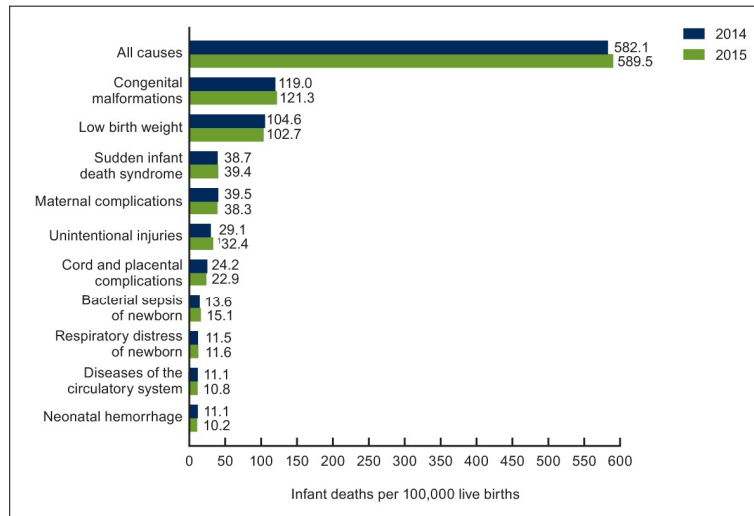


Maternal and Neonatal Mortality in Kentucky

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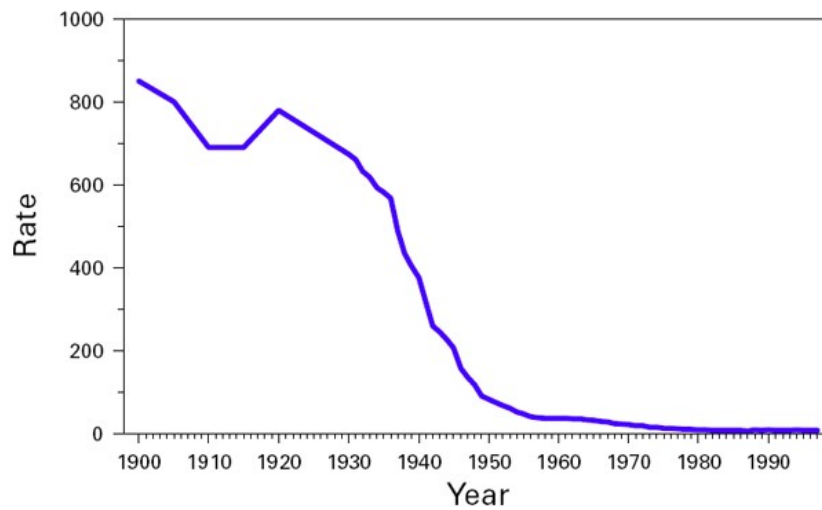
Maternal Mortality

- ▶ Prevention of maternal morbidity and mortality was the defining goal of modern obstetrical care
- ▶ As maternal outcomes improved, we have shifted focus to neonatal outcomes



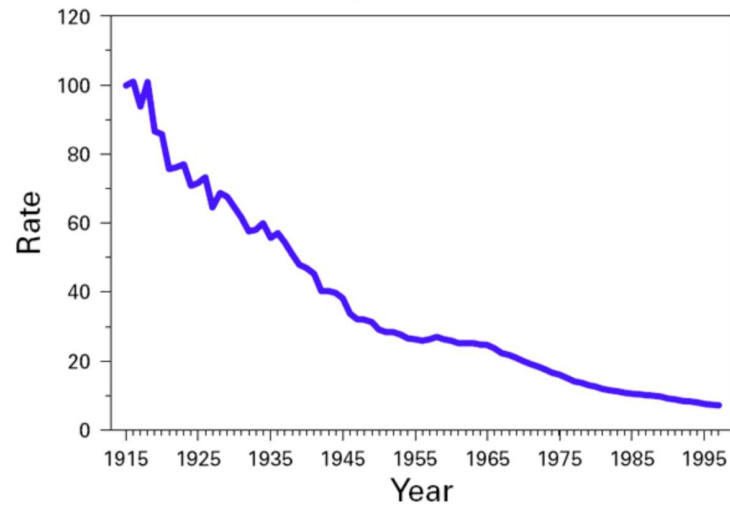
*Statistically significant increase in mortality rate from 2014 to 2015 ($p < 0.05$).
 NOTES: A total of 23,455 deaths occurred in children under age 1 year in the United States in 2015, with an infant mortality rate of 589.5 infant deaths per 100,000 live births. The 10 leading causes of infant death in 2015 accounted for 68.6% of all infant deaths in the United States. Causes of death are ranked according to number of deaths. Access data table for Figure 4 at: http://www.cdc.gov/nchs/data/databriefs/db267_table.pdf#4.
 SOURCE: NCHS, National Vital Statistics System, Mortality.

FIGURE 2. Maternal mortality rate,* by year — United States, 1900–1997



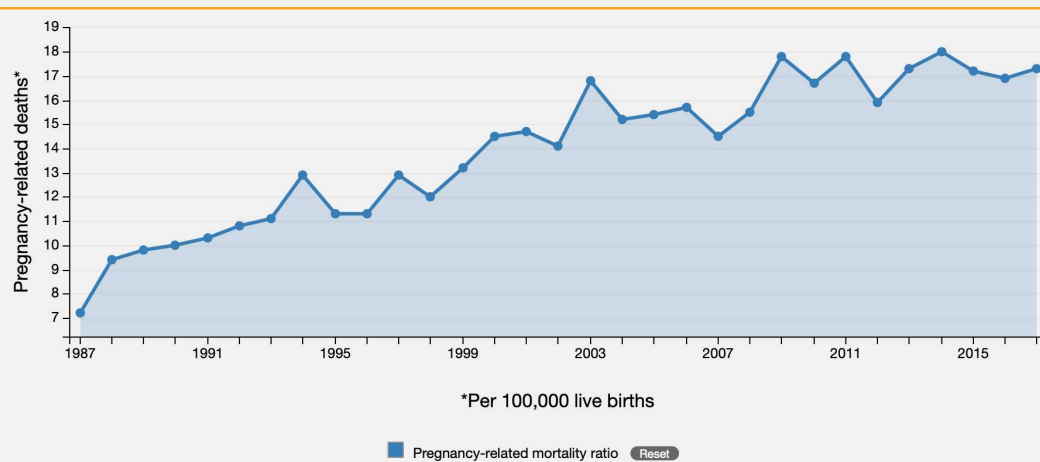
*Per 100,000 live births.

FIGURE 1. Infant mortality rate,* by year — United States, 1915–1997



*Per 1000 live births.

Trends in pregnancy-related mortality in the United States: 1987-2017



*Per 100,000 live births

■ Pregnancy-related mortality ratio [Reset](#)

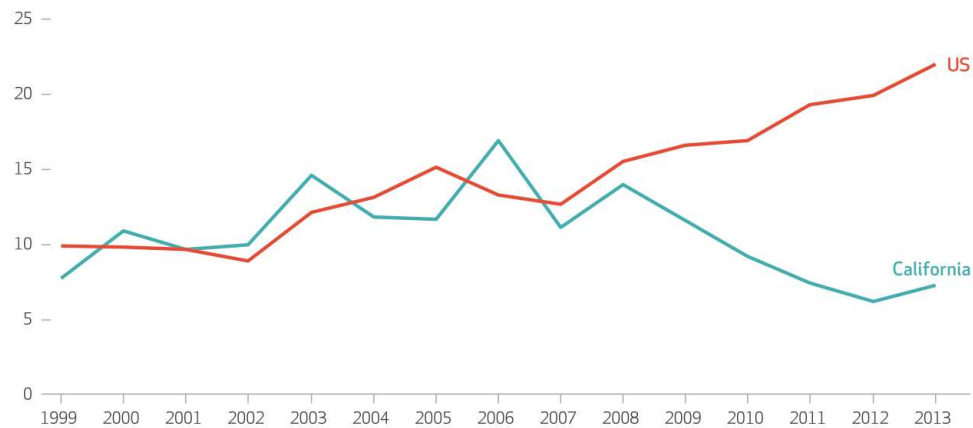
Why focus on maternal mortality?

- ▶ Tip of the iceberg
- ▶ Every death denotes many cases of non-fatal morbidity

Why is formal review critical?

- ▶ We can't manage what we don't measure
- ▶ Worsening mortality trend is reversible

Maternal mortality rates per 100,000 live births in California and the United States, 1999–2013



SOURCES Authors' reproduction of data from the following sources in the public domain. For California: California Department of Public Health, Center for Family Health, Maternal, Child and Adolescent Health Division, March 2015; and the California Birth and Death Statistical Master Files. For the US: data for 1999–2007 from the National Center for Health Statistics (NCHS); and data for 2008–13 from CDC WONDER, Centers for Disease Control and Prevention. **NOTE** Maternal mortality is defined in the text.

Maternal Mortality Review Committee

- ▶ Authorized by KY legislature in 2018
- ▶ Thank you for helping to improve the health of women and babies in Kentucky

Improving Outcomes

- ▶ As physicians and other healthcare providers, we can:
 - ▶ Identify the problems
 - ▶ Recommend evidence-based solutions
 - ▶ Many actions can be undertaken by non-governmental stakeholders
 - ▶ **Some solutions require government action**