BRIEF INFO ON

MATERNAL DEATH 2014

NATIONAL TECHNICAL COMMITTEE CONFIDENTIAL ENQUIRIES INTO MATERNAL DEATHS

Coordinated by
FAMILY HEALTH DEVELOPMENT DIVISION
MINISTRY OF HEALTH MALAYSIA

Introduction

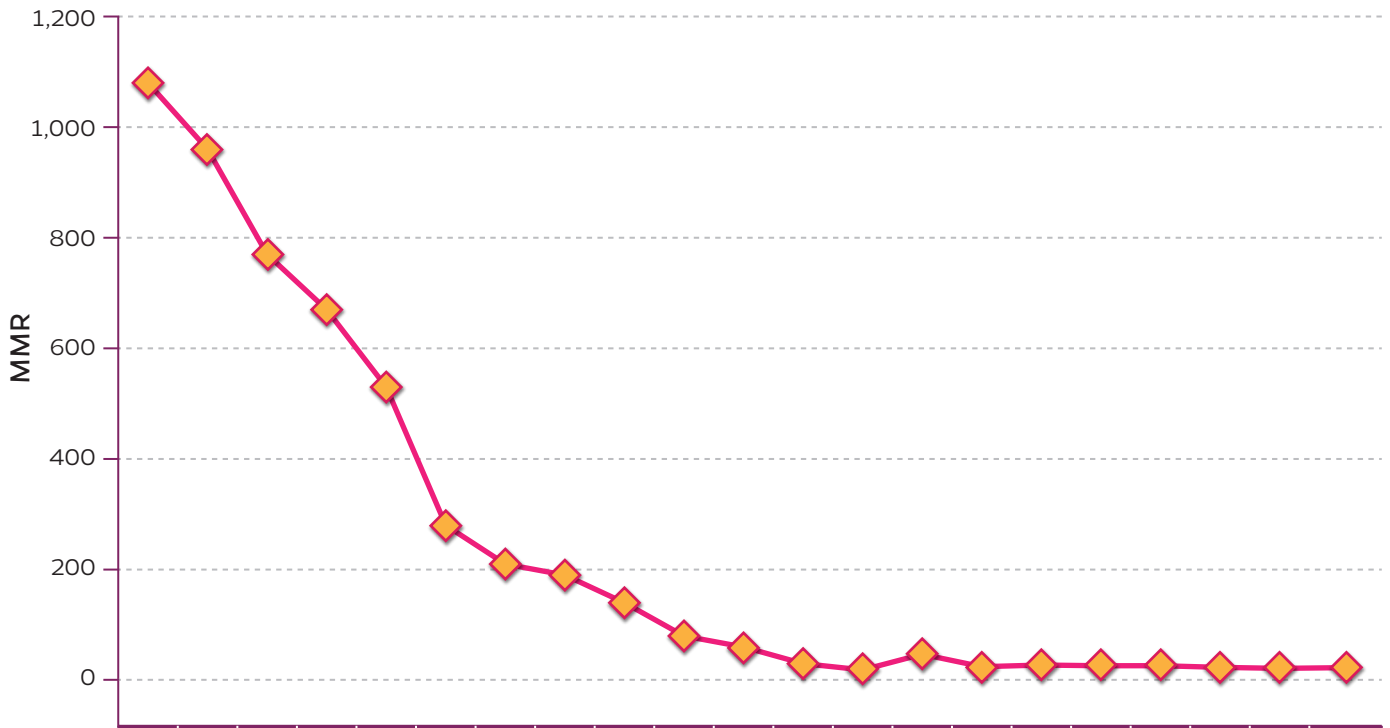
A total of 277 pregnancy related deaths were reported and audited by the committee on the Confidential Enquiries into Maternal Deaths (CEMD) for the year 2014. Overall, the number of deaths has declined from 266 in 2011 to 242 in 2012 and 238 in 2013, but increased to 277 in 2014.

- **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.

Maternal Mortality Ratio (MMR) MALAYSIA, 1933–2014



	1933	1935	1940	1946	1950	1957	1963	1965	1970	1975	1980	1985	1990	1995	2000	2005	2010	2011	2012	2013	2014
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

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 – 2014

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

Table 1.2 : Pregnancy Related Deaths by Citizenship Status

Classification	2014	
	n	%
Malaysian Citizens	216	78.0
Non Citizens (legal)	16	5.8
Non Citizens (illegal)	45	16.2
Total	**277**	**100.0**

Table 1.3 : Classification of Pregnancy Related Deaths in Malaysia 2014

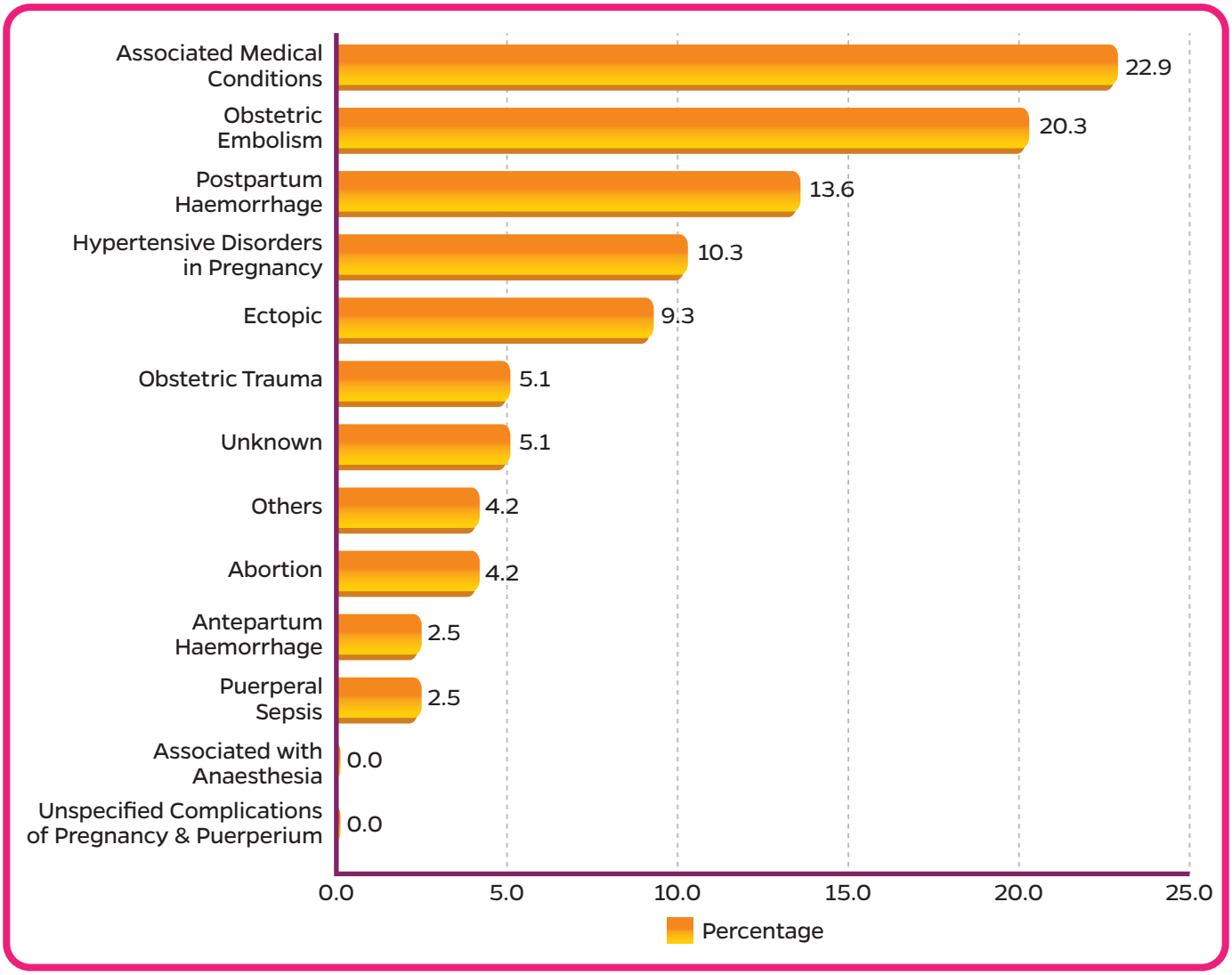
Classification	2014	
	n	%
Direct	120	43.3
Indirect	31	11.2
Fortuitous	126	45.5
Total	**277**	**100.0**

Table 1.4 : Classification of Maternal Deaths in Malaysia 2014 (Among Citizens and Non Citizens with Legal Document)

Classification	2014	
	n	%
Direct	92	78.0
Indirect	26	22.0
Total	**118**	**100.0**

Source of data: Family Health Development Division.

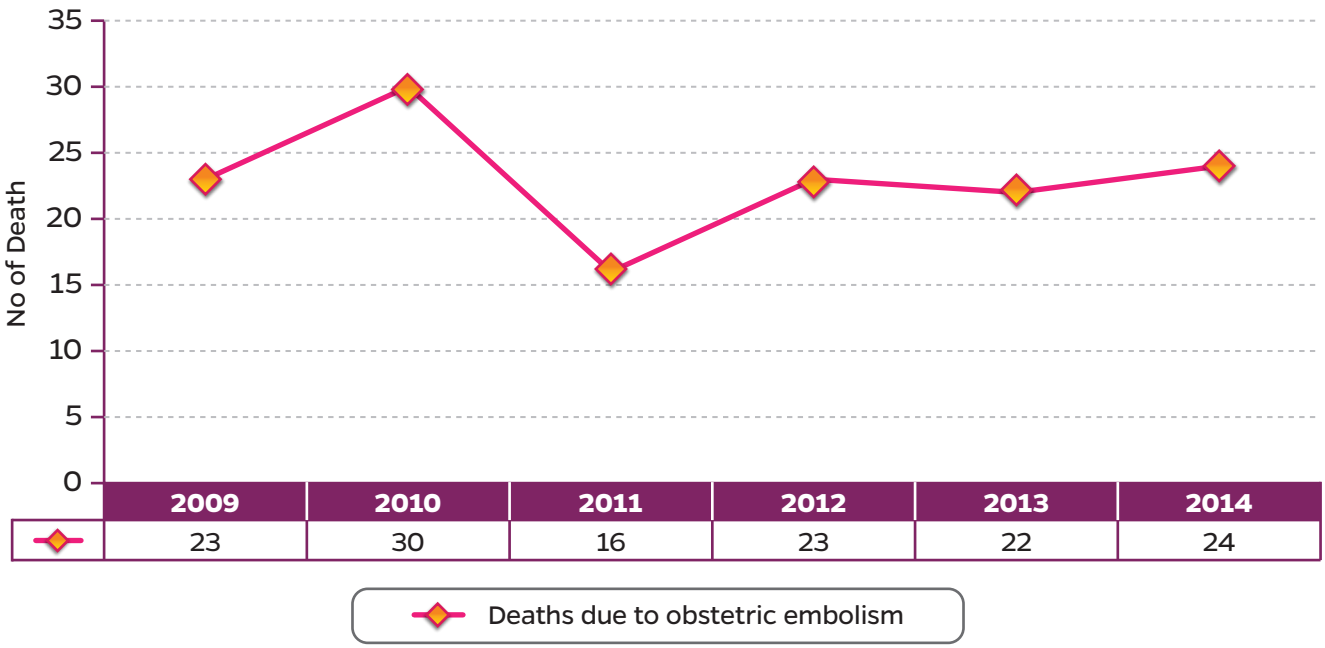
Figure 1.1 : Causes of Maternal Deaths : Malaysia 2014



CAUSES	2014
	n
Associated Medical condition	27
Obstetric Embolism	24
Postpartum Haemorrhage	16
Hypertensive Disorders in Pregnancy	12
Ectopic	11
Obstetric Trauma	6
Unknown	6
Others	5
Abortion	5
Antepartum Haemorrhage	3
Puerperal Sepsis	3
Associated with Anaesthesia	0
Unspecified Complications of Pregnancy & Puerperium	0
Total	**118**

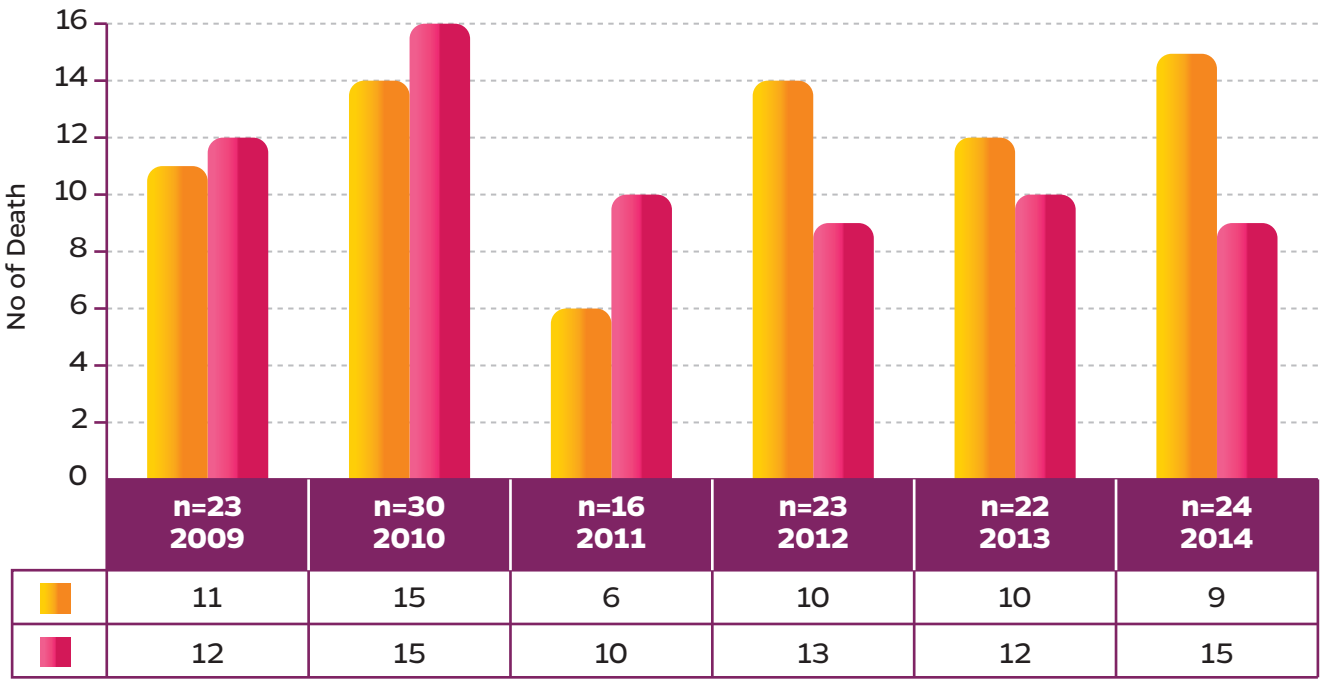
Source of data: Family Health Development Division.

Figure 1.2 : Number of Maternal Deaths Due To Obstetric Embolism, 2009-2014



	2009	2010	2011	2012	2013	2014
Deaths due to obstetric embolism	23	30	16	23	22	24

Figure 1.3 : Causes of Obstetric Embolism, 2009-2014



	n=23 2009	n=30 2010	n=16 2011	n=23 2012	n=22 2013	n=24 2014
Amniotic fluid embolism	11	15	6	10	10	9
Pulmonary embolism	12	15	10	13	12	15

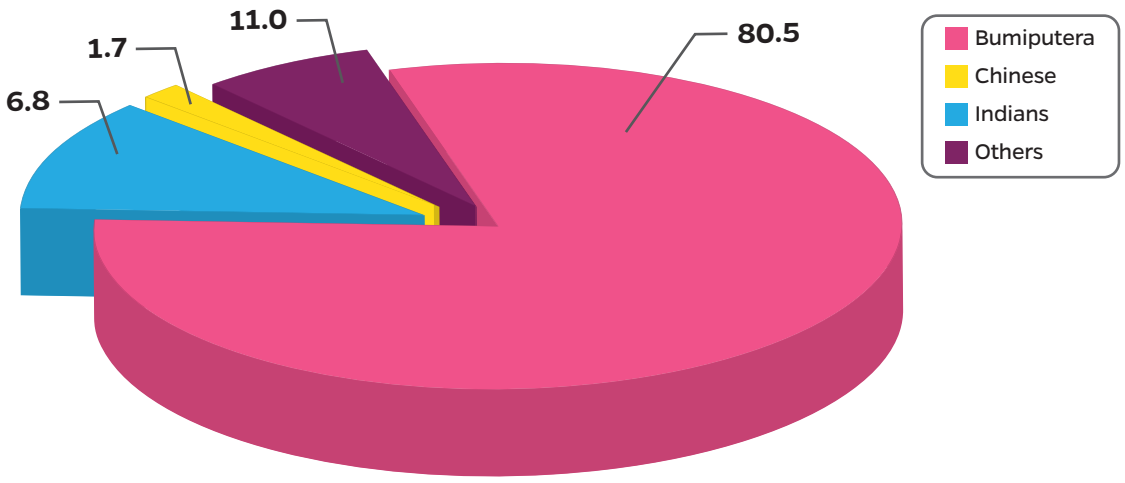
Source of data:
Report on Confidential Inquiries Into Maternal Deaths in Malaysia: 2009-2011.
Family Health Development Division: 2012–2014.

Table 1.5 : Age Specific MMR : 2014

Age group	n	Live births 2014	MMR
15-19	2	16,966	11.8
20-24	8	73,456	10.9
25-29	25	172,755	14.5
30-34	41	153,583	26.7
35-39	29	74,102	39.1
40-44	7	18,814	37.2
45-49	6	1,546	388.1

Source of data: Department of Statistic, Malaysia.

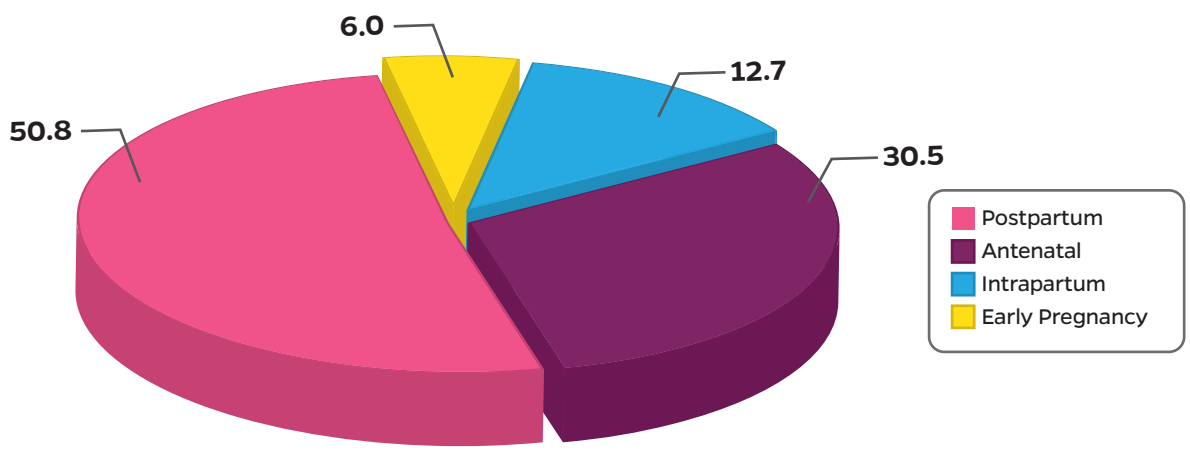
Figure 1.4 : Percentage of Maternal Death by Ethnicity, Malaysia 2014



Ethnic	2014	
	n	%
Bumiputera	95	80.5
Chinese	13	11.0
Indians	2	1.7
Others	8	6.8
Total	**118**	**100.0**

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

Figure 1.5 : Percentage of Maternal Death by Stage of Pregnancy, 2014



Stage of Pregnancy	2014	
	n	%
Postpartum	60	50.8
Antenatal	36	30.5
Intrapartum	15	12.7
Early Pregnancy	7	6.0
Total	**118**	**100.0**

Definition:

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

Table 1.6 : Maternal Deaths by Family Planning Practice, 2014

Family Planning	2014	
	n	%
Ever User	34	28.8
None User	70	59.3
No Information	14	11.9
Total	**118**	**100.0**

Source of data : Family Health Development Division.