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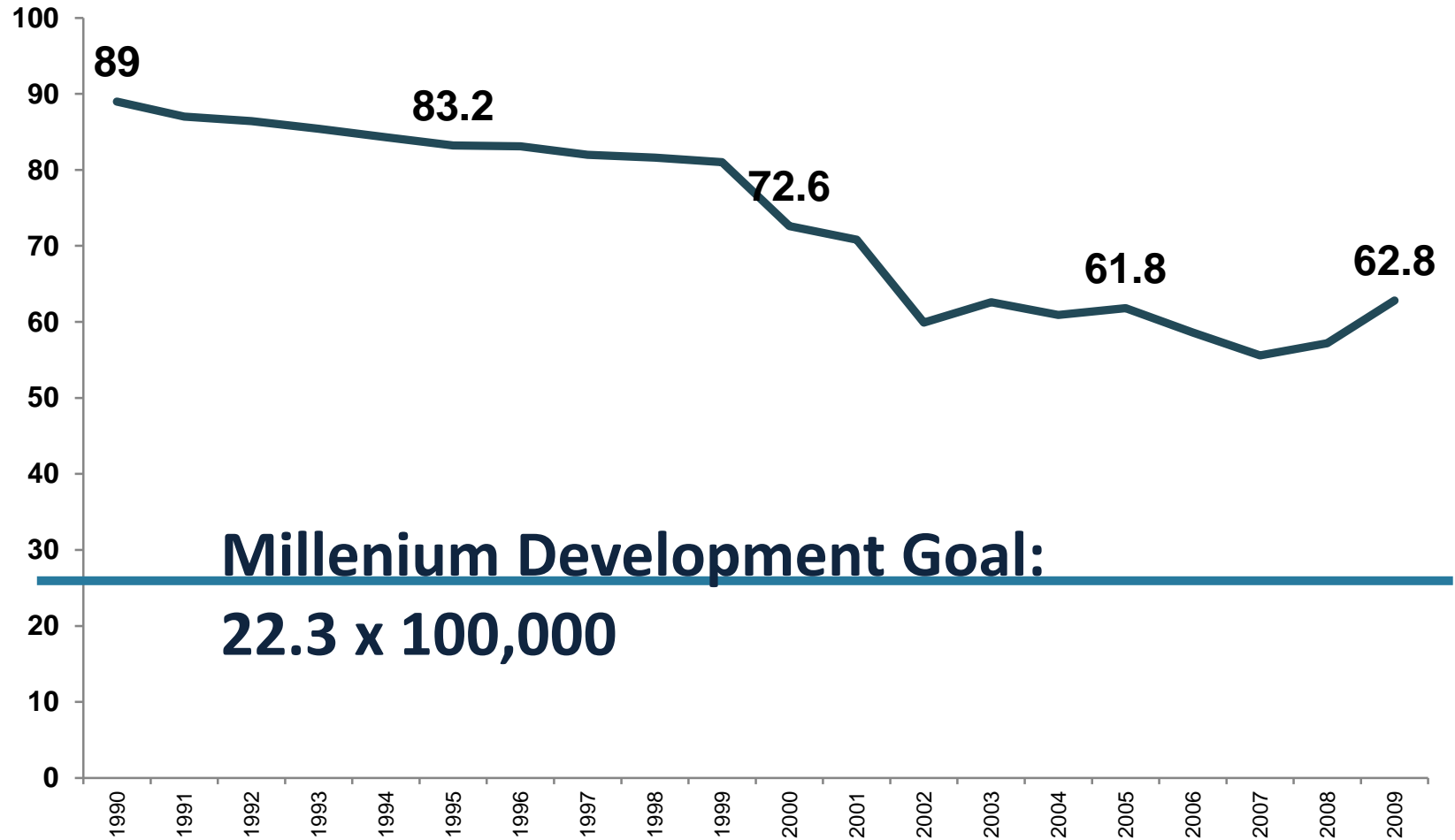
HIDDEN PATTERNS IN MATERNAL DEATHS

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Background

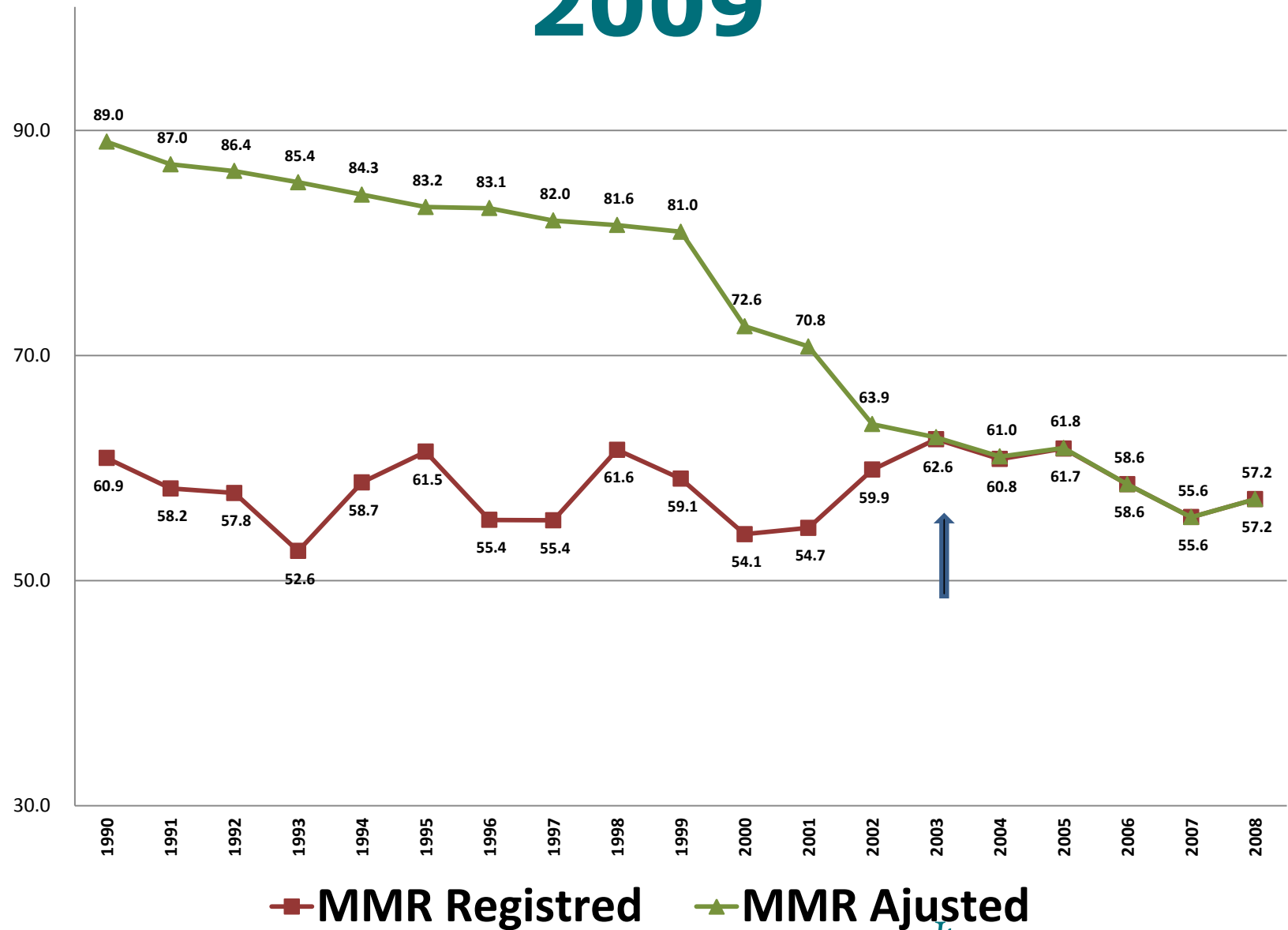
- Given the high mortality ratio (51.5 deaths per 100,000 livebirths in 2010) and the Millennium Development Goals commitment, maternal deaths in particular are notified and analyzed carefully every year by the Ministry of Health both at the federal and state level.
- In Mexico, public health sector information systems have significantly improved their record keeping. For that purpose, the Ministry of Health (MoH) has developed tools aiming to better understand the causes and to provide recommendations for the health systems.

Maternal Mortality, 2009



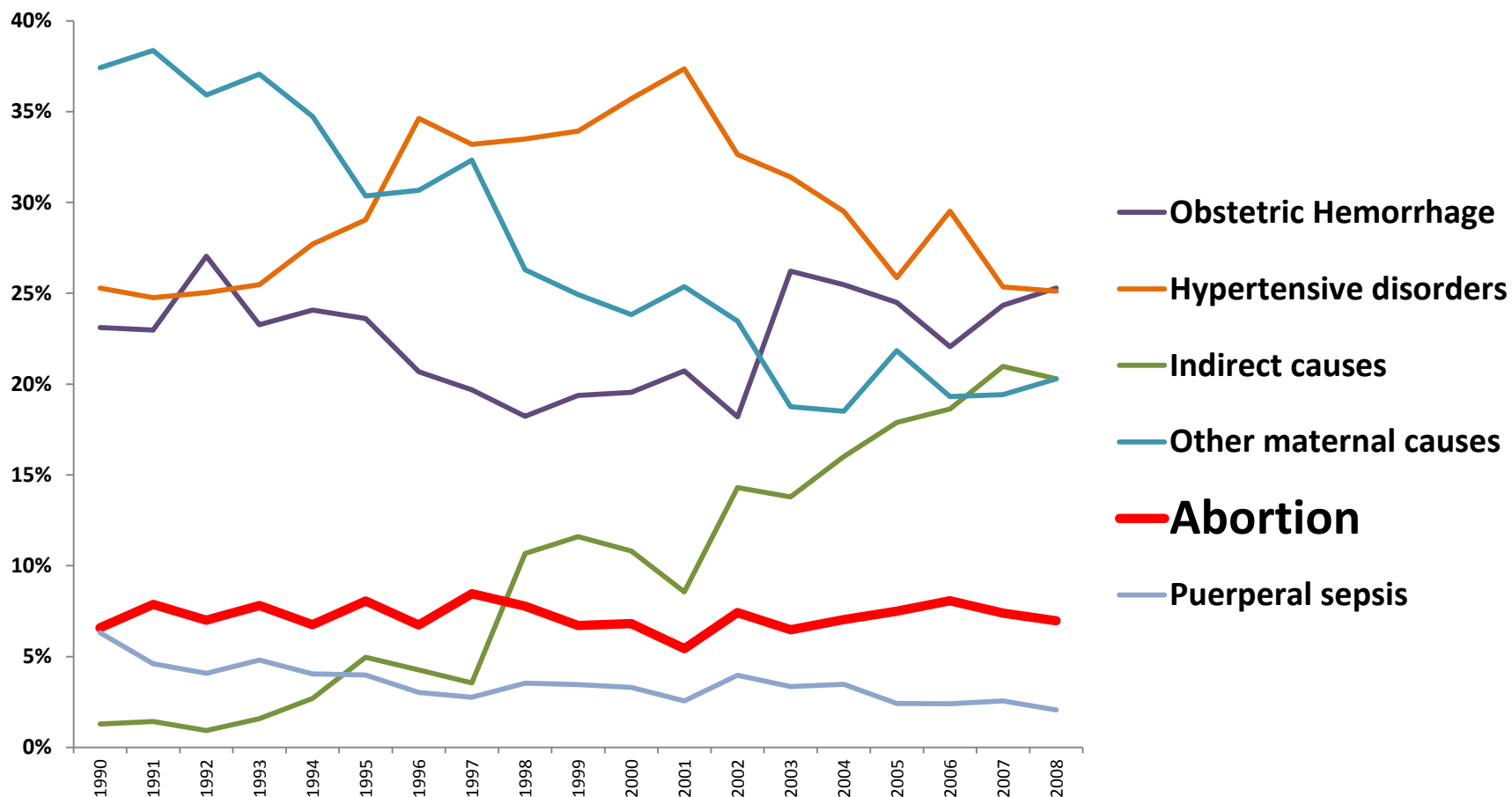
Millennium Development Goal:
22.3 x 100,000

Maternal Mortality, 1990-2009



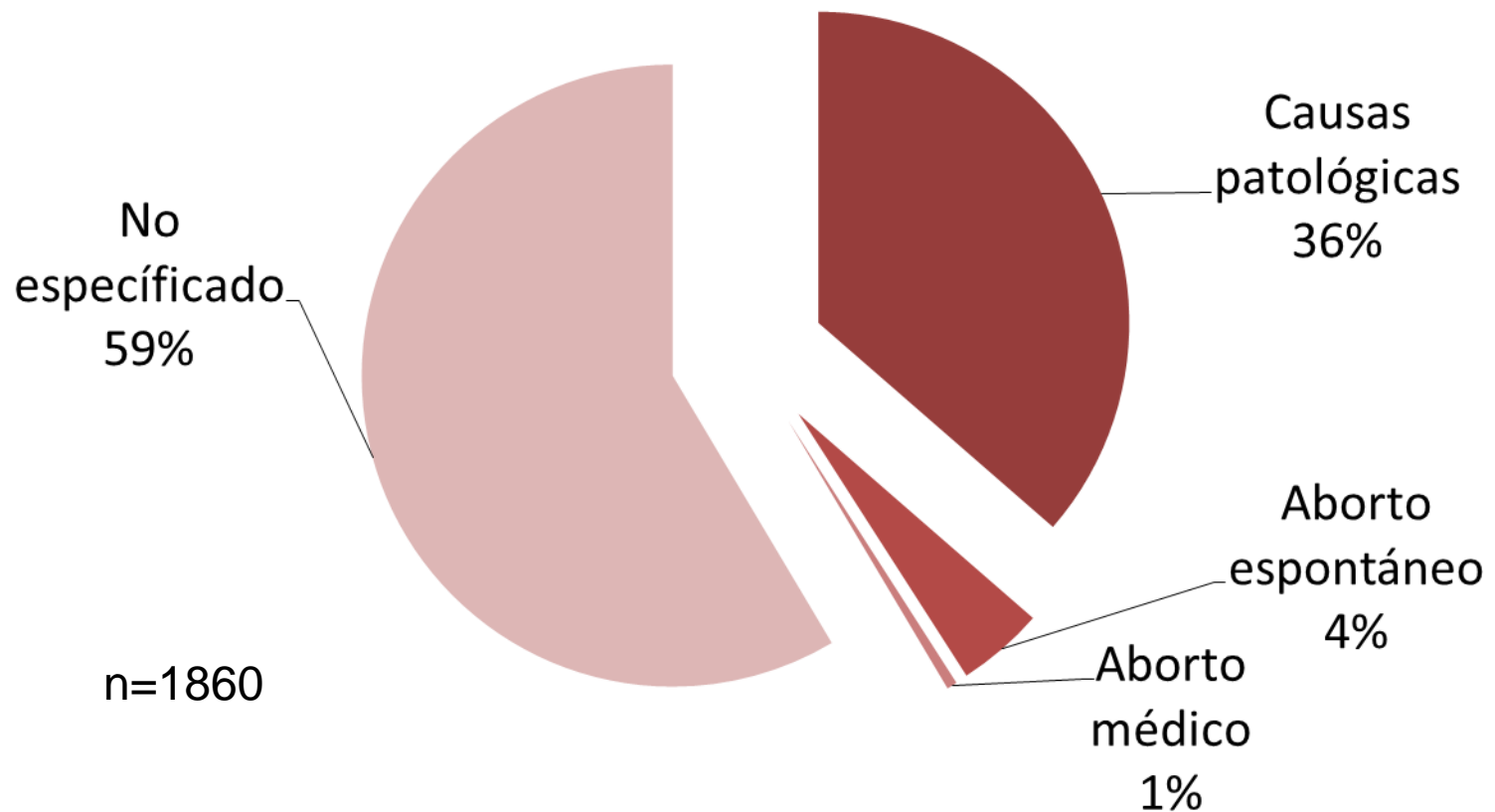
■ MMR Registered ▲ MMR Ajusted

Maternal Mortality Causes, 1990-2009



Source: INEGI/SSA, SINAIS; Cubos de Mortalidad de la Población Mexicana, 1990-2008

Mortalidad por aborto: Causas específicas, 1990-2009



n=1860

Aim and Methods

- To analyze the national maternal deaths files
- We used the latest International Classification of Diseases (ICD-10) that includes all pregnancies with abortive outcome under ICD codes 000- 006.

Total maternal deaths:

992



Abortion Related: 92



First site of health care:

92 women

44 died



Second site of health care:

48 women

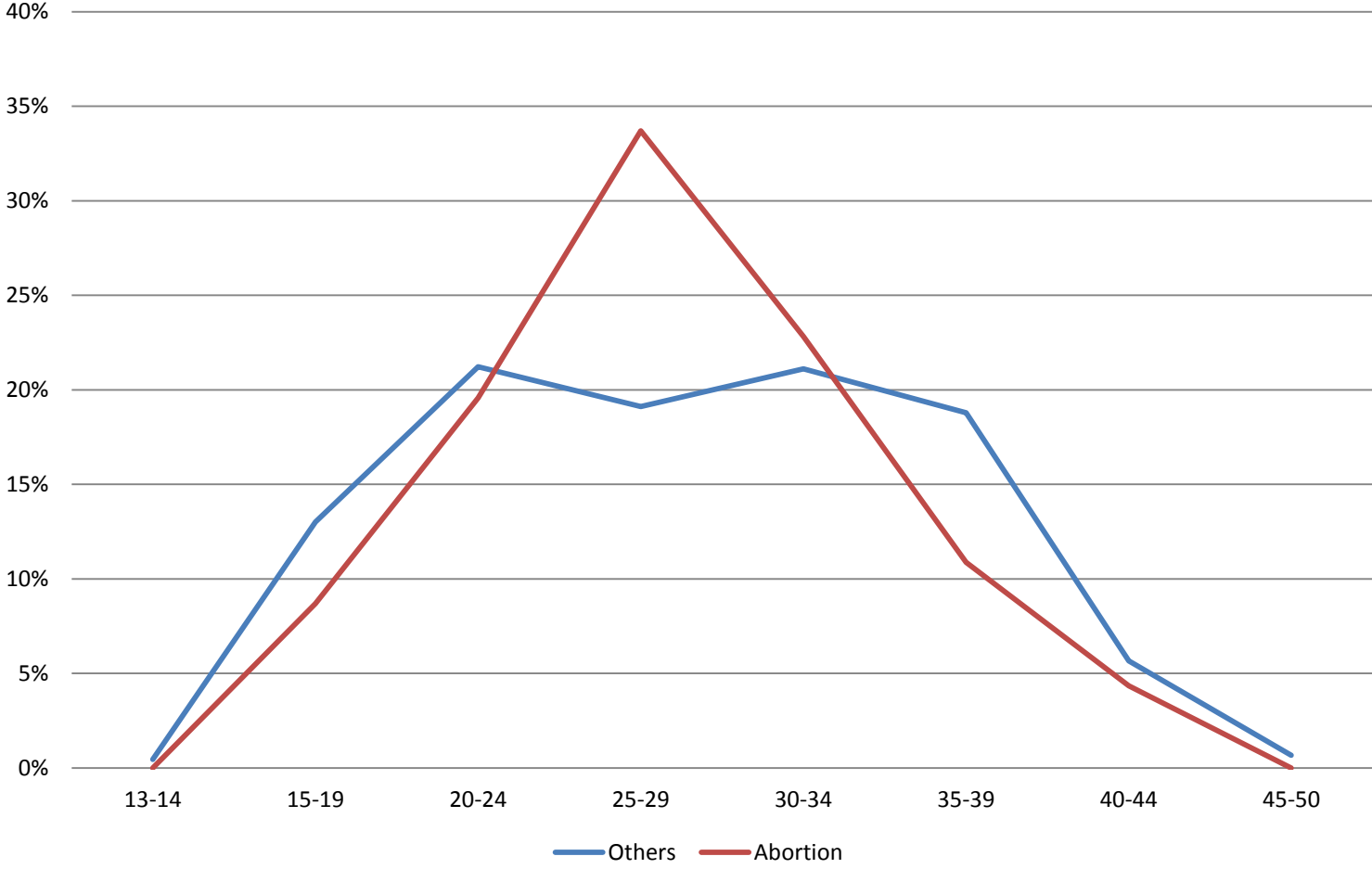
38 died



Three or more sites:

10 died

Age distribution: abortion and others



Quality of the Data

- Every state has different tools for documenting maternal deaths as also has different health care conditions

Use of oficial tools

Aclaración oficial	0.1%
Acta de defunción	4.6
Informe necropsia	6.5
Cuestionario confidencial	33.4
Notas médicas	34.4
Formato de notificación	45.2
Otro	47.5
Eslabones críticos	52
Autopsia verbal	57.3
Dictamen de muerte materna	68.2
Resumen clínico	69
Certificado de defunción	94.3

Conclusions

- Despite the growing interest in MM, first trimester deaths are not being adequately addressed in the current framework of review; the information in the files systematically leaves many questions unanswered.
- Abortion related deaths enquiries demand a renovated effort from the health information systems, to provide more adequate data on all types of abortion and help guide recommendations to eradicate this preventable cause of MM death

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GRACIAS