BRIEF INFO ON MATERNAL DEATHS IN MALAYSIA

2019

NATIONAL TECHNICAL COMMITTEE CONFIDENTIAL ENQUIRIES INTO MATERNAL DEATHS

Coordinated by:

FAMILY HEALTH DEVELOPMENT DIVISION
MINISTRY OF HEALTH MALAYSIA

INTRODUCTION

A total of 240 pregnancy related deaths were reported and audited by the National Committee on the Confidential Enquiries Into Maternal Deaths (CEMD) for the year 2019. Overall, the number of pregnancy related deaths has declined from 266 in 2011 to 242 in 2012 and 238 in 2013. However, in year 2014, the number of pregnancy related deaths reported has increased to 277, then slightly declined to 274 in 2015 and has increased tremendously to 302 in 2016. In 2017, the number of pregnancy related deaths has declined to 264 cases, 251 cases in 2018 and 240 in 2019.

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

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.

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, 2010 – 2019

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Number of pregnancy related deaths	273	266	242	238	277	274	302	264	251	240

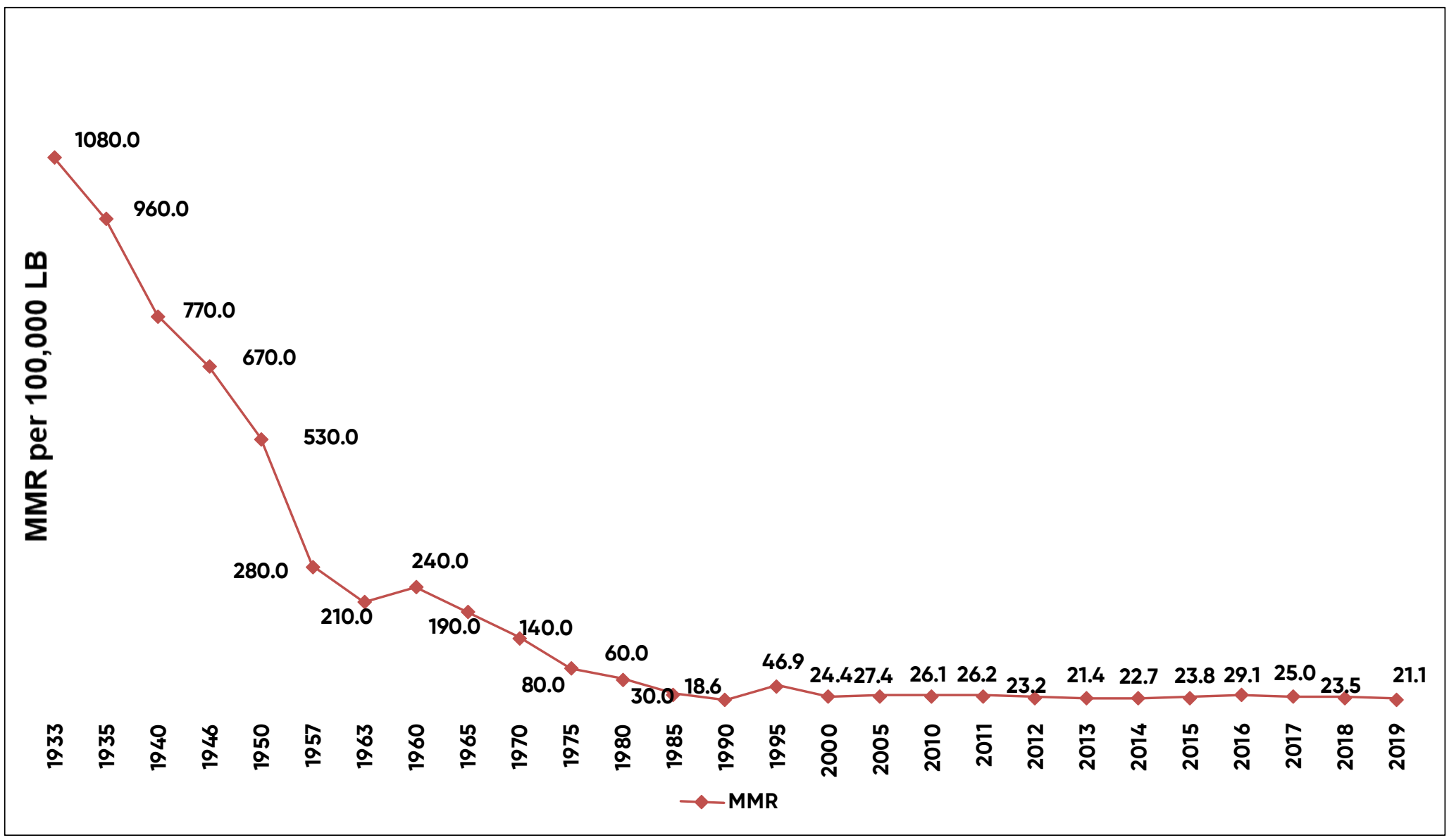
Source of data: Family Health Development Division, Ministry of Health

Table 1.2 : Number of Maternal Deaths, 2010 – 2019

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Number of maternal deaths	146	130	122	108	118	124	148	127	118	103

Source of data: Department of Statistic Malaysia

Figure 1.1 Maternal Mortality Ratio (MMR) : Malaysia 1933 – 2019



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

Table 1.3 : Pregnancy Related Deaths by Citizenship Status, 2019

Citizenship Status	2019	
	n	%
Malaysian citizens	157	65.4
Non citizens (with legal document) ≥ 6 months	24	10.0
Non citizens (with legal document) < 6 months	1	0.4
Non citizens (with legal document)	58	24.2
Total	**240**	**100.0**

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

Table 1.4 : Maternal Death by Citizenship, 2019

Citizenship Status	2019	
	n	%
Malaysian citizens	86	83.5
Non citizens (with legal document) ≥ 6 months	17	16.5
Total	**103**	**100.0**

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

Table 1.5 : Classification of Pregnancy Related Deaths, 2019

Classification	2019	
	n	%
Direct	124	51.7
Indirect	27	11.3
Fortuitous	89	37.1
Total	**240**	**100.0**

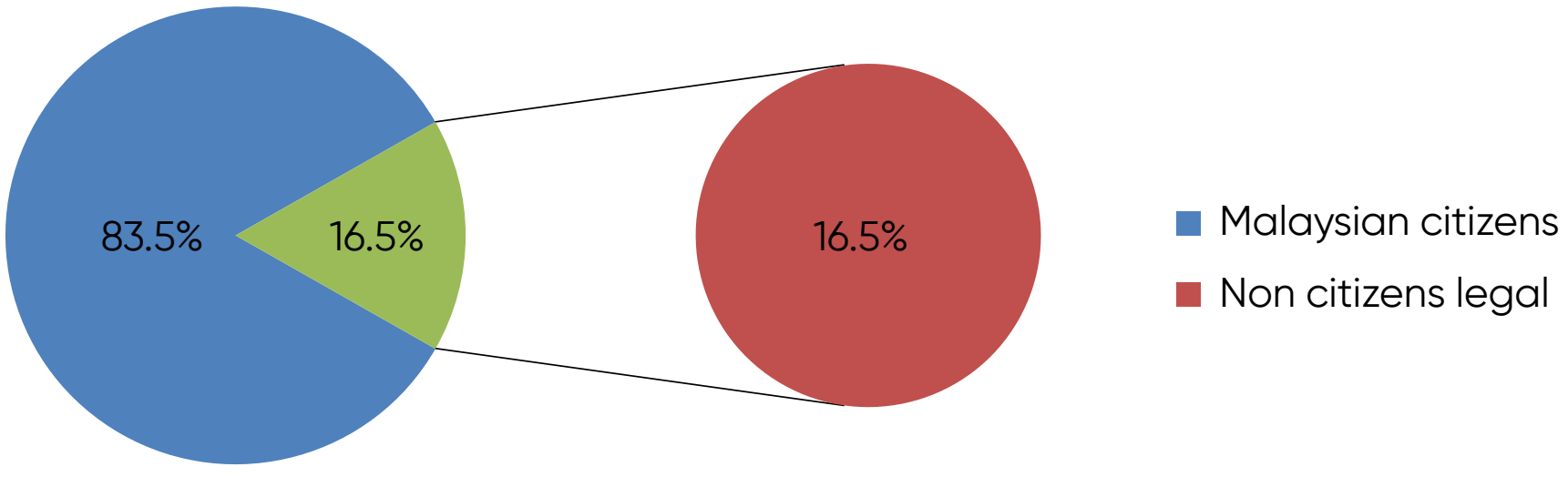
Source of data: Family Health Development Division, Ministry of Health

Table 1.6 : Classification of Maternal Deaths, 2019 (among citizens and non citizens with legal document ≥ 6 months)

Classification	2019	
	n	%
Direct	79	76.7
Indirect	24	23.3
Total	**103**	**100.0**

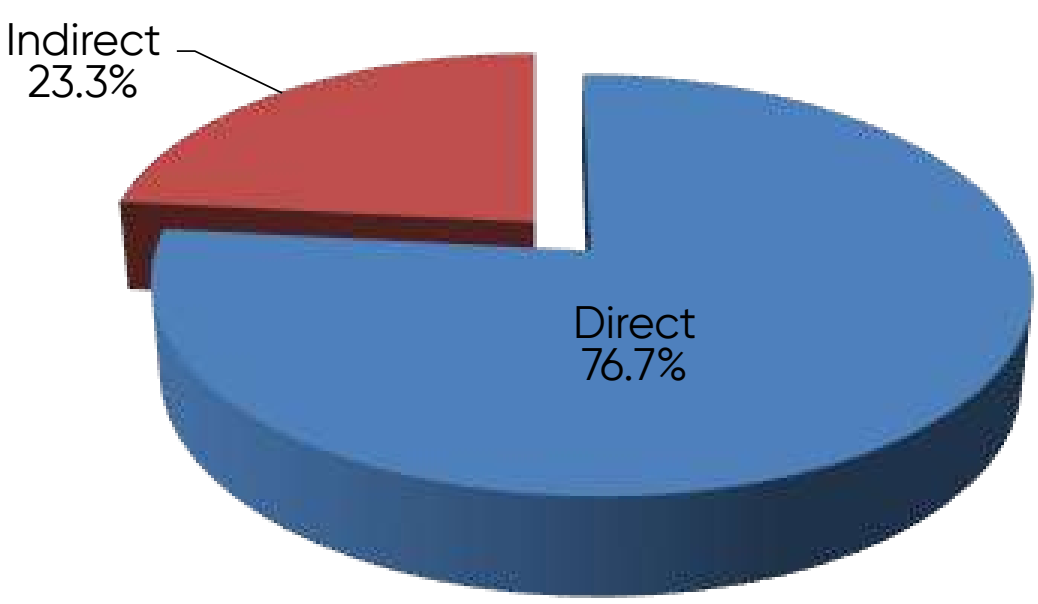
Source of data: Family Health Development Division, Ministry of Health

Figure 1.2 : Citizenship of Maternal Death, 2019



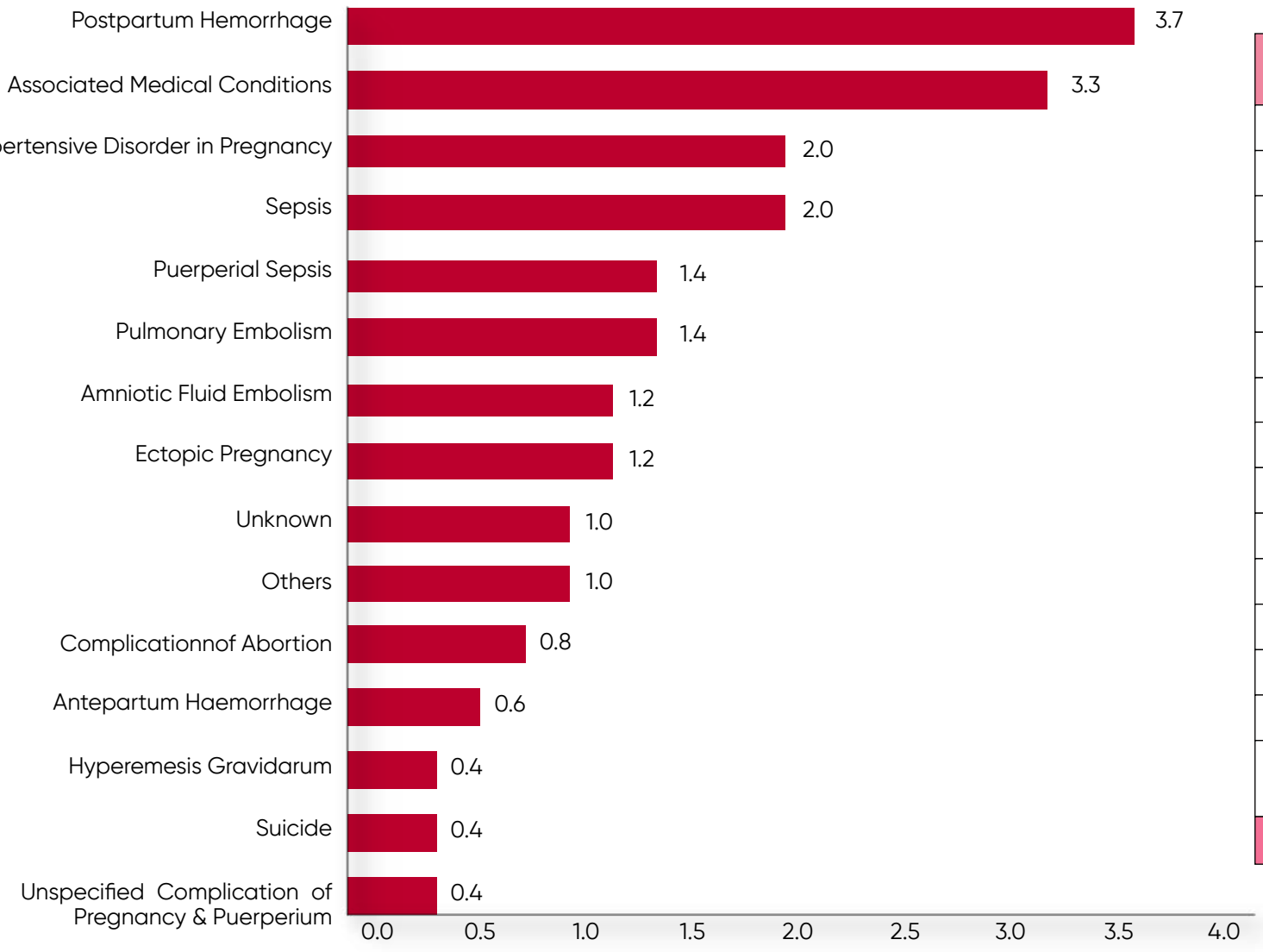
Source of data: Family Health Development Division, Ministry of Health

Figure 1.3 : Classification of Maternal Death, 2019



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

Figure 1.4: Cause Specific MMR: Malaysia 2019

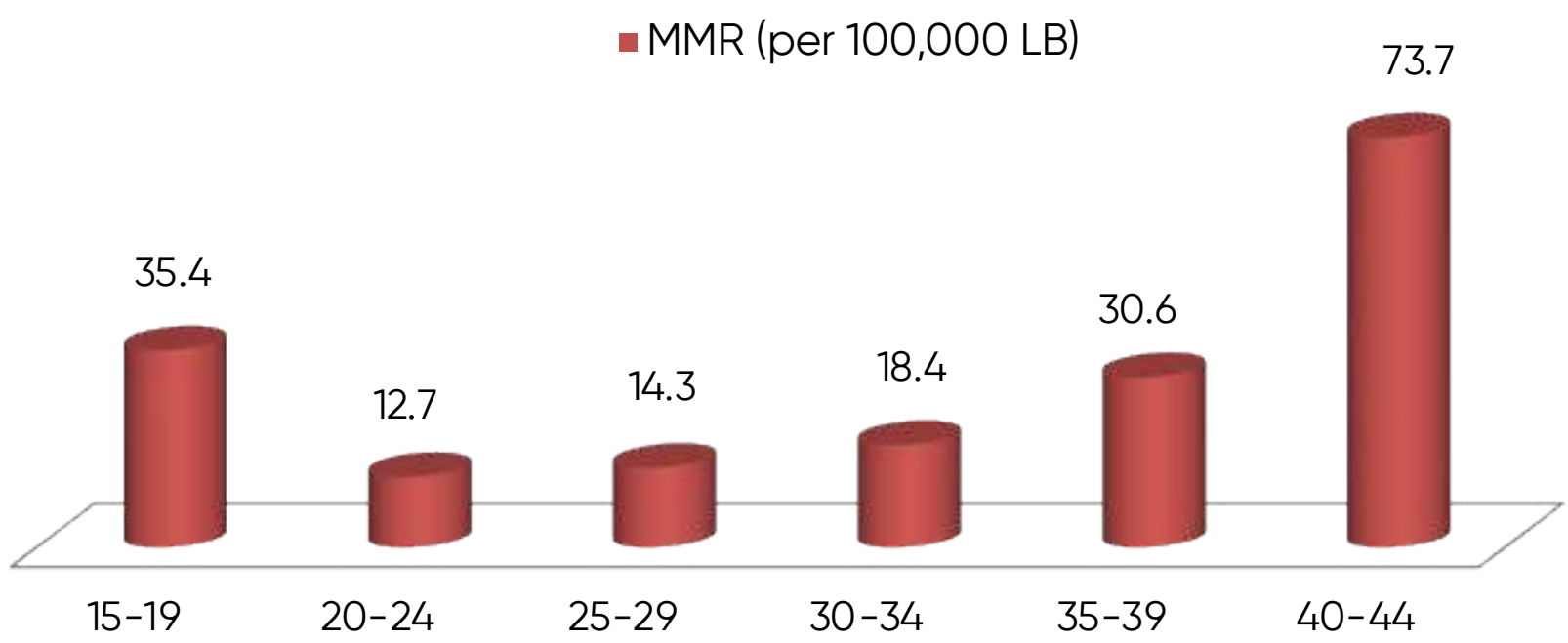


Cause of Death	Cause Specific MMR
Postpartum Hemorrhage	3.7
Associated Medical Conditions	3.3
Hypertensive Disorder in Pregnancy	2.0
Sepsis	2.0
Puerperal Sepsis	1.4
Pulmonary Embolism	1.4
Amniotic Fluid Embolism	1.2
Ectopic Pregnancy	1.2
Complication of Abortion	1.0
Others*	1.0
Unknown	0.8
Antepartum Haemorrhage	0.6
Hyperemesis Gravidarum	0.4
Suicide	0.4
Unspecified Complication of Pregnancy & Puerperium	0.4
Total	**21.1**

** Others : Associated with anesthesia, malignancy, peripartum cardiomyopathy, ruptured molar pregnancy & Intracranial bleeding*

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

Figure 1.5 : Age Specific MMR, 2019



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

Table 1.7 : Maternal Death by Age, 2019

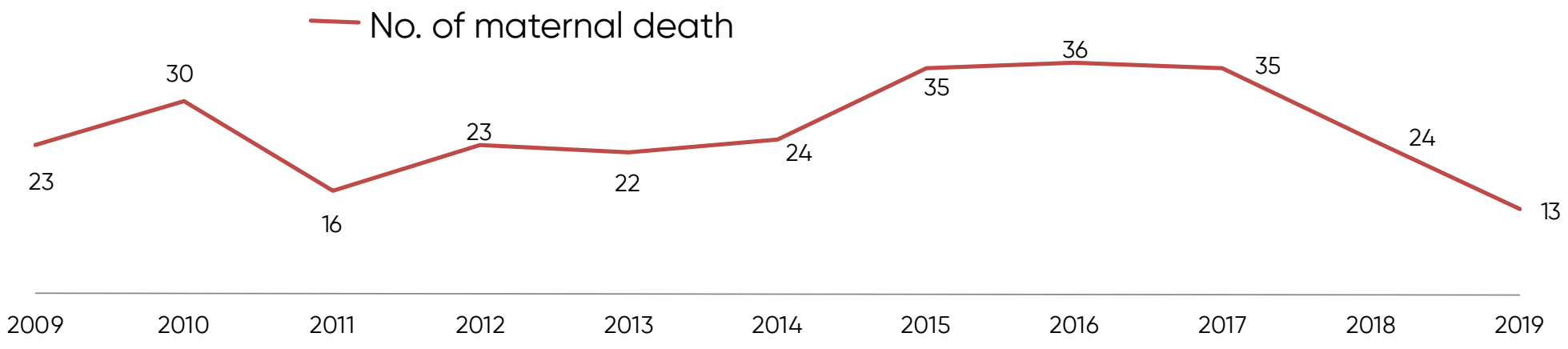
Age Group	*No. of death	**Live births	*MMR (per 100,000 LB)
15-19	4	11,291	35.4
20-24	8	63,077	12.7
25-29	22	153,598	14.3
30-34	28	151,878	18.4
35-39	26	85,052	30.6
40-44	15	20,359	73.7

Source of data:

**Family Health Development Division, Ministry of Health*

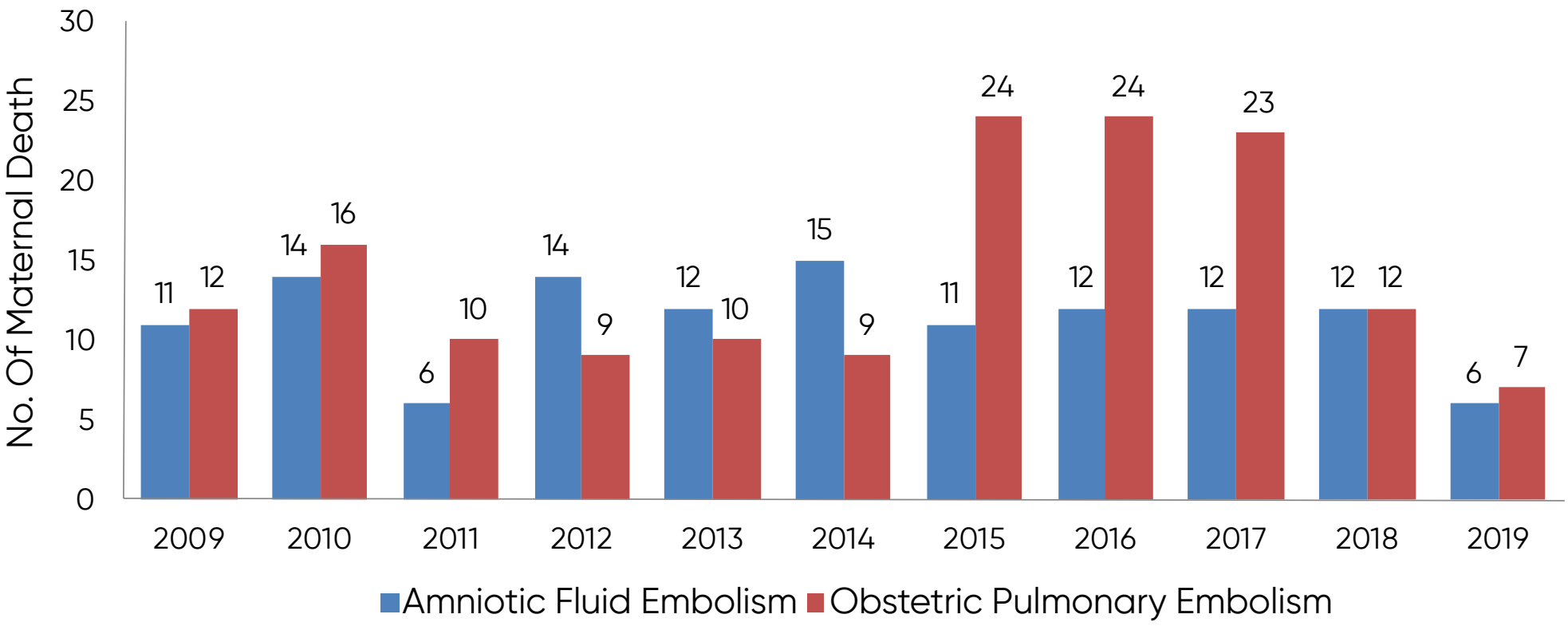
***Department of Statistic Malaysia*

Figure 1.6 : Maternal Deaths Due to Obstetric Embolism, 2009-2019



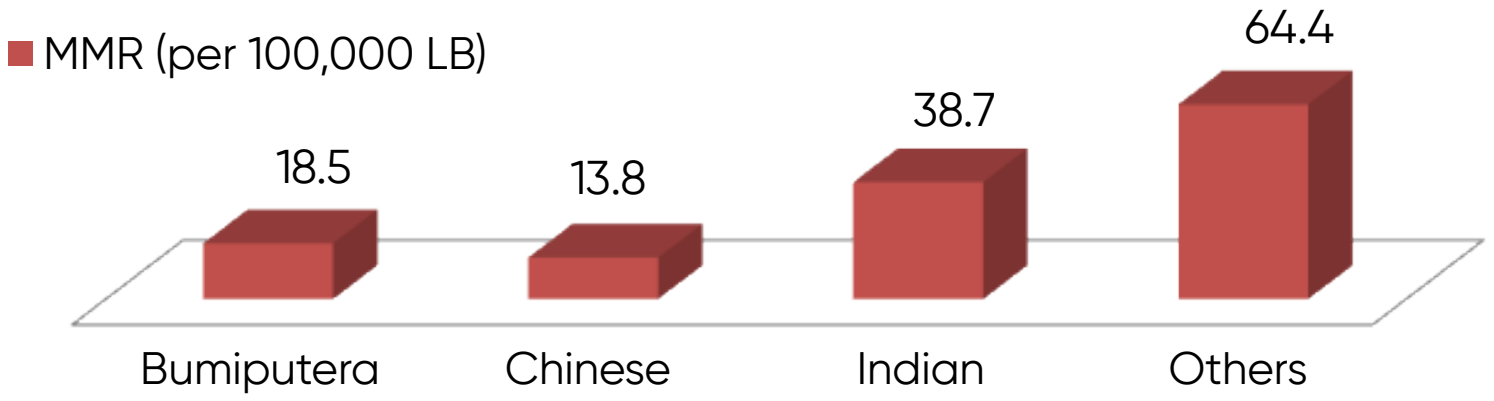
Source of data: Family Health Development Division, Ministry of Health

Figure 1.7 : Maternal Deaths by Type of Emboli, 2009-2019



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

Figure 1.8 : Ethnic Specific MMR, 2019



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

Table 1.8 : Maternal Death by Ethnicity, 2019

Ethnicity	*No. of death	**Live births	*MMR (per 100,000 LB)
Bumiputera	71	384,454	18.5
Chinese	8	57,985	13.8
Indian	8	20,677	38.7
Others	16	24,841	64.4

Source of data:

**Family Health Development Division, Ministry of Health*

***Department of Statistic Malaysia*

Figure 1.9 : Preventability of Maternal Death, 2019

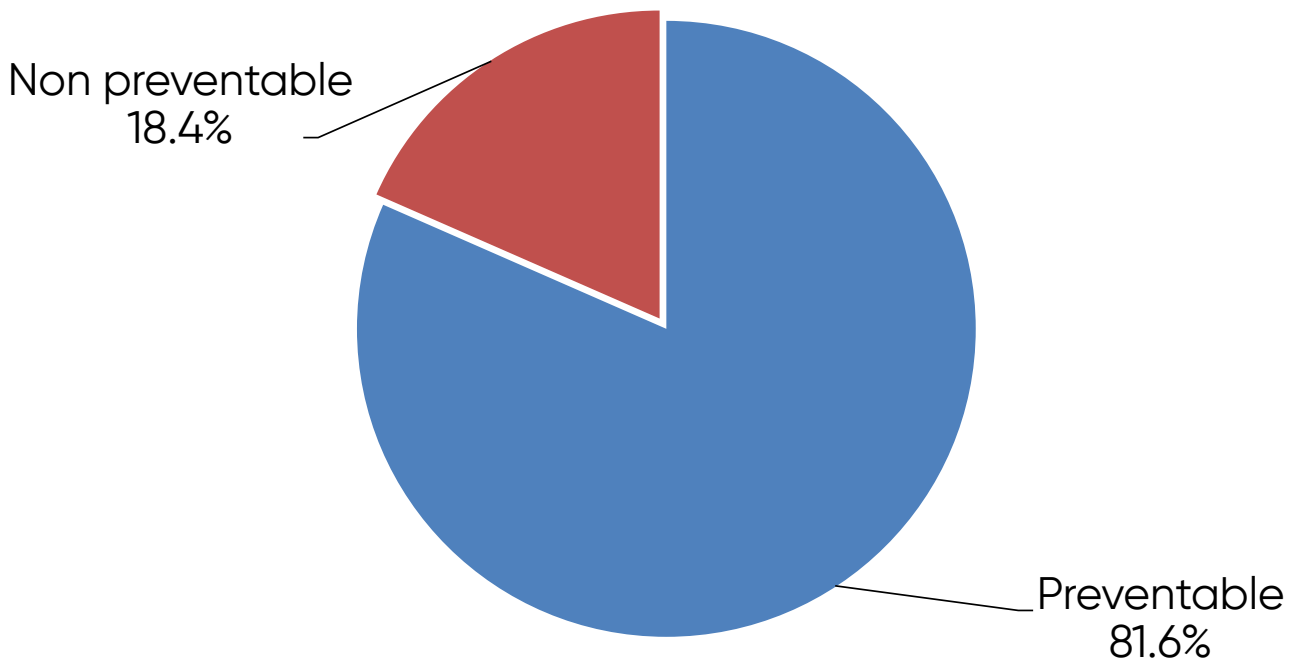


Table 1.9 : Maternal Death by Preventability, 2019

Preventability	n	%
Preventable	84	81.6
Non preventable	19	18.4
Total	**103**	**100.0**

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

Figure 1.10 : Maternal Death by Place of Death, 2019

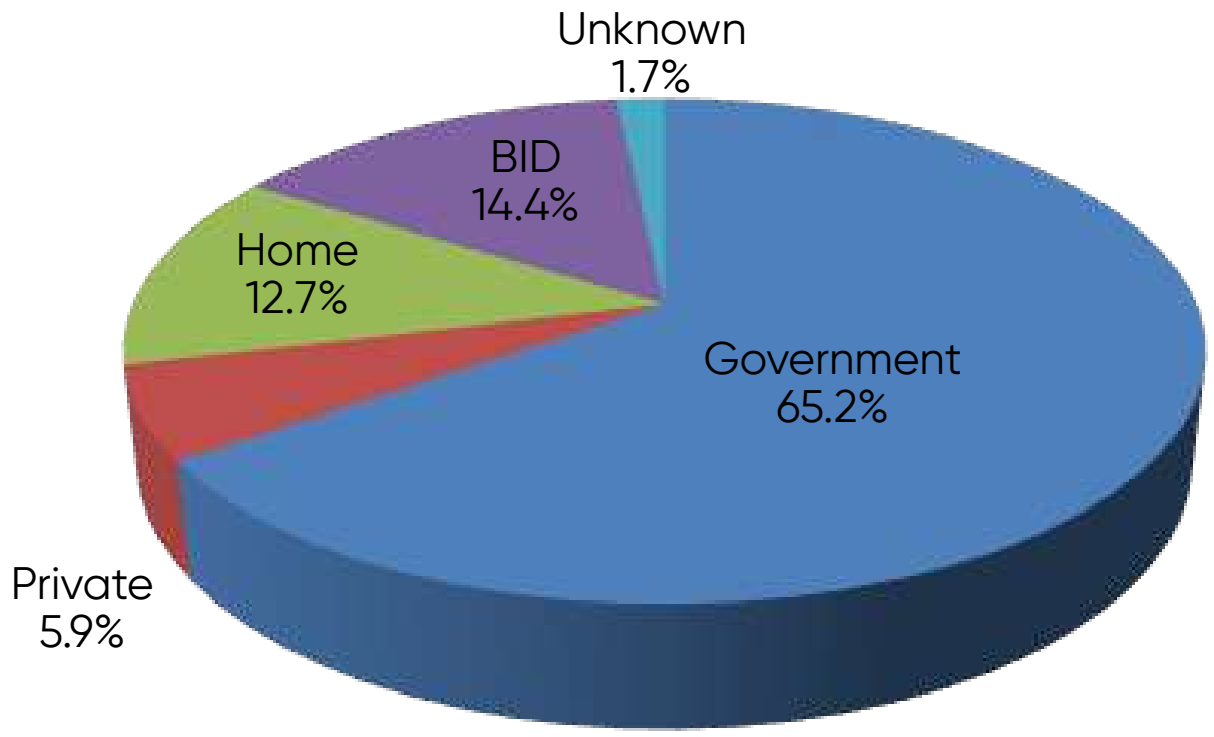


Table 1.10 : Maternal Death by Place of Death, 2019

Place of Death	n	%
Government	77	65.2
Private	7	5.9
Home	15	12.7
BID	17	14.4
Unknown	2	1.7
Total	**103**	**100.0**

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

Figure 1.11 : Maternal Death by Stage of Pregnancy, 2019

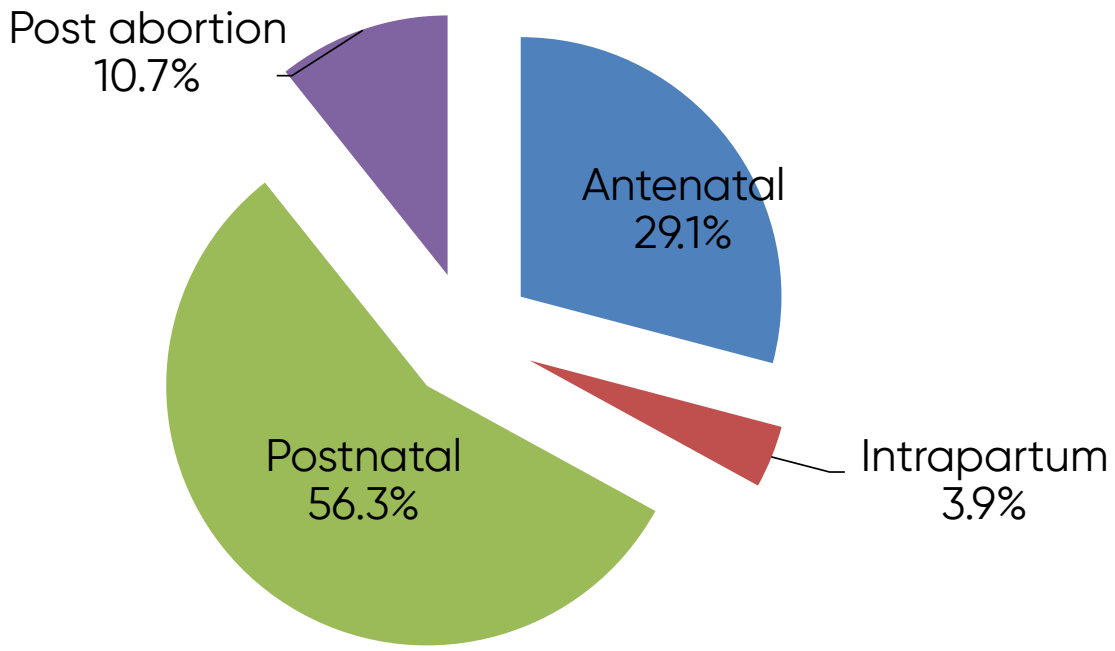


Table 1.11 : Maternal Death by Stage of Pregnancy, 2019

Stage	n	%
Antenatal	30	29.1
Intrapartum	4	3.9
Postnatal	58	56.3
Post abortion	11	10.7
Total	**103**	**100.0**

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

Figure 1.12 : Marital Status of Maternal Death, 2019

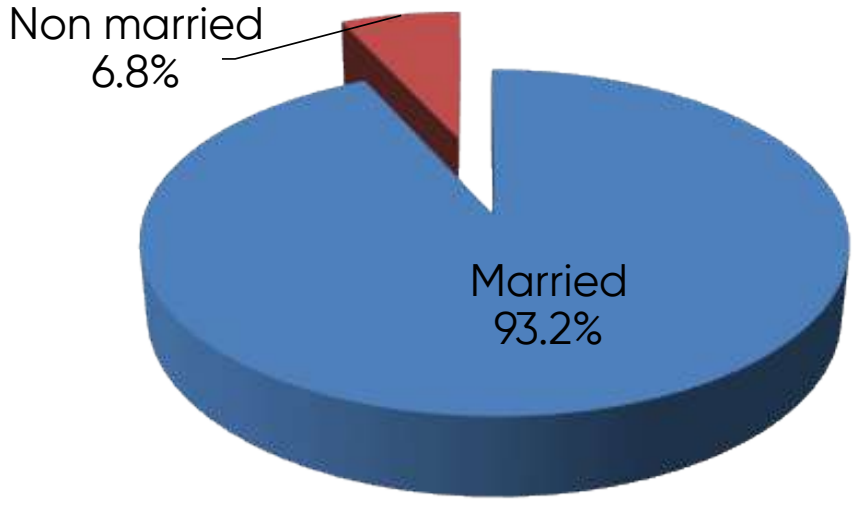


Table 1.12 : Maternal Death by Marital Status, 2019

Marital Status	n	%
Married	96	93.2
Non married	7	6.8
Total	**103**	**100.0**

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

Figure 1.13 : Maternal Deaths by Family Planning Practice, 2019

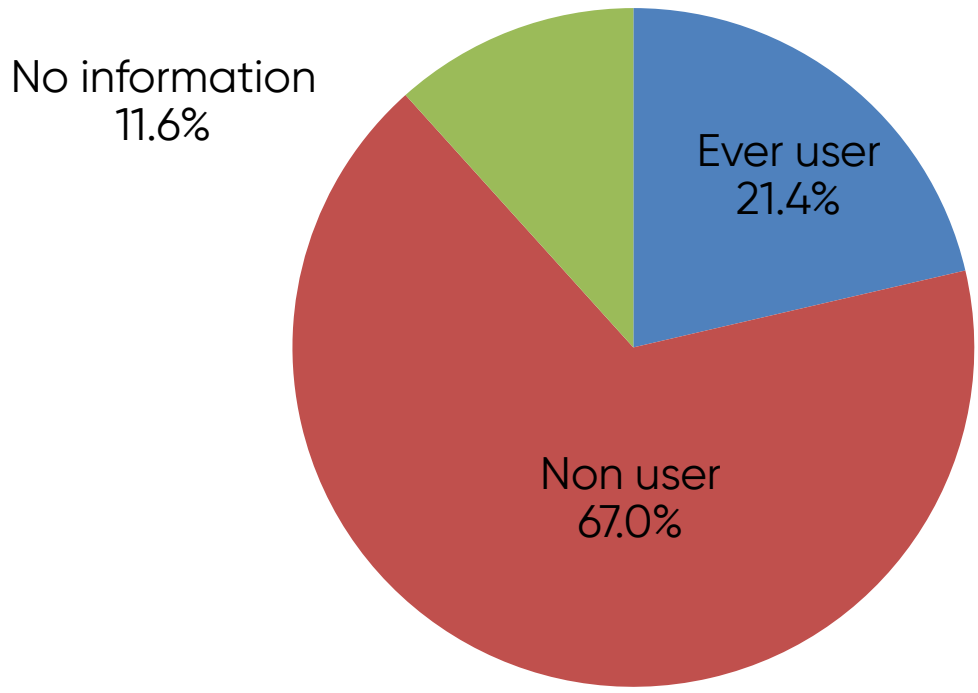


Table 1.13 : Family Planning Practice of Maternal Deaths, 2019

Family Planning Practice	n	%
Ever use	22	21.4
Non user	69	67.0
No information	12	11.6
Total	**103**	**100.0**

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