Malaria Deaths United States 1938-1942
MiP as part of a wider malaria prevention effort

Rose, G. Sick individuals and sick populations, 1976
What we learned? Treatment

Azucena Bardaji (review)
- Malaria is bad for moms and babies
- Most malaria cases are outside of Africa
  - 92/125 million cases
- Guidelines in Africa are clear – not elsewhere

Feiko ter Kuile (meta-analysis)
- ACT is safe and efficacious in the first trimester
  - And better than Quinine in the 2nd and 3rd Trimester

Daniel Chandramohan (RCT India)
- Artesunate + SP = Artesunate + mefloquine
  - Both safe and effective in uncomplicated P. Falc
What we learned? Prevention

**Stephen Rogerson (RCT PNG)**
- Azithromycin-SP [SPAZ] beats Chloroquine-SP
  - Reduces LBW and malaria by around 25%
  - Added benefits on maternal nutrition but unclear why

**Daniel Chandramohan (CRT India, 1-3% maternal malaria)**
- Active screening (IST) identifies and treats 10x more cases than passive detection
- No effect on placental malaria or birth outcomes
  - Unclear why?

**Rukhsana Ahmed/Rini Poespoprodjo (CRT Indonesia – 2 settings)**
- High prevalence settings IPT better than screen and treat
- All settings: Single ST = Intermittent ST
RESEARCH IS HARD WORK

PNG:
- Parasitemia much lower than estimates

India:
- Zero placental malaria in 29/80 clusters
- Role of private sector

Indonesia
- RDTs performed poorly relative to original baseline work

What are the consequences of?
- Clinical Malaria
- Asymptomatic malaria
- Sub-patent (PCR + but RDT negative malaria)
Tailored approaches required
More research is necessary!