



Trends in pneumonia and diarrhea burden

Findings and applications from the Global Burden of Disease (GBD) study

Nancy Fullman, MPH

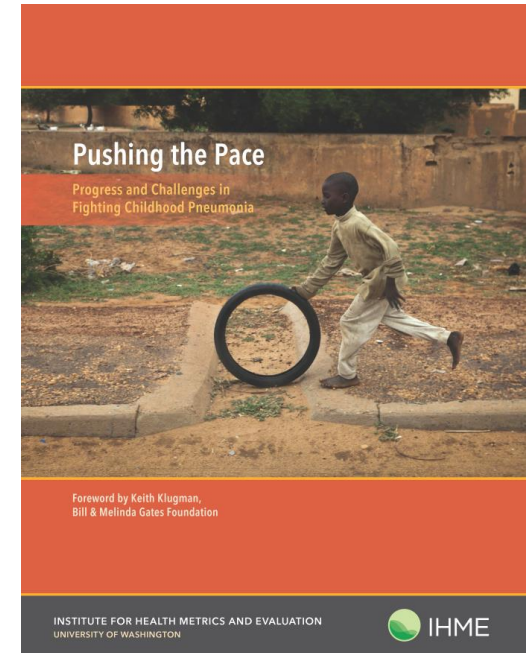
Policy Translation Specialist

Diarrhea and Pneumonia Working Group meeting

May 28, 2015

Overview

- Highlights from *Pushing the Pace* pneumonia report
- Trends in mortality from diarrheal diseases
- Combined burden from pneumonia and diarrhea diseases
- Considering shifts in fatal v. non-fatal outcomes
- Conclusions and implications for the post-MDG era



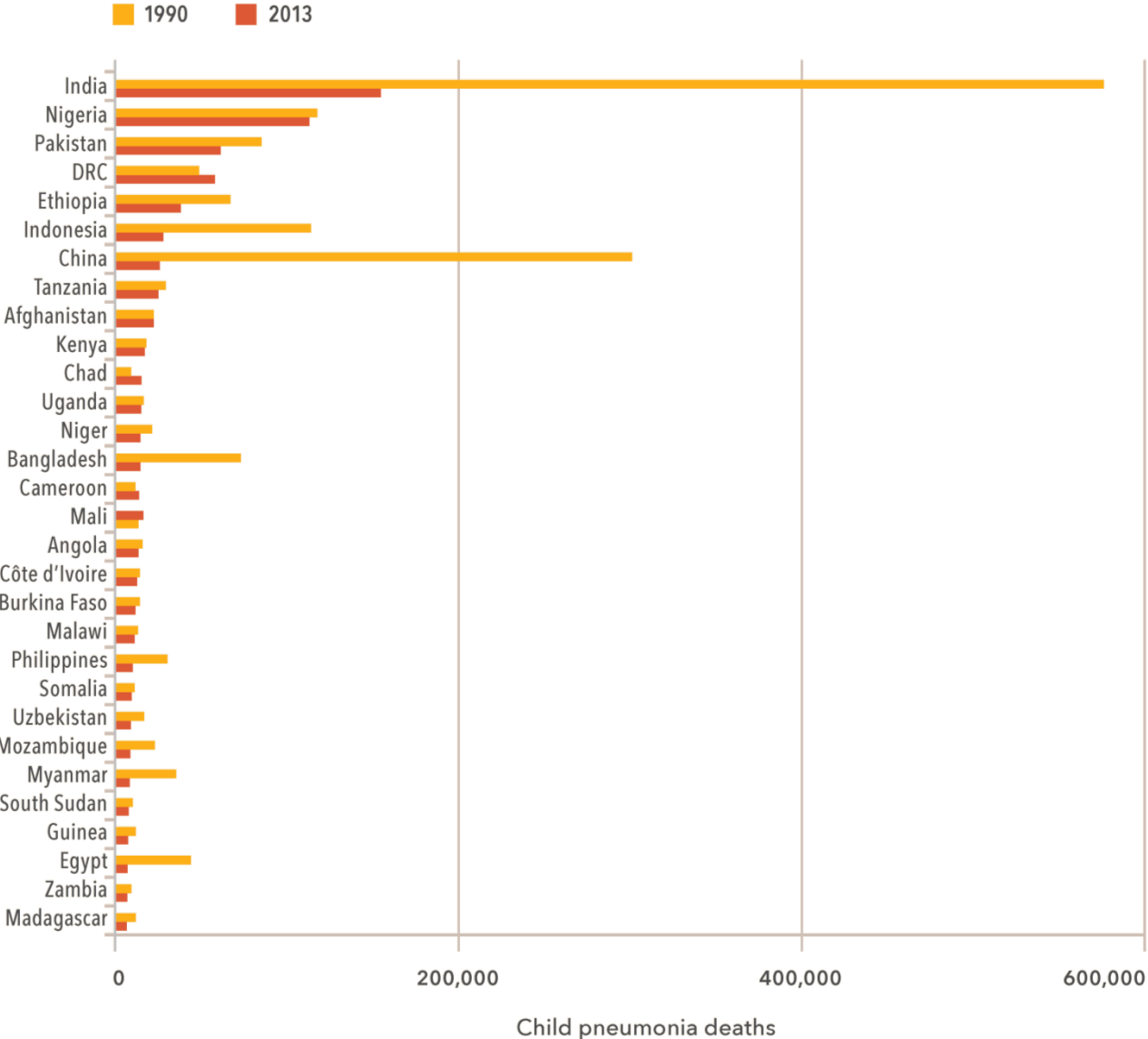
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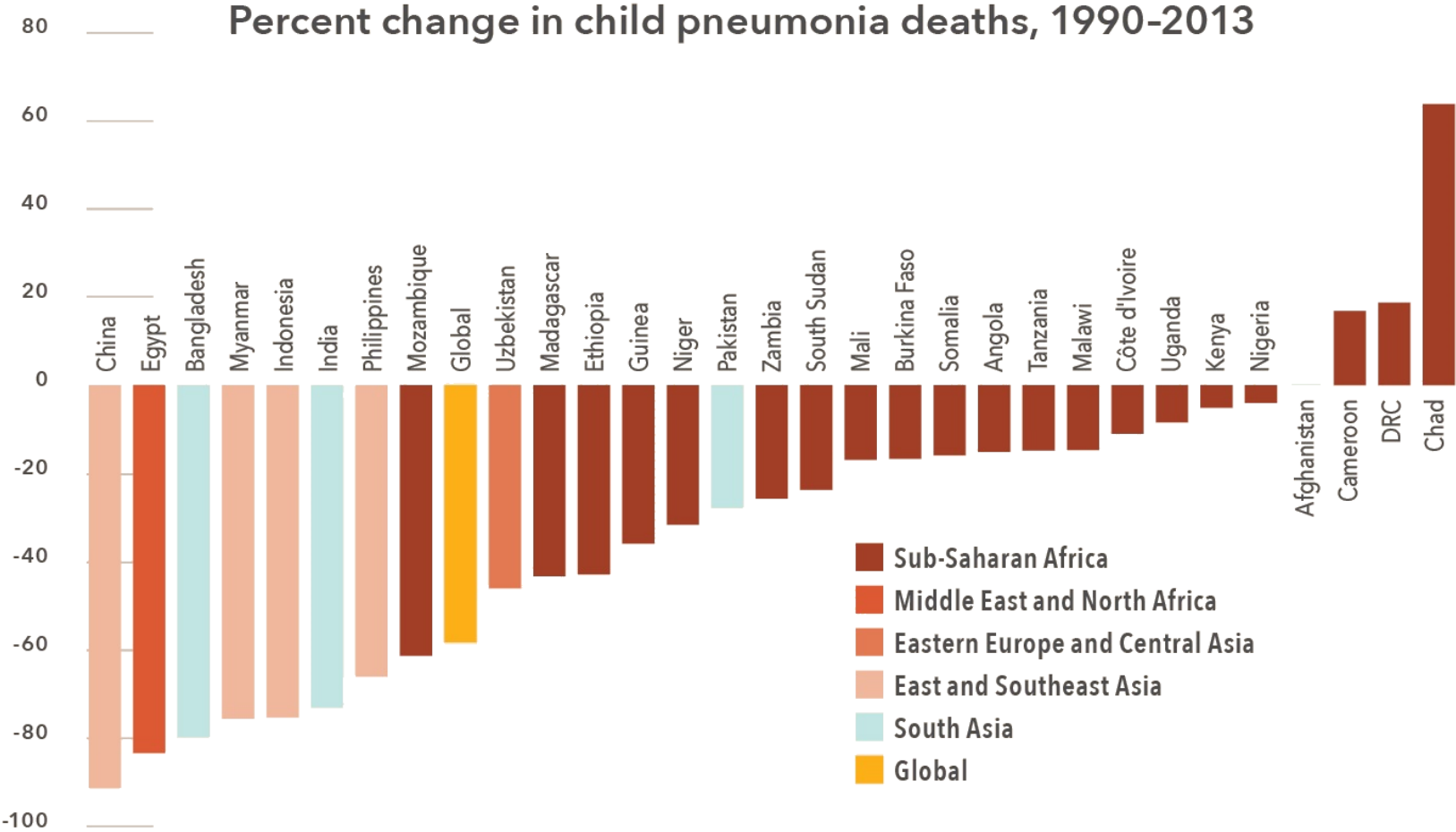
Highlights from *Pushing the Pace* pneumonia report

Most high-burden countries recorded declines in mortality since 1990



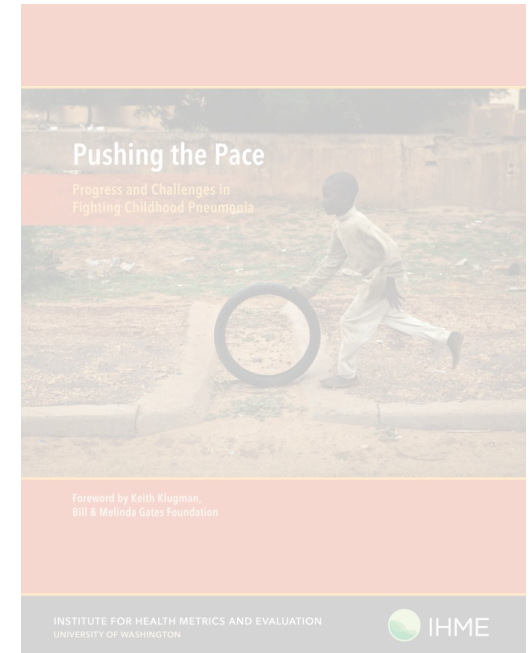
Highlights from *Pushing the Pace* pneumonia report

Uneven country progress underlies global gains against pneumonia



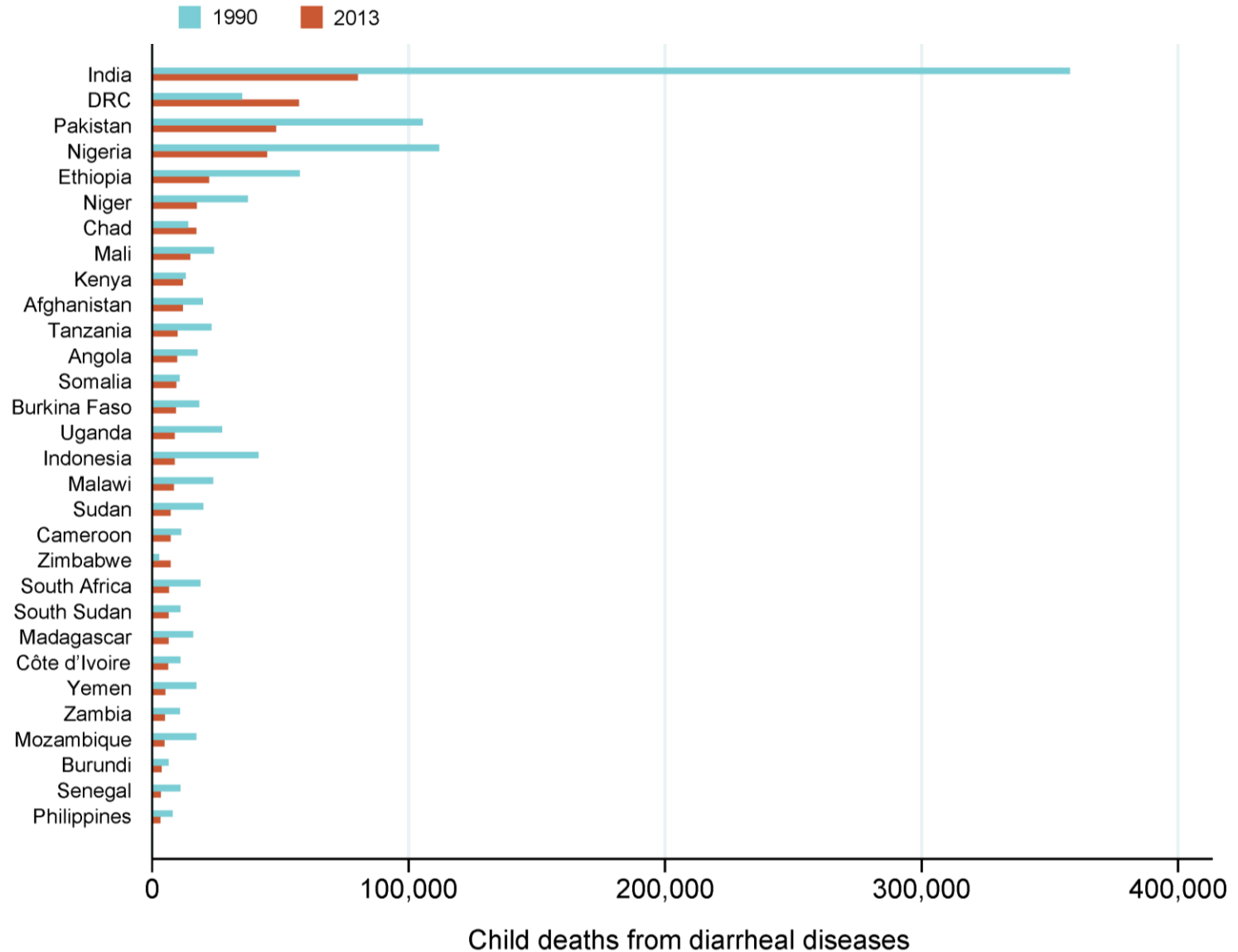
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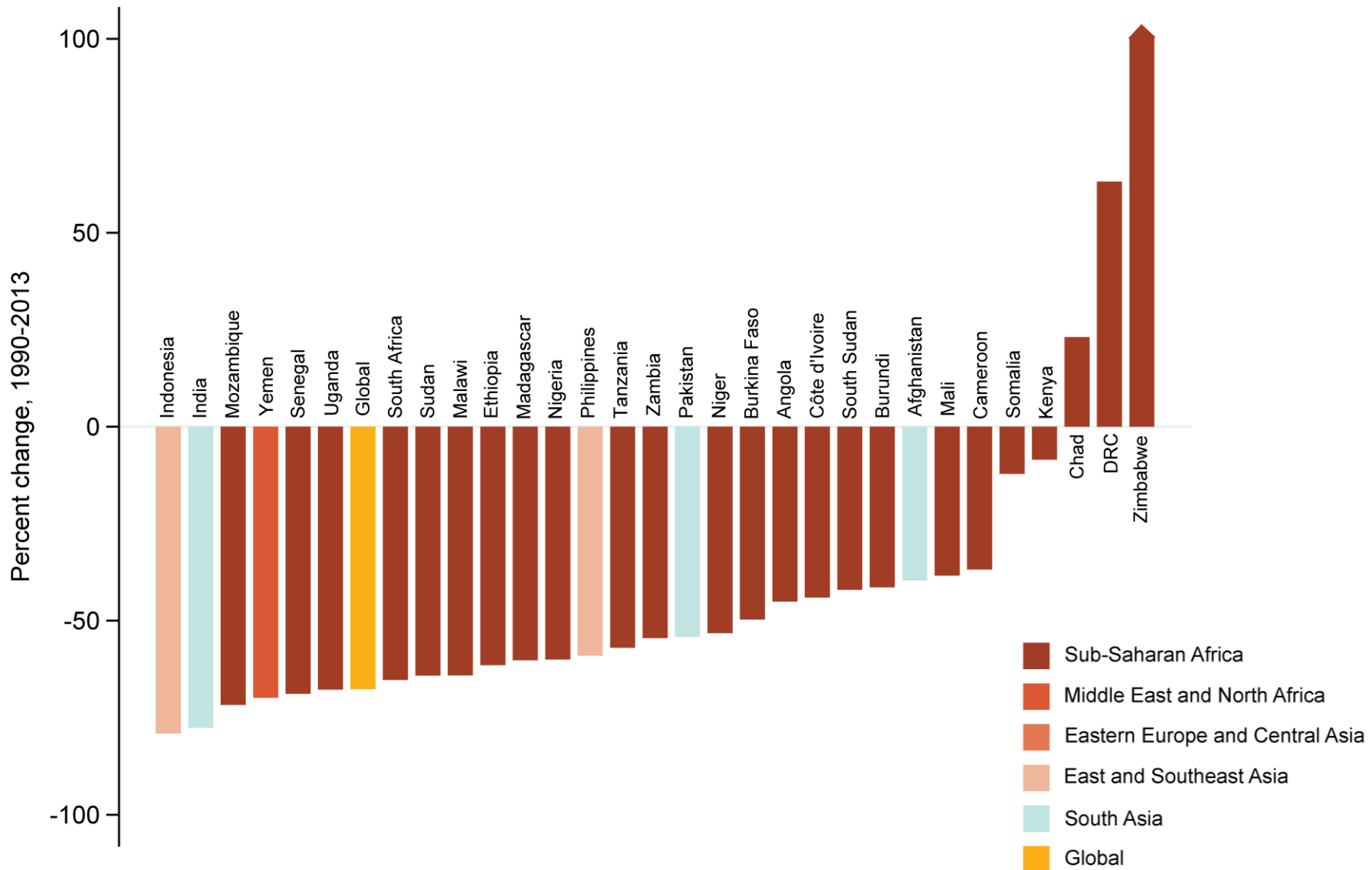
Trends in mortality from diarrheal disease

Most high-burden countries had faster progress than for pneumonia



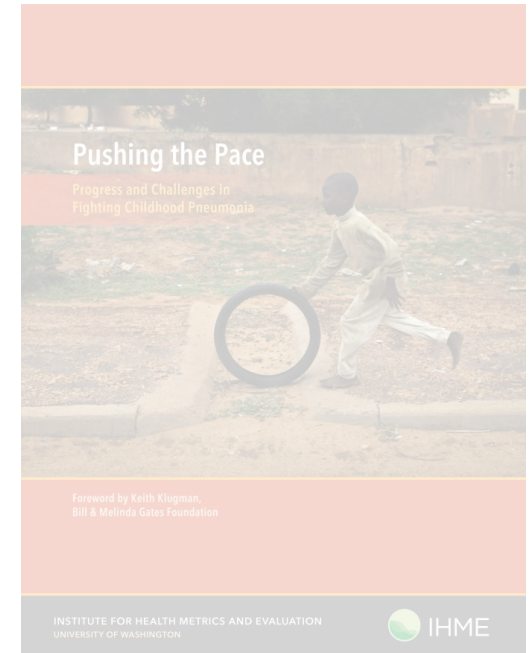
Trends in mortality from diarrheal disease

Variable country gains in reducing child deaths since 1990



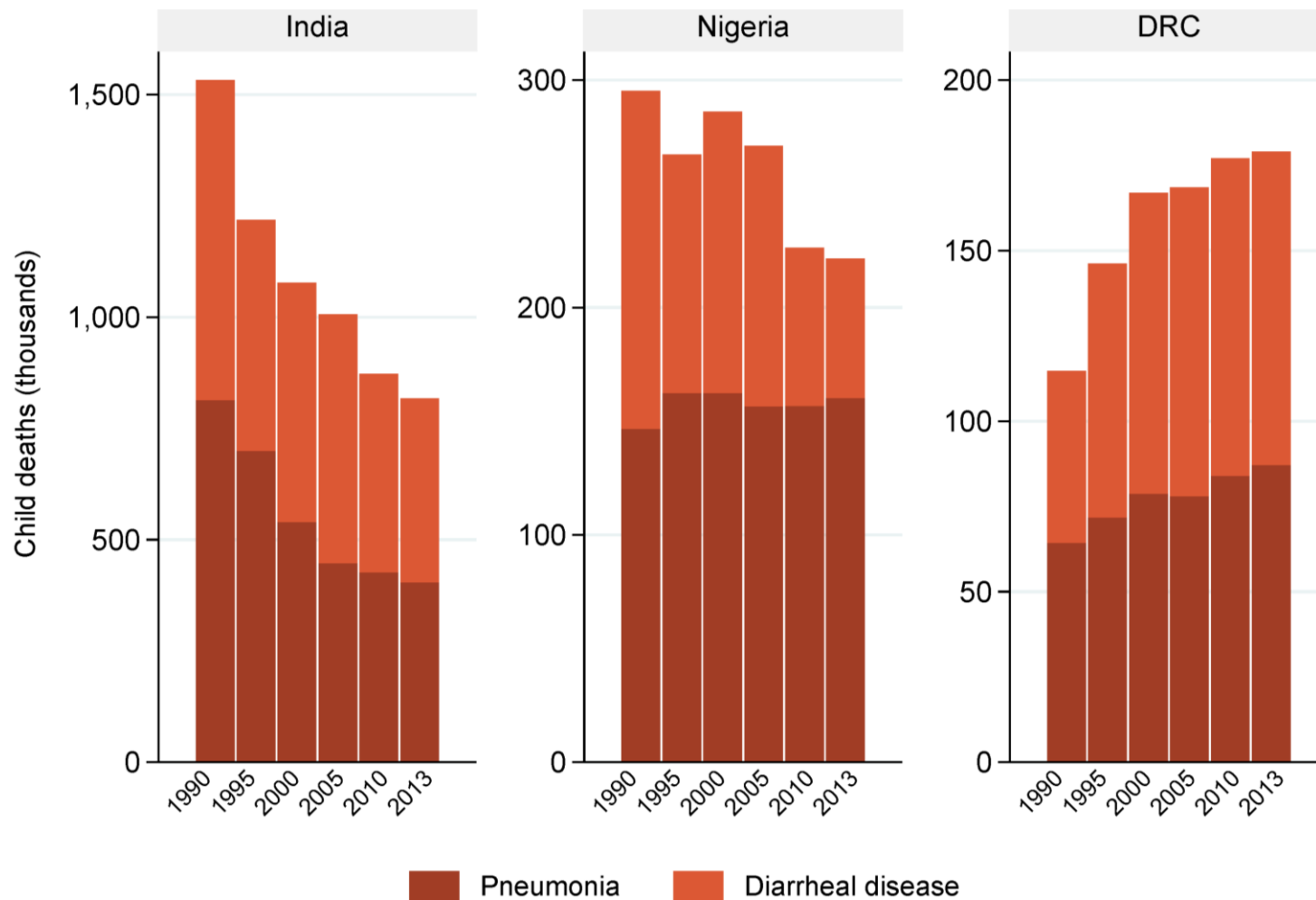
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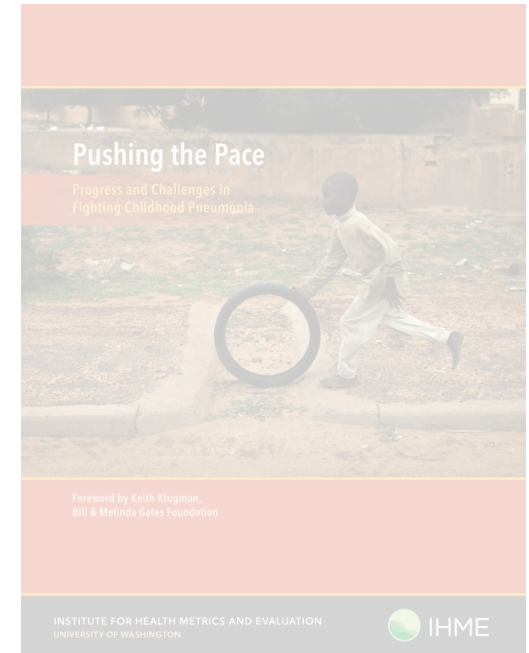
Combined mortality for diarrhea and pneumonia

Country-level trends showed tremendous heterogeneity

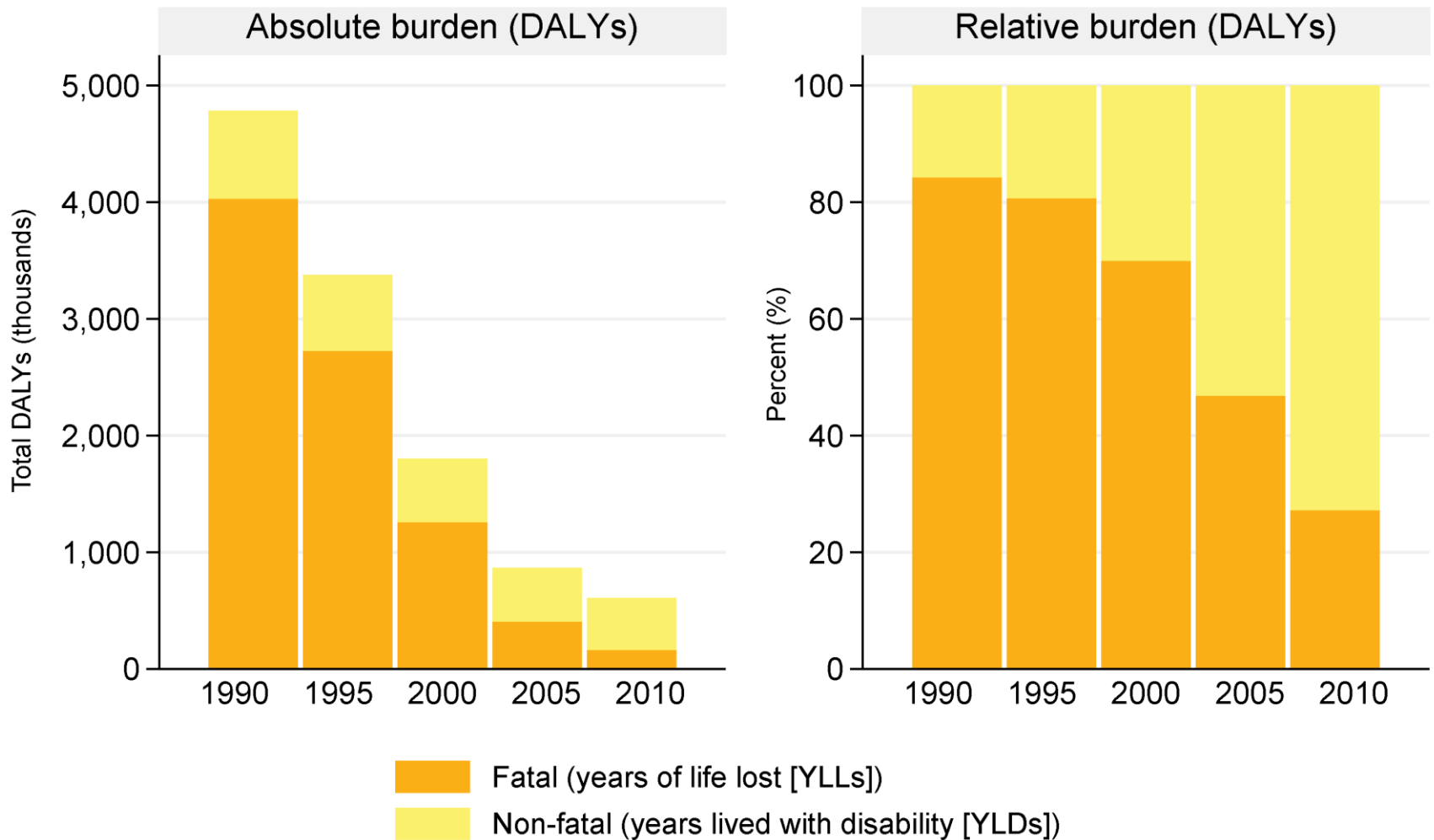


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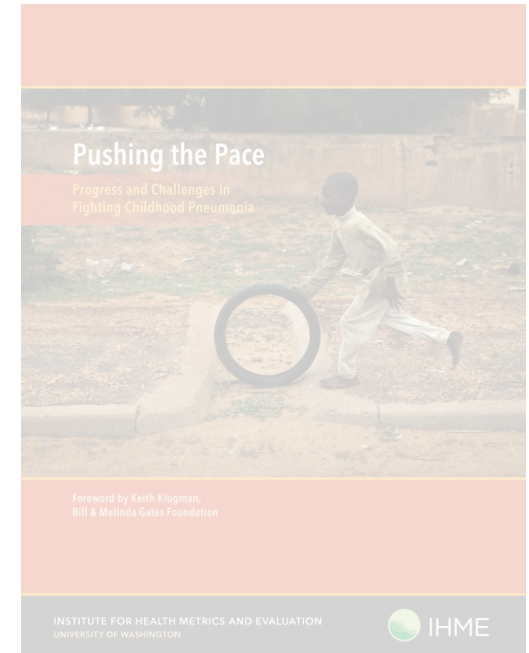


Diarrhea burden in China: Shifting trends in fatal and non-fatal outcomes



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Conclusions and implications for the post-MDG era

- **Large declines child deaths from pneumonia and diarrheal diseases** achieved in most high-burden countries since 1990.
 - Substantial regional and country-level heterogeneity exists, emphasizing need for locally-focused assessments and financial support of program and policy demands.
- **Non-fatal outcomes increasingly account** for more disease burden.
 - Intervention and investment strategies to prevent child deaths are likely to vary from those needed to prevent children from getting sick in the first place.
- Post-MDG targets will likely require a **mixture of expanding current tools and investing in new strategies** to reach ambitious health goals.
 - Ending preventable child mortality 2030
 - Accelerate progress in reducing child deaths due to pneumonia and diarrheal disease
 - Extend access to treatment and vaccination while improving diagnostics
 - SDG Goal 3: “Ensure healthy lives and promote well-being for all at all ages”
 - Increase efforts in disease prevention and addressing risks underlying disease burden
 - Improved tracking of cases and incidence rates rather than simply deaths



Thank you

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