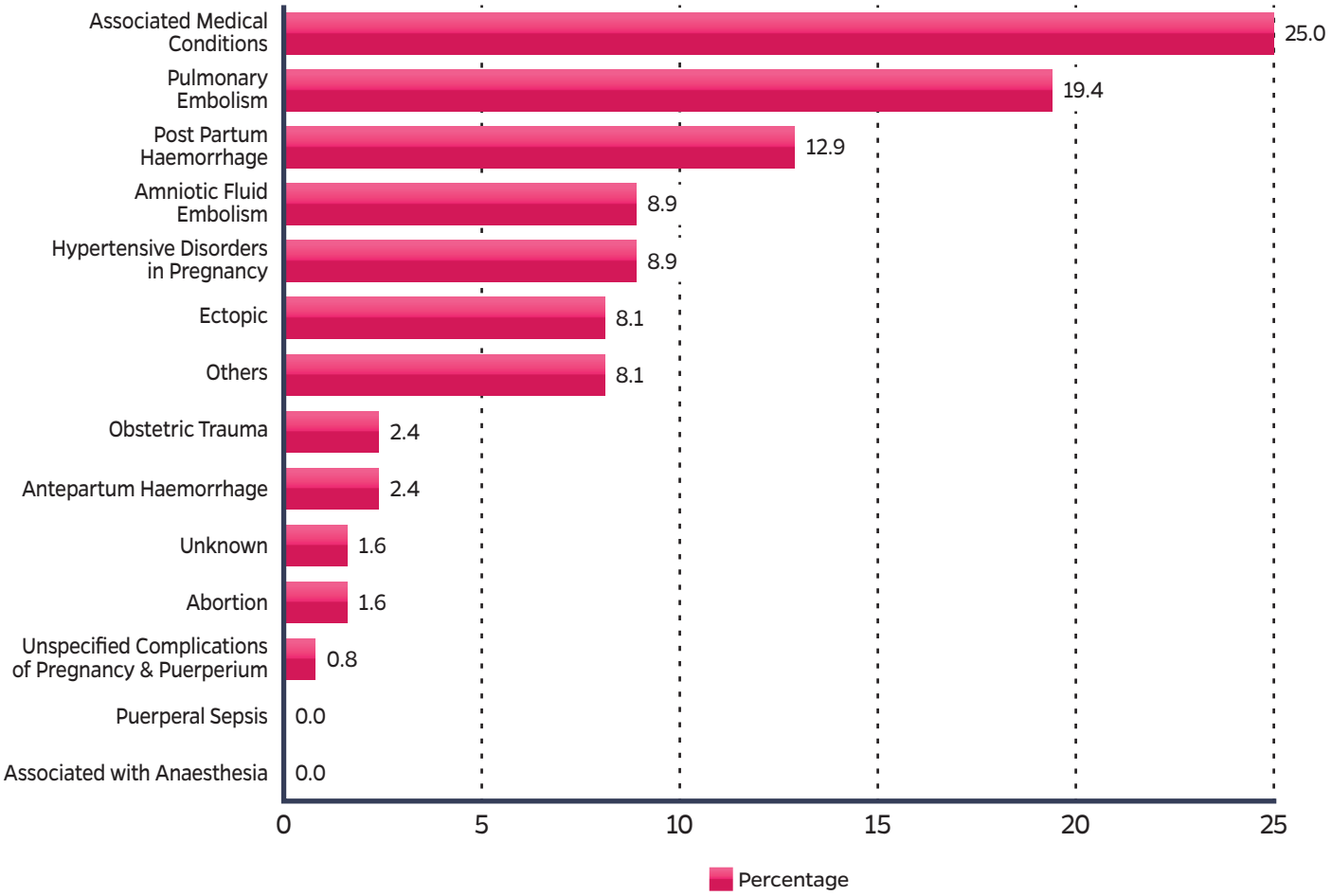
Classification	2015	
	n	%
Direct	118	43.1
Indirect	38	13.8
Fortuitous	118	43.1
Total	**274**	**100.0**

Table 1.4 : Classification of Maternal Deaths in Malaysia 2015 (Among Citizens and Non Citizens with Legal Document)

Classification	2015	
	n	%
Direct	90	72.6
Indirect	34	27.4
Total	**124**	**100.0**

Source of data: Family Health Development Division, Ministry of Health.

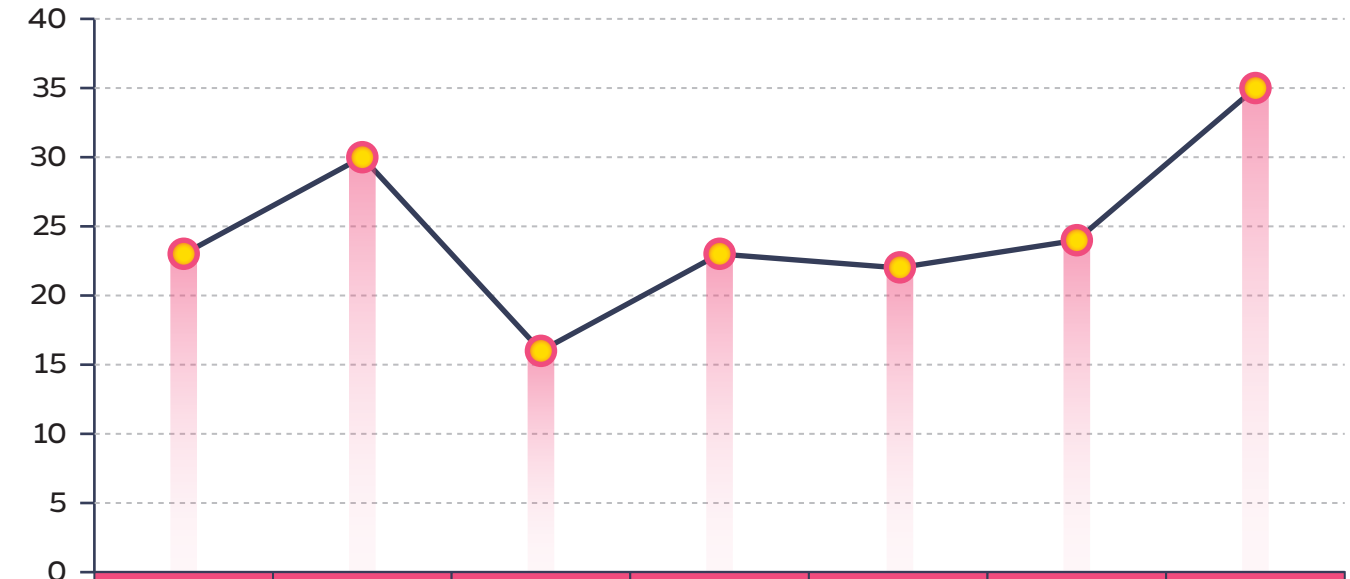
Figure 1.2: Causes of Maternal Deaths: Malaysia 2015



CAUSES	2015
	n
Associated Medical Conditions	31
Pulmonary Embolism	24
Postpartum Haemorrhage	16
Amniotic Fluid Embolism	11
Hypertensive Disorders in Pregnancy	11
Ectopic	10
Others	10
Obstetric Trauma	3
Antepartum Haemorrhage	3
Unknown	2
Abortion	2
Unspecified complications of pregnancy & puerperium	1
Puerperal Sepsis	0
Associated with anaesthesia	0
Total	**124**

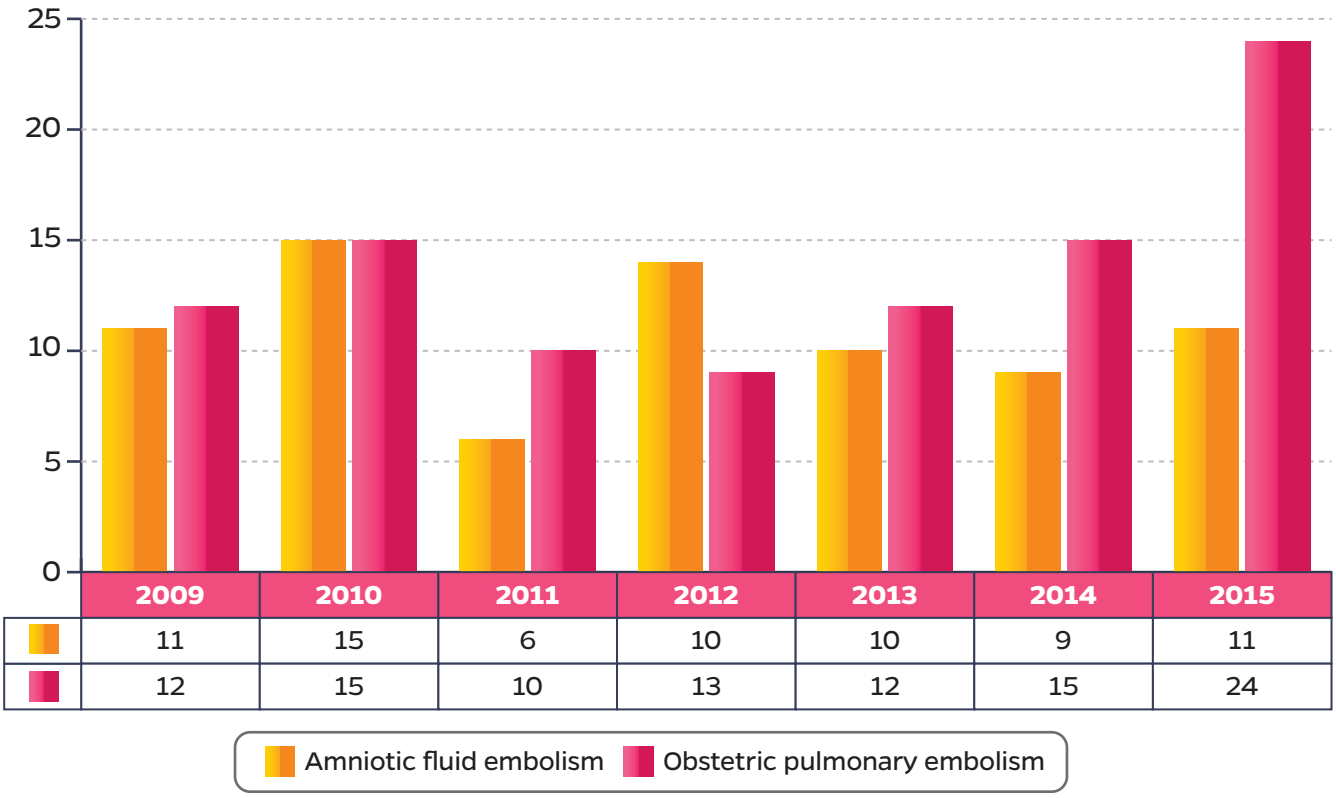
Source of data: Family Health Development Division, Ministry of Health.

Figure 1.3: Number of Maternal Deaths Due to Obstetric Embolism, 2009-2015



	2009	2010	2011	2012	2013	2014	2015
	23	30	16	23	22	24	35

Figure 1.4: Number of Maternal Deaths Due to Obstetric Embolism by Type of Emboli, 2009-2015



	2009	2010	2011	2012	2013	2014	2015
	11	15	6	10	10	9	11
	12	15	10	13	12	15	24

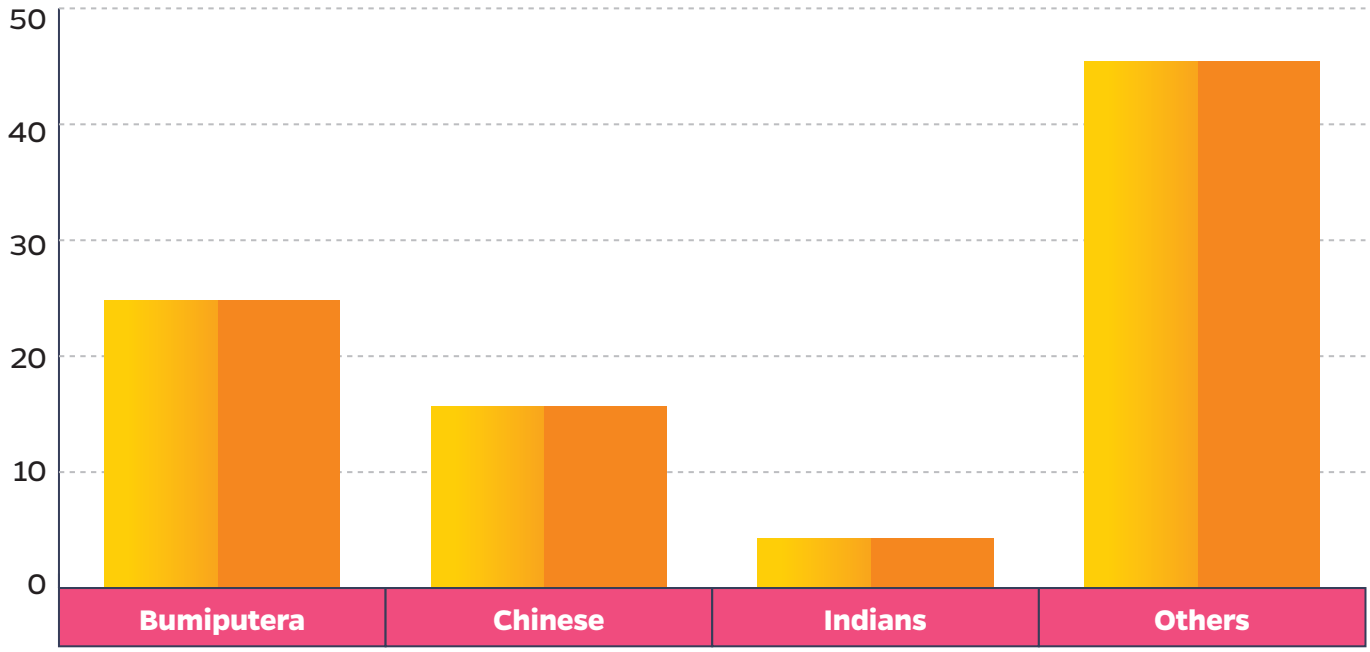
Source of data:
Report On Confidential Inquiries Into Maternal Deaths In Malaysia: 2009-2011
Family Health Development Division, Ministry of Health: 2012-2015

Table 1.5: Age Specific MMR: Malaysia 2015

Age group	2015		
	n	Live births 2015	MMR (per 100,000 live births)
15-19	2	16,158	12.4
20-24	14	74,226	18.7
25-29	22	172,470	12.8
30-34	40	159,280	25.1
35-39	32	77,723	41.2
40-44	13	19,221	67.6
45-49	1	1,024	71.3

Source of data:
Department of Statistic Malaysia.
Family Health Development Division, Ministry of Health.

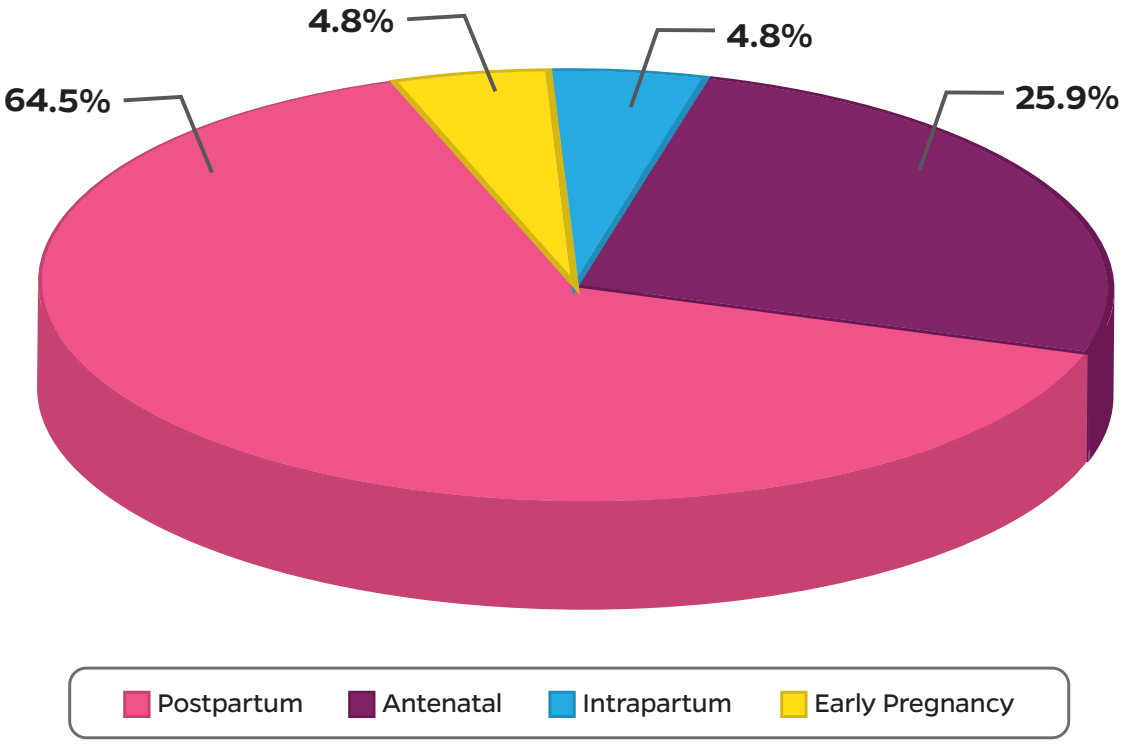
Figure 1.6: MMR by Ethnicity: Malaysia 2015



Ethnic	2015	
	n	MMR (per 100,000 live births)
Bumiputera	99	24.9
Chinese	11	14.9
Indians	1	4.1
Others	13	40.0

Source of data:
Family Health Development Division, Ministry of Health.
Department of Statistic, Malaysia

Figure 1.7: Percentage of Maternal Death by Stage of Pregnancy, 2015

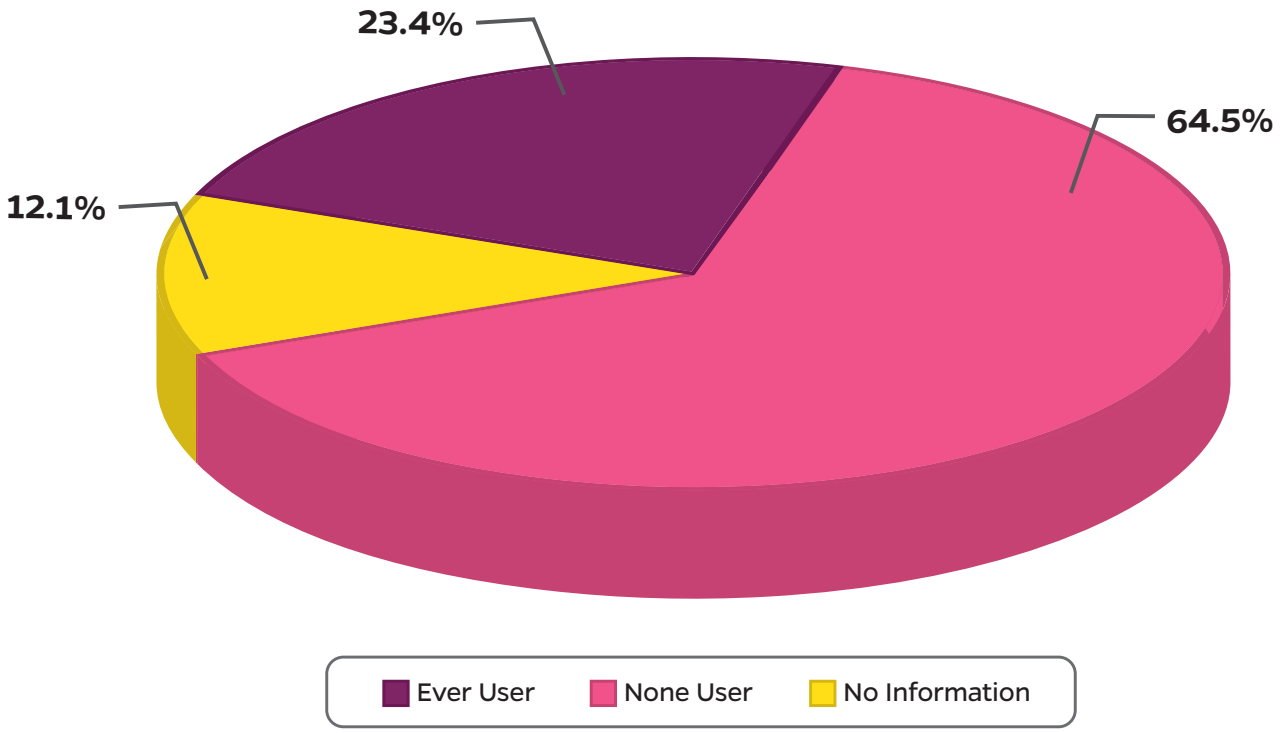


Stage of Pregnancy	2015	
	n	%
Early Pregnancy	6	4.8
Antenatal	32	25.9
Intrapartum	6	4.8
Postpartum	80	64.5
Total	**124**	**100.0**

Definition:
***Early pregnancy deaths** are maternal deaths that occur in a pregnancy up to 24 weeks of gestation.*

Source of data:
Family Health Development Division, Ministry of Health.

Figure 1.7: Percentage of Maternal Death by Stage of Pregnancy, 2015



Family Planning	2015	
	n	%
Ever User	29	23.4
Non User	80	64.5
No Information	15	12.1
Total	**124**	**100.0**

Source of data:
Family Health Development Division, Ministry of Health.