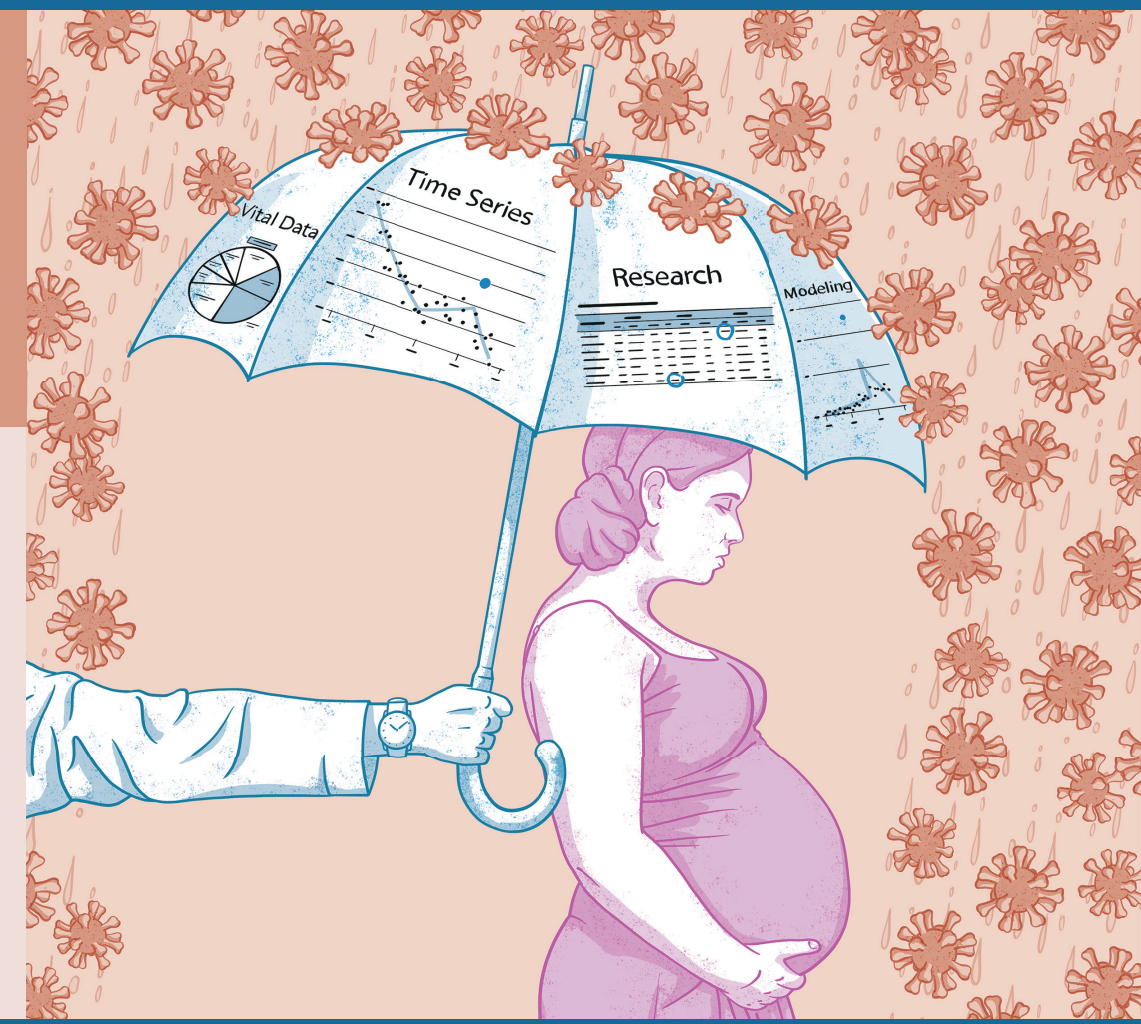


MATERNAL MORTALITY

IN ARGENTINA IN THE LAST 4 DECADES

Critto M. | Enríquez Y. | Bravo M.
De Janon L. | Weinberg R.
Etchegaray A. | Koch E.



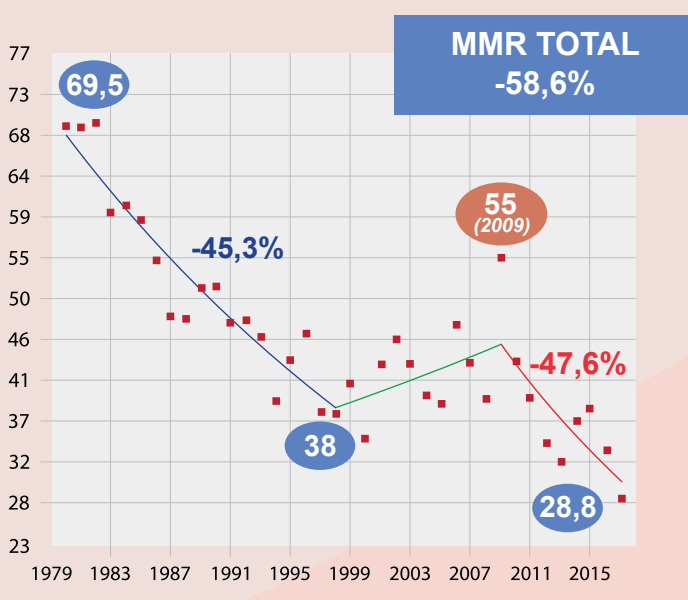
MATERNAL MORTALITY IN ARGENTINA IN THE LAST 4 DECADES

Recent research on the impact of an emerging virus pandemic on cause-specific maternal mortality in Argentina, published in the journal The Lancet, Regional Health – Americas concluded:

- 1** The 2009 influenza A(H1N1) pandemic was associated with an abrupt and short-term increasing effect on maternal mortality from the respiratory system- and sepsis-related complications.
- 2** The Argentinian maternal death registry appears sensitive to detect different effects of emerging infectious epidemics on maternal Health and showed a sufficient quality for reflecting specific changes in the Maternal Mortality Ratio (MMR).
- 3** Over this 38-year study, the MMR decreased significantly, transitioning from direct obstetric causes to indirect causes.

EVOLUTION OF MATERNAL MORTALITY IN ARGENTINA 1980 – 2017

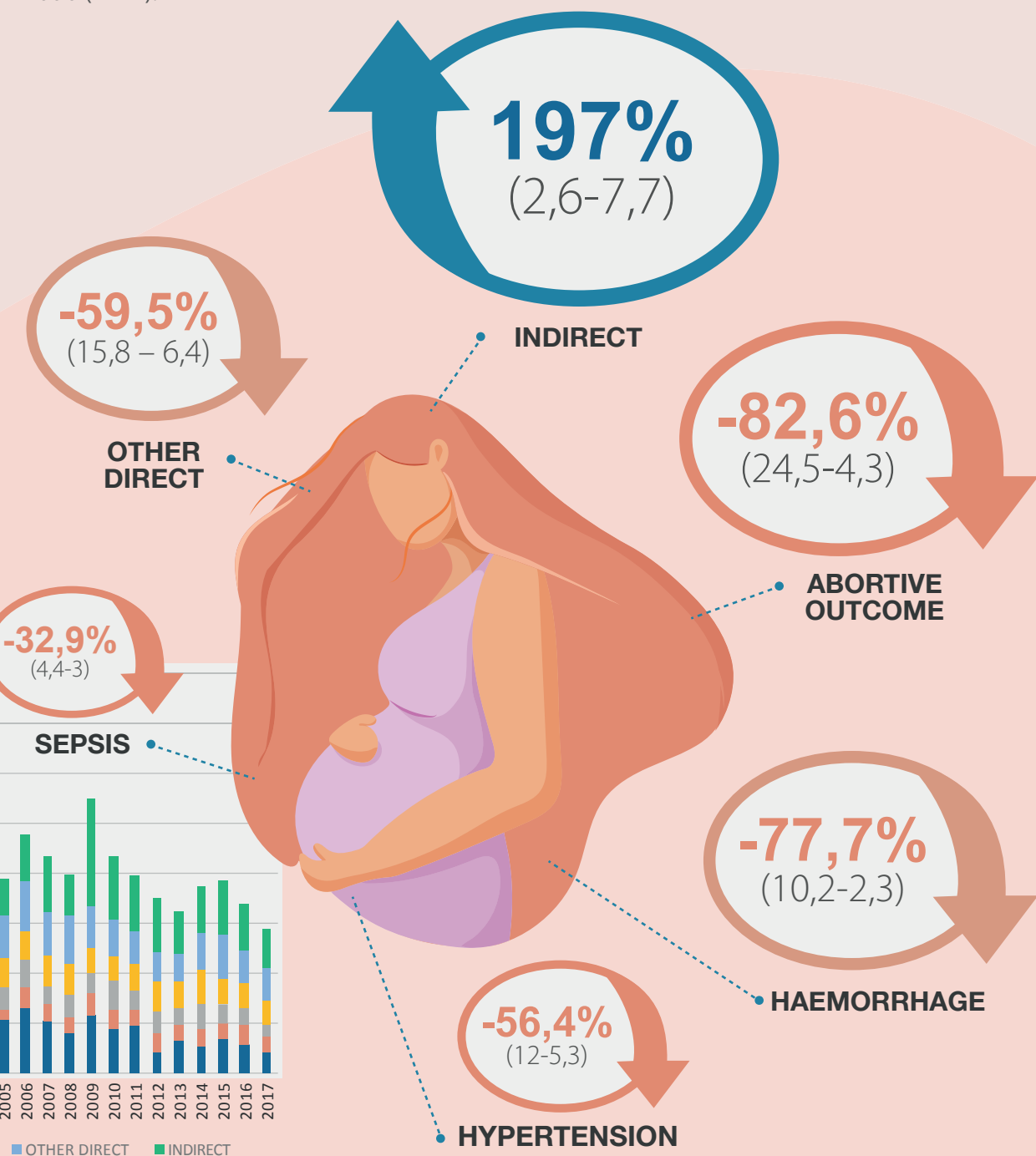
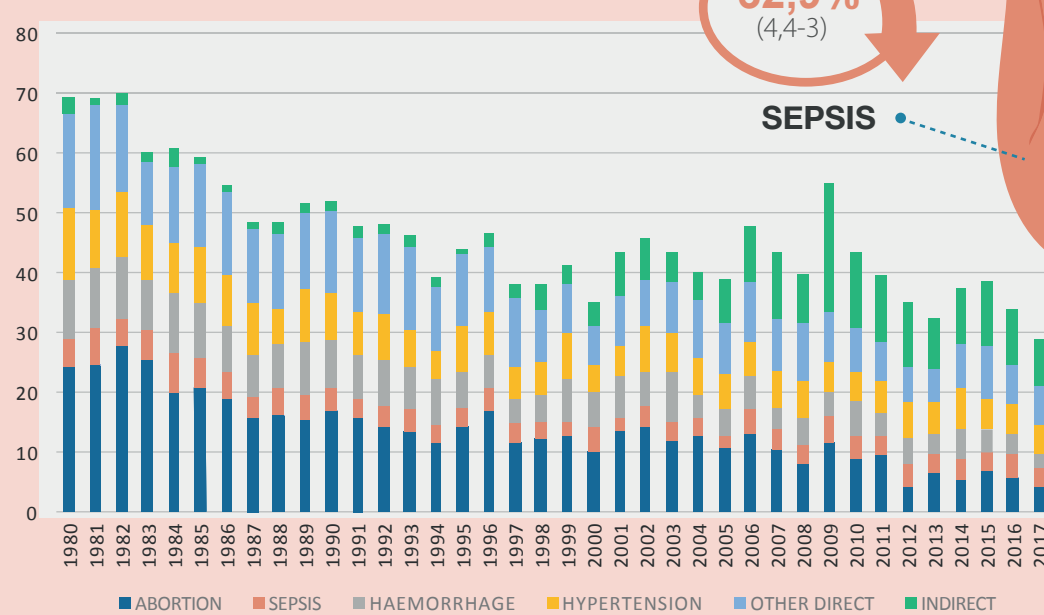
In the last 38 years, the total MMR decreased by 58.6%. In 2009, the total MMR had a peak associated with the H1N1 pandemic of 55/100,000 Live Births.



*Linear regression analysis (joinpoint).

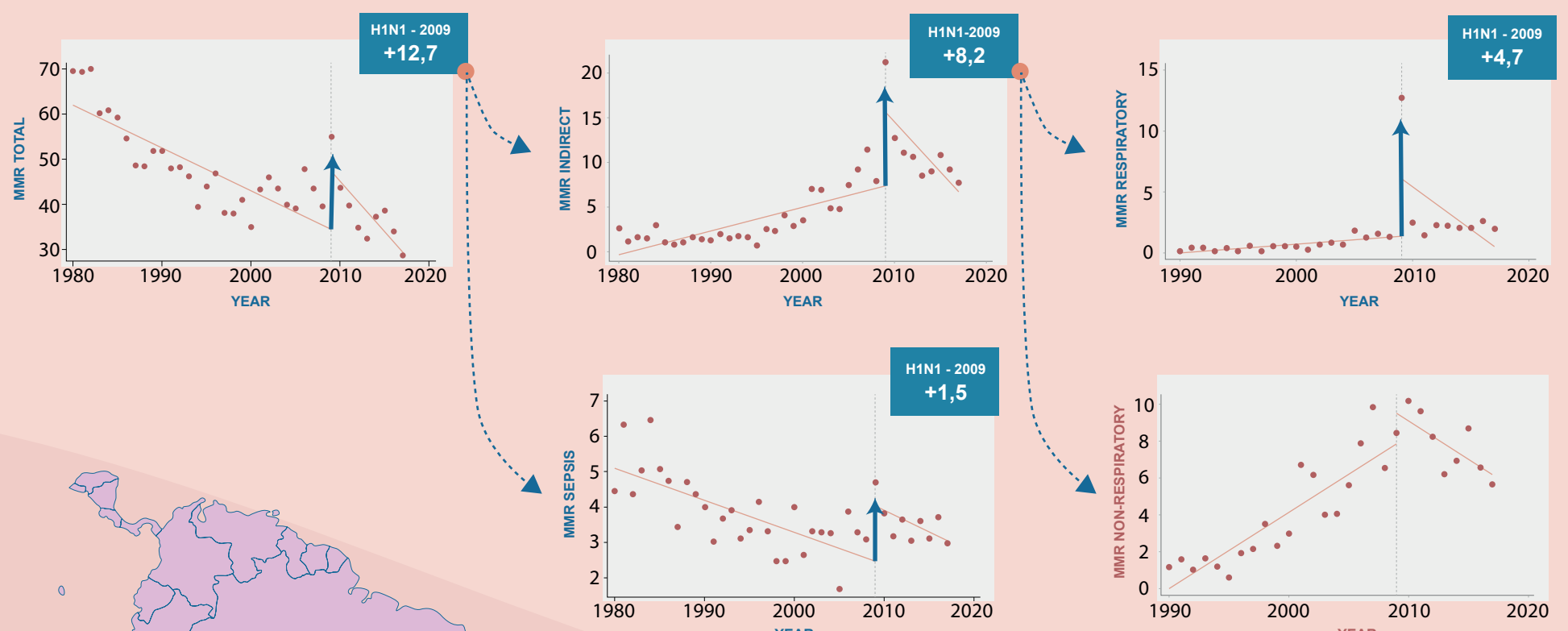
CHANGE IN THE MAIN CAUSES OF MATERNAL DEATH

Obstetric Transition: the epidemiological pattern of maternal mortality is gradually modified, changing the predominance of deaths from direct to indirect obstetric causes.



IMPACT OF THE AH1N1 PANDEMIC (2009)

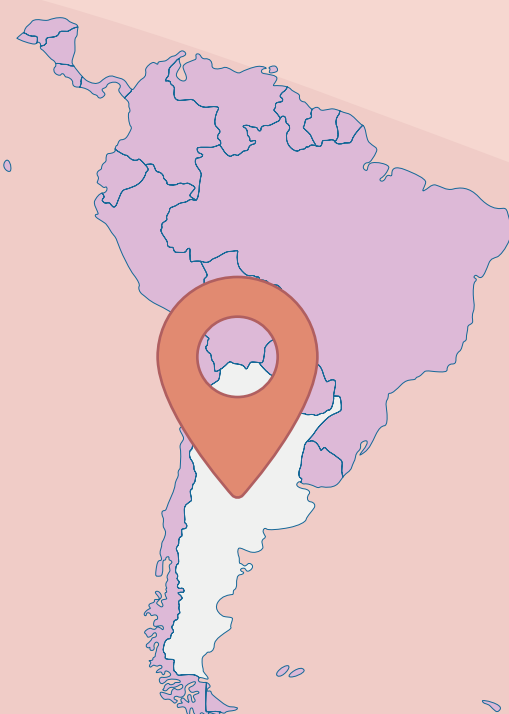
Abupt and short-term increase in maternal deaths related to respiratory complications and sepsis in interrupted time series analysis:



*Interrupted time series (ITS) analysis used to evaluate the effect of the 2009 H1N1 pandemic on cause-specific maternal mortality.

QUALITY OF THE ARGENTINIAN MATERNAL DEATH REGISTRY

Argentina has an uninterrupted maternal death record between 1980 and 2017, capable and sensitive to detect different effects of emerging infectious epidemics on maternal health. This is relevant for epidemiological surveillance of the ongoing SARS-CoV-2 outbreak or other future pandemics.



Source: Critto, M. et al. (2022). Impact of emerging virus pandemics on cause-specific maternal mortality time series: a population-based natural experiment using national vital statistics, Argentina 1980-2017. The Lancet Regional Health-Americas, 6:100116.



More information: www.melisa-institute.org