



Financing Global Health 2018:

Past, present, and future of total and disease-specific health spending

Joseph Dieleman, PhD

April 25, 2019

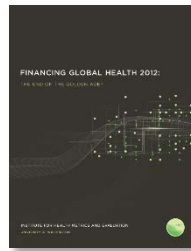
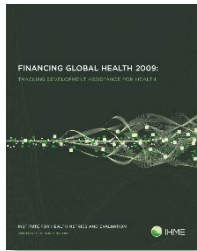
A huge thank you to:

- 1. Kaiser Family Foundation and Center for Strategic and International Studies**
- 2. Bill and Melinda Gates Foundation**
- 3. IHME team:** Angela Chang, Krycia Cowling, Abby Chapin, Catherine Chen, Annie Haakenstad, Connor Harle, Gloria Ikilezi, Margot Kahn Case, Mark Moses, Nafis Sadat, Miranda Tao, Goli Tsakalos, Yingxi Zhao, Bianca Zlavog, Kat Beame, Kelly Bienhoff, Adrienne Chew, Selina Deiparine, Kris Krohn, Katie Leach-Kemon, Michaela Loeffler, Angela Micah, Kate Muller, Chris Murray, Molly Nixon, Dean Owen, Disha Patel, Anna Torre, Joan Williams, Junjie Wu, and Teddy Younker
- 4. Global Burden of Disease Health Financing Collaborator Network**
www.healthdata.org/gbd/call-for-collaborators

10 years of *Financing Global Health* reports

2009–2017 became a global authority on development assistance for health

2018 focuses on domestic health spending, DAH, HIV/AIDS, and malaria



Financing Global Health papers

1

THE LANCET

Past, present, and future of global health financing: a review of development assistance, government, out-of-pocket, and other private spending on health for 195 countries, 1995–2050

*Global Burden of Disease Health Financing Collaborator Network**

2



Global Health Spending and Development Assistance for Health

Joseph L Dieleman, Angela E Micah, and Christopher JL Murray

Financing Global Health papers

3

THE LANCET HIV

Potential for additional government spending on HIV/AIDS in 137 low-income and middle-income countries: an economic modelling study

Annie Haakenstad, Mark W Moses*, Tianchan Tao, Golsum Tsakalos, Bianca Zlavog, Jennifer Kates, Adam Wexler, Christopher J L Murray, Joseph L Dieleman*

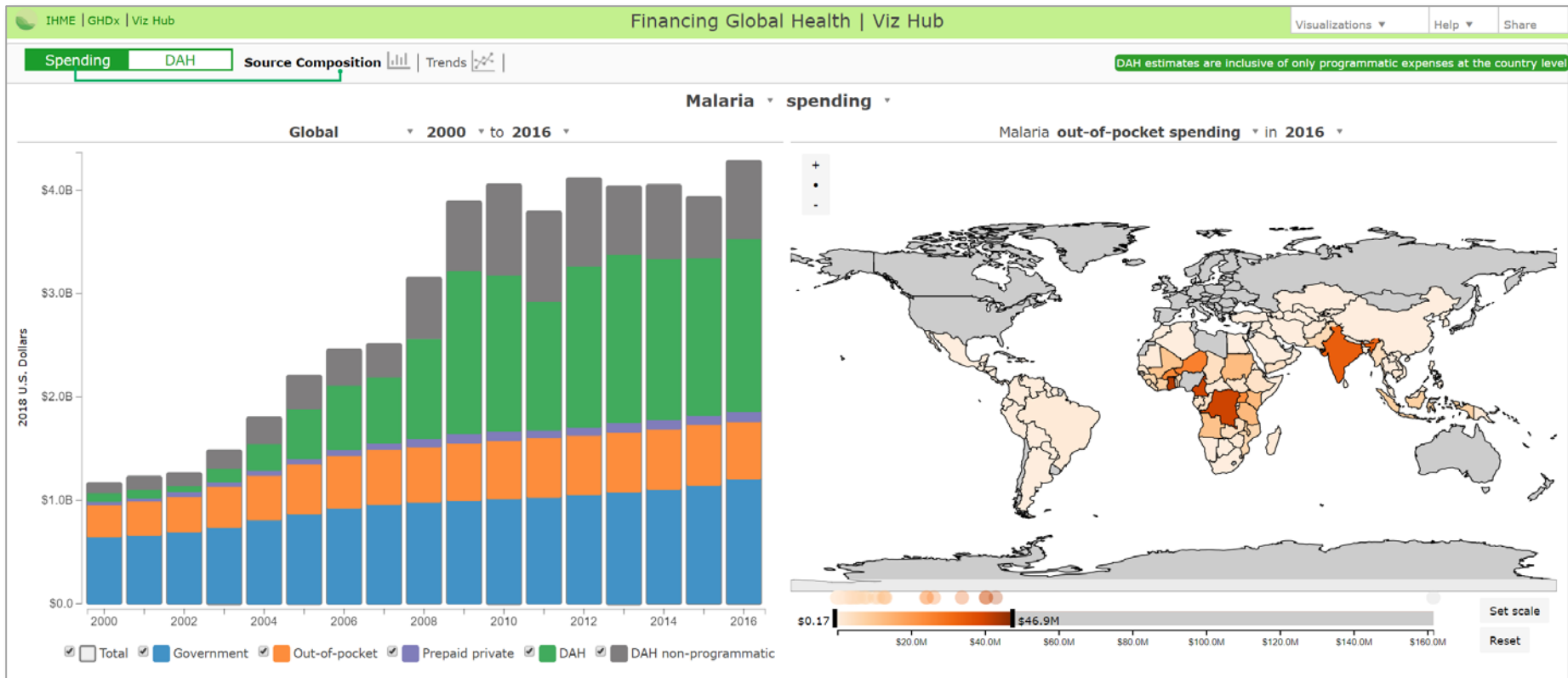
4

THE LANCET Infectious Diseases

Tracking spending on malaria by source in 106 countries, 2000–16: an economic modelling study

Annie Haakenstad, Anton Connor Harle, Golsum Tsakalos, Angela E Micah, Tianchan Tao, Mina Anjomshoa, Jessica Cohen, Nancy Fullman, Simon Hay, Tomislav Mestrovic, Shafiu Mohammed, Seyyed Meysam Mousavi, Molly R Nixon, David Pigott, Khanh Tran, Christopher J L Murray, Joseph L Dieleman

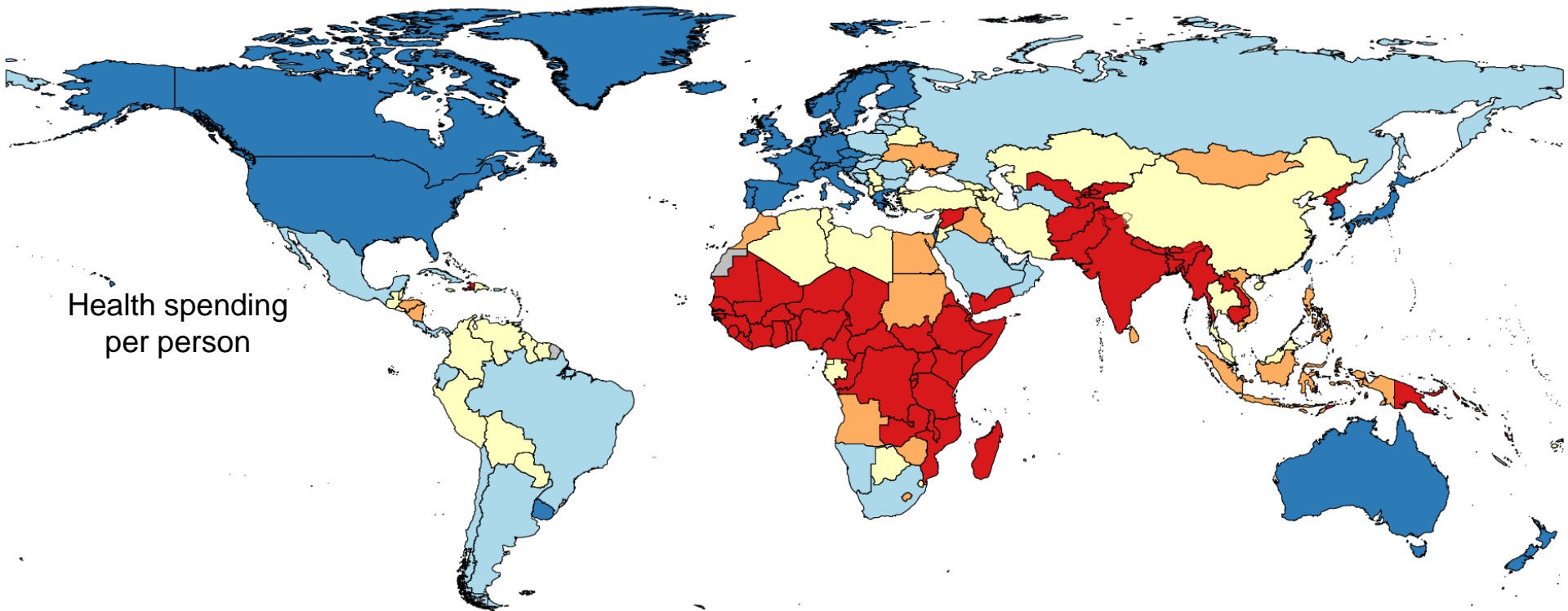
Interactive visualization: <https://vizhub.healthdata.org/fgh/>



Outline

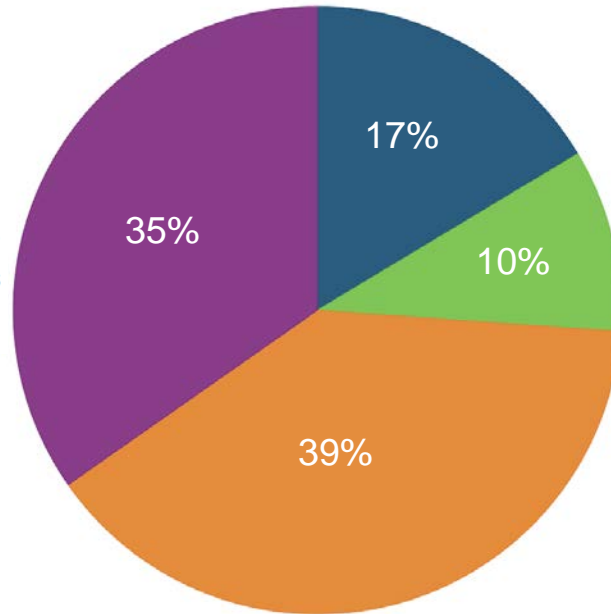
- I. Past, present, and future of **total health spending**
- II. **Development assistance for health**
- III. Disease specific health spending – **HIV/AIDS** and **malaria**
- IV. Health spending and **universal health coverage**

Total health spending, 2016 - \$8.0 trillion

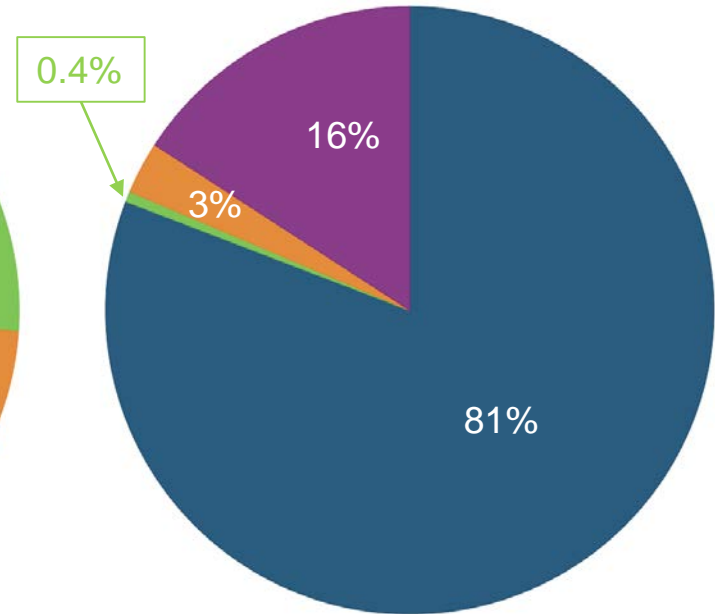


Total health spending, 2016 - \$8.0 trillion

Global population

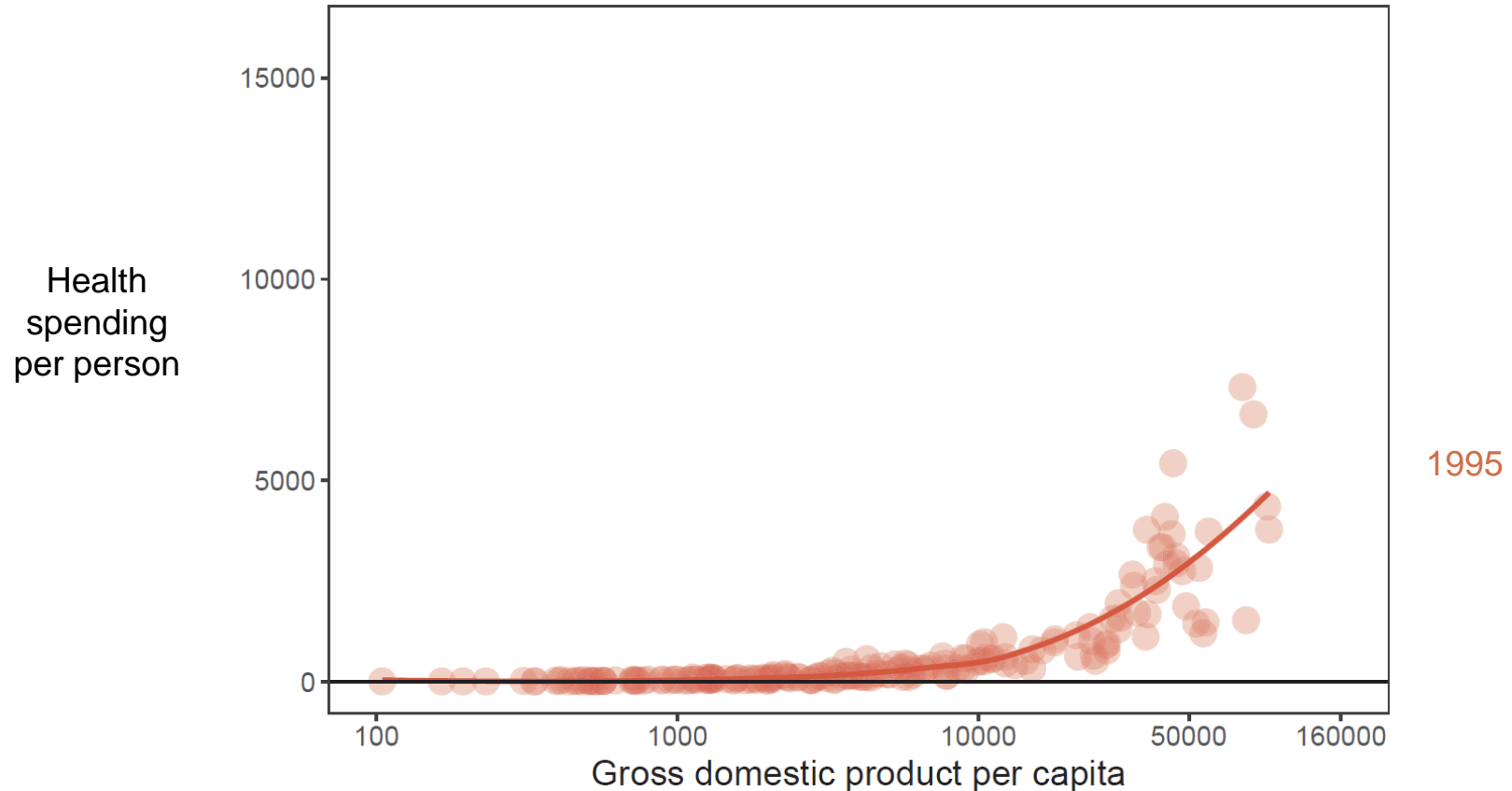


Global health spending

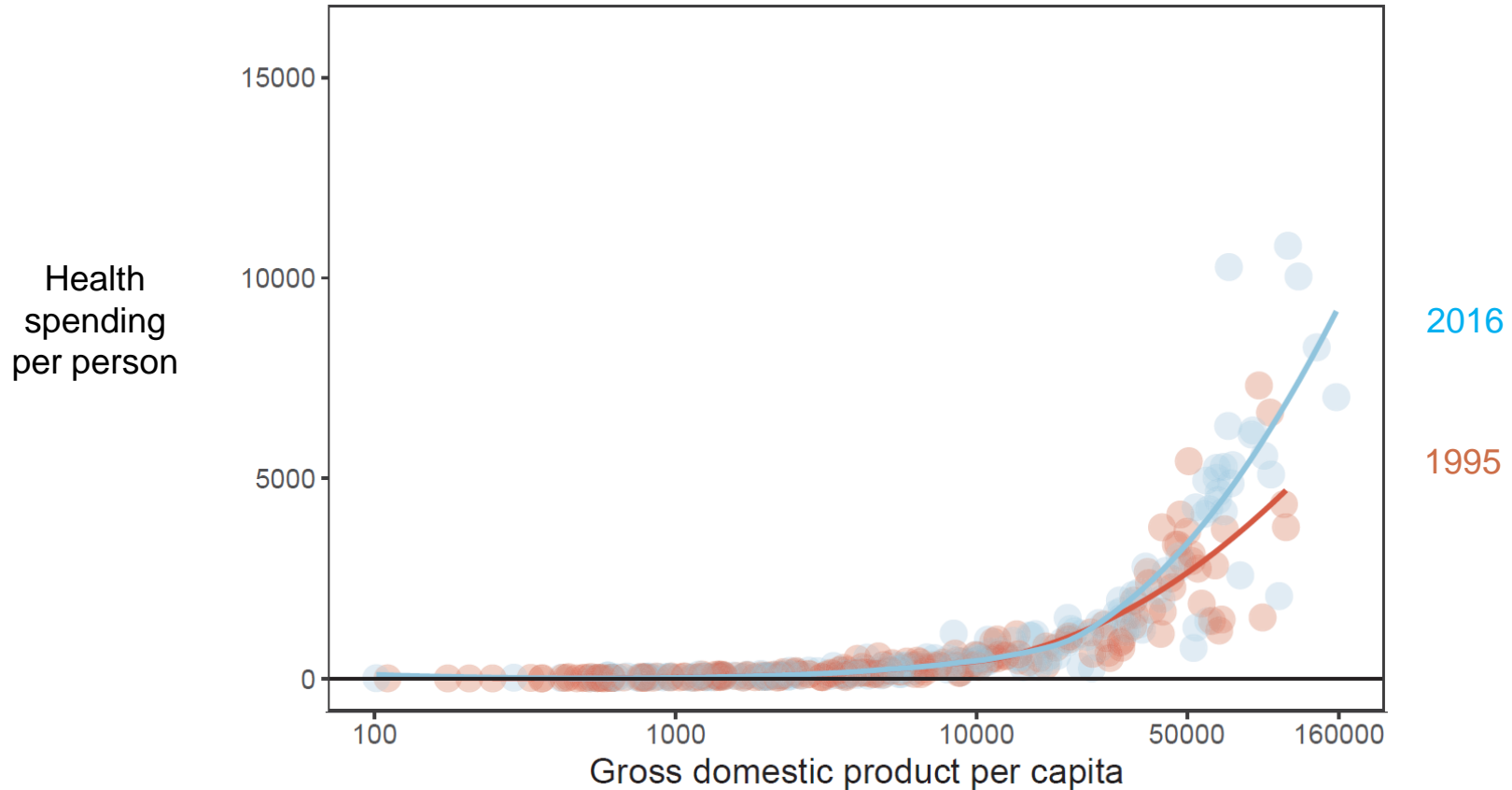


- High income countries
- Upper-middle income countries
- Lower-middle income countries
- Low income countries

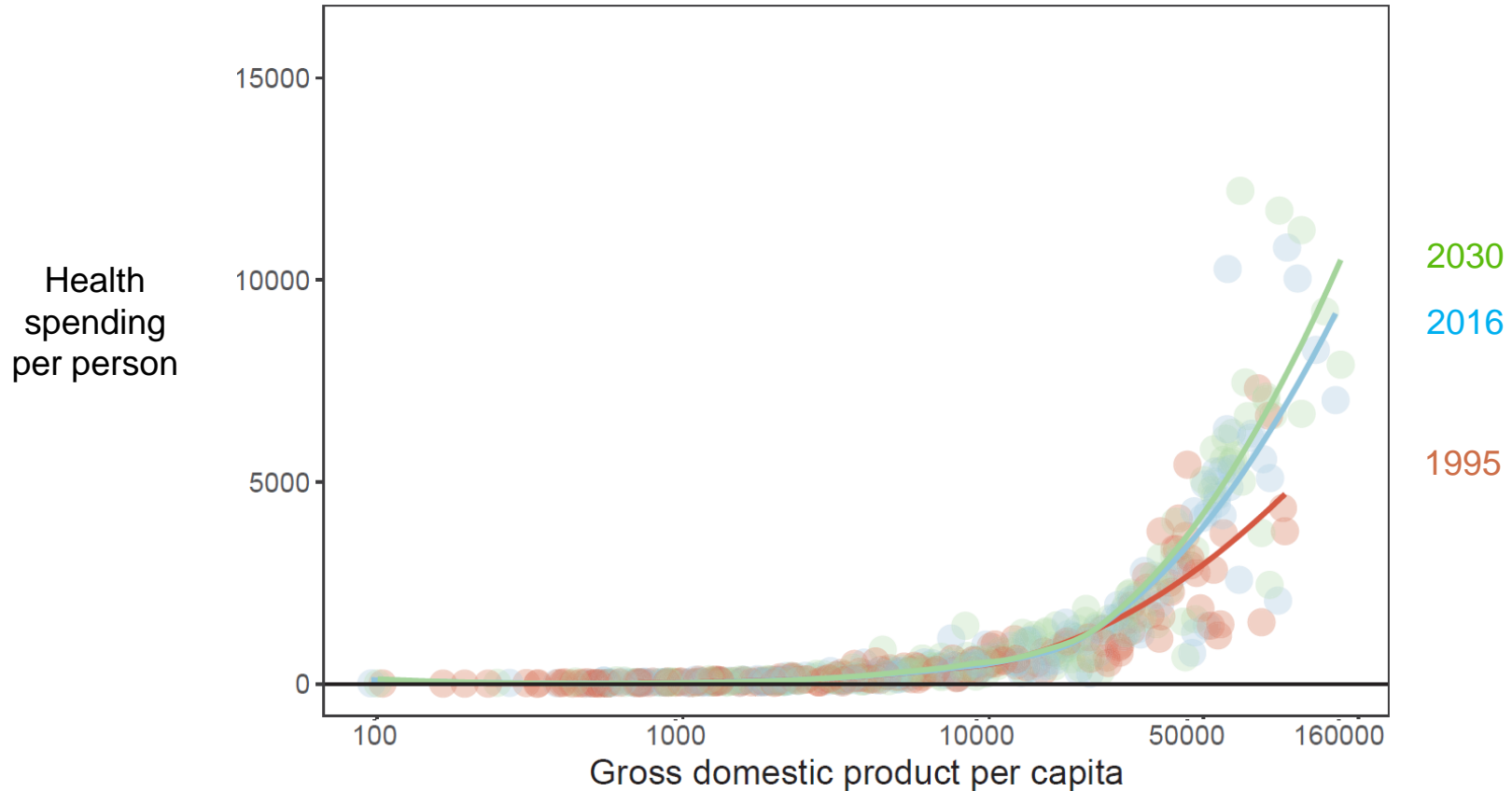
How is health spending changing?



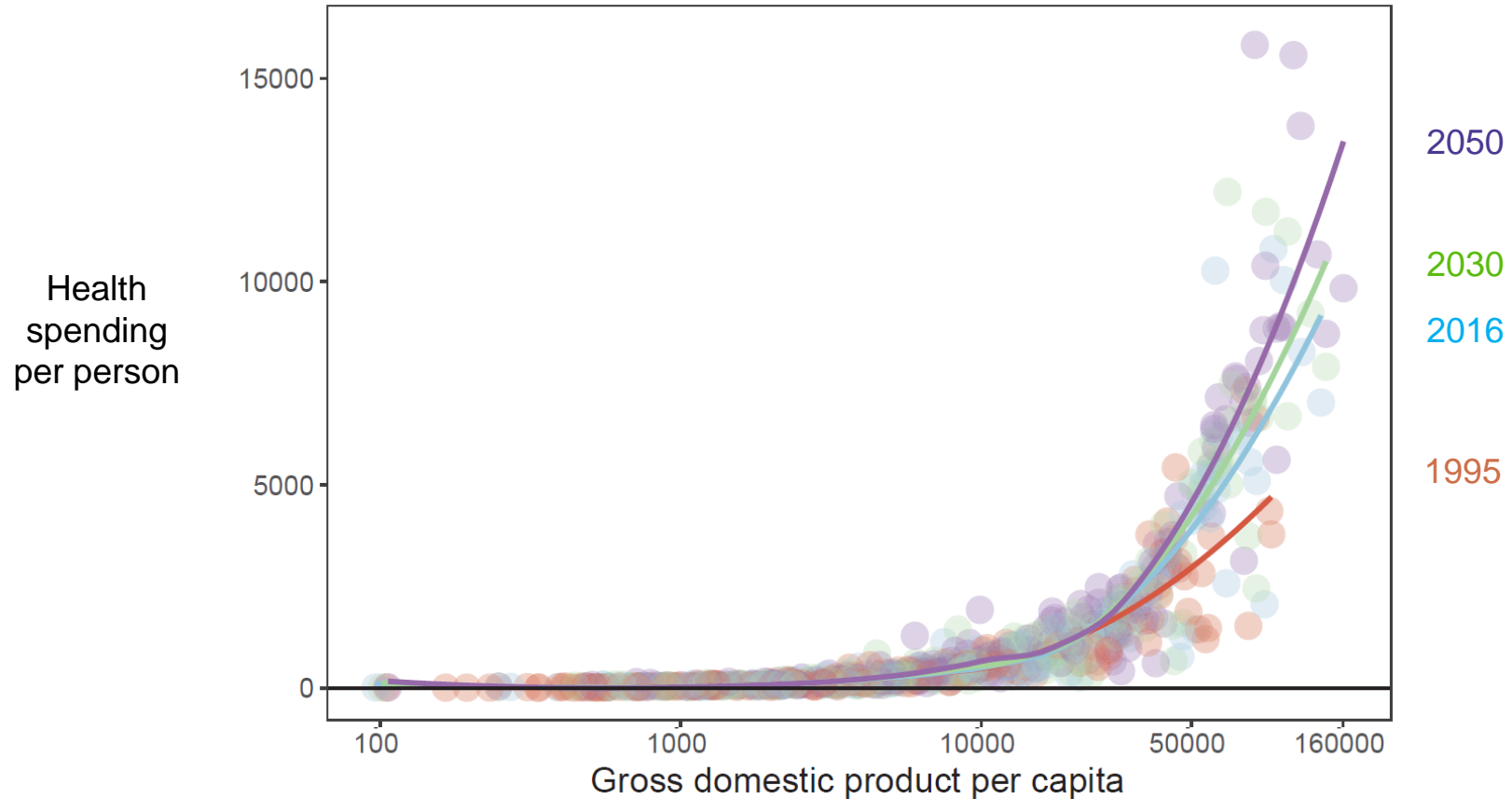
How is health spending changing?



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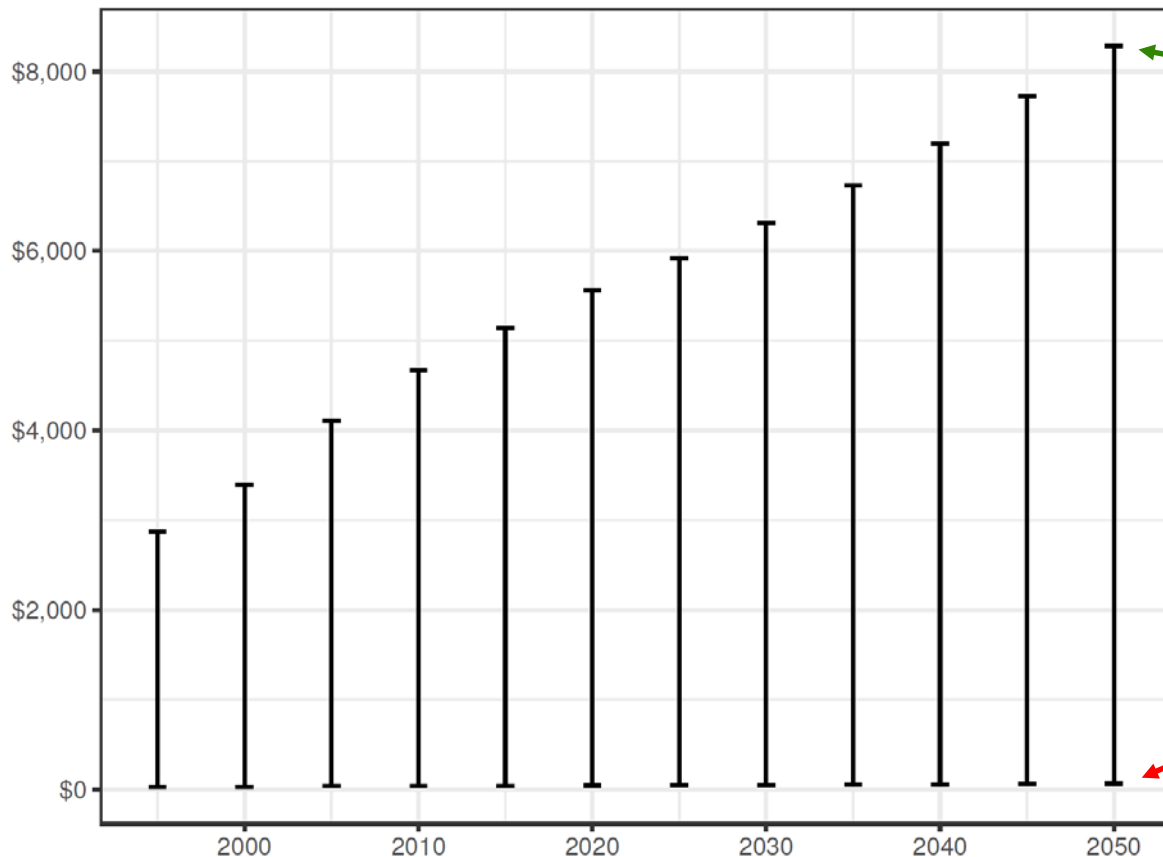


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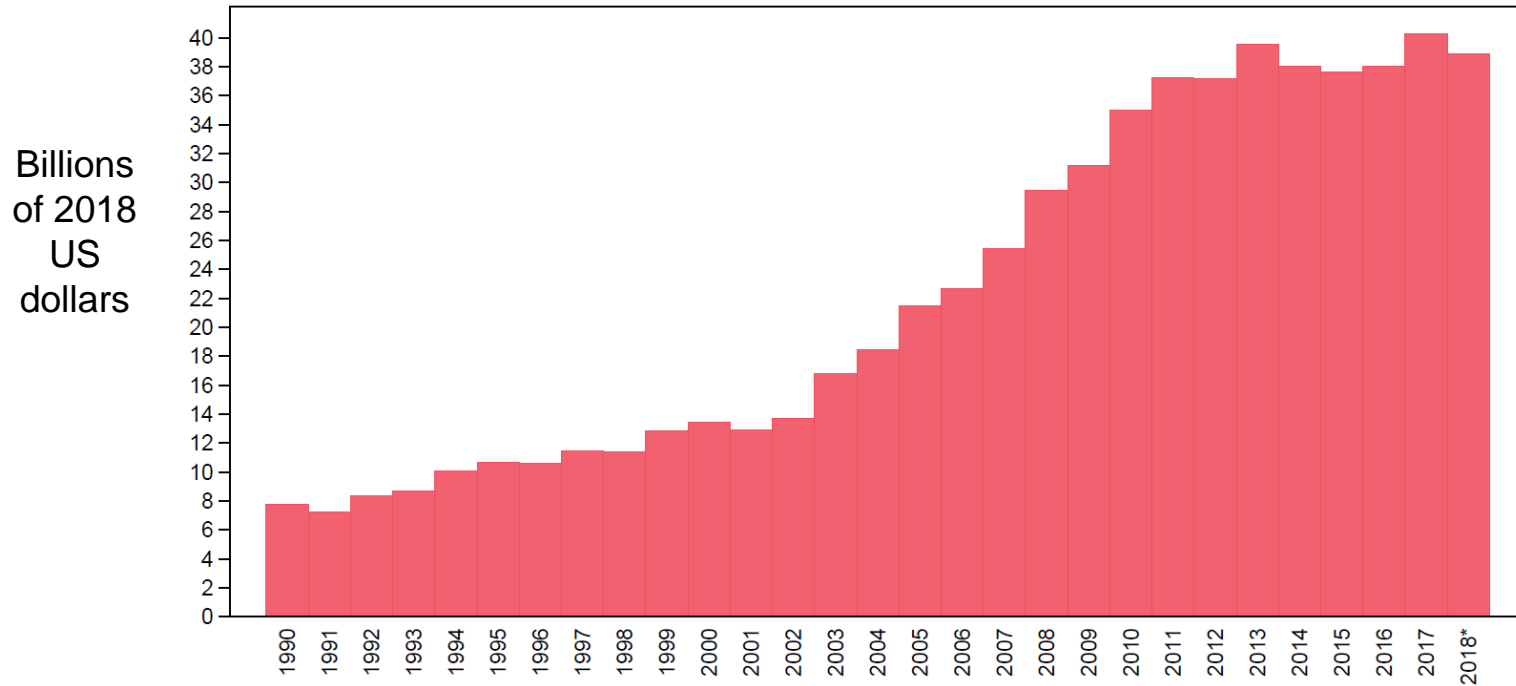
Health
spending
per person



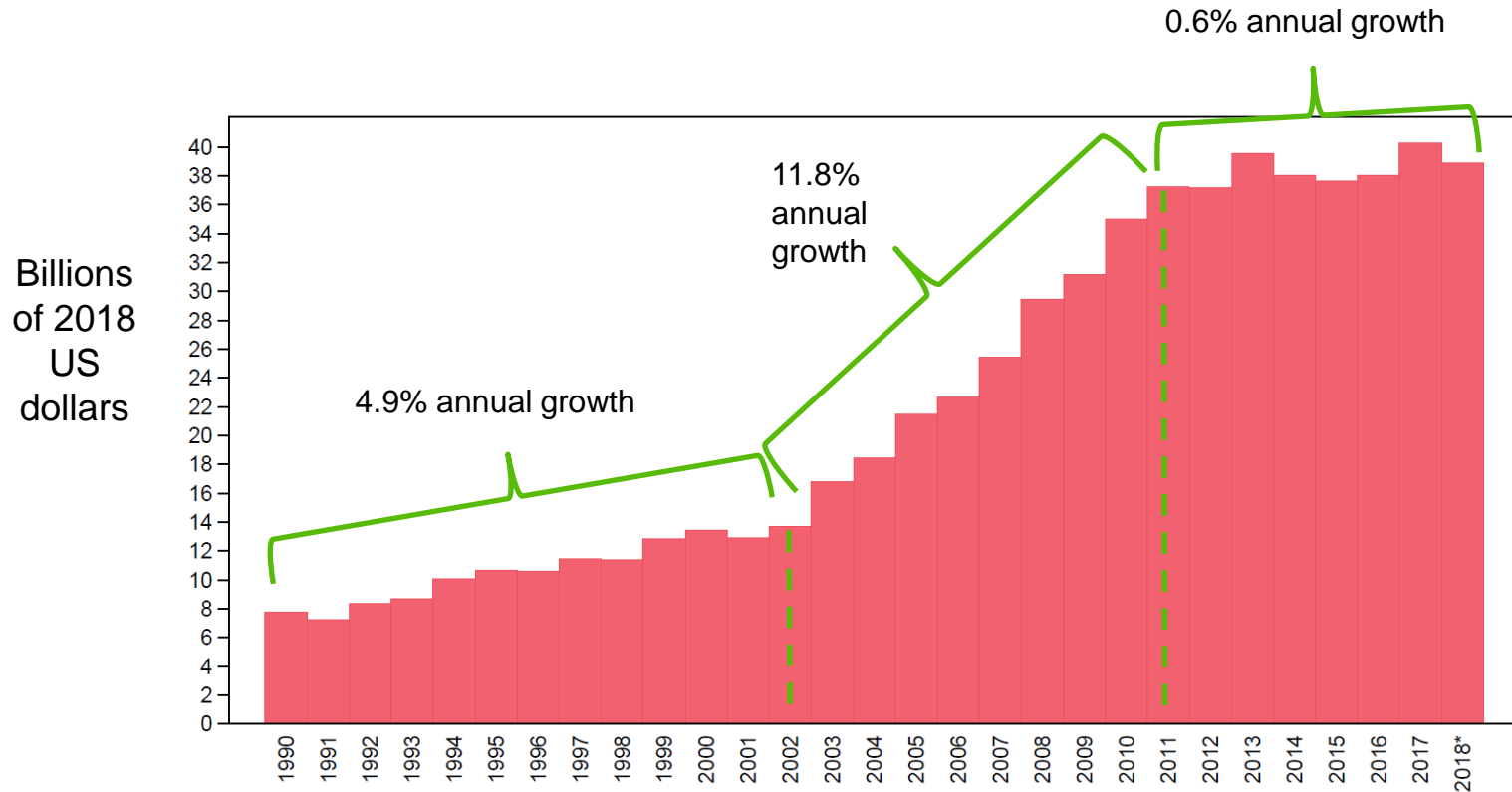
Health
spending per
person in
high-income
countries

Health
spending per
person in
low-income
countries

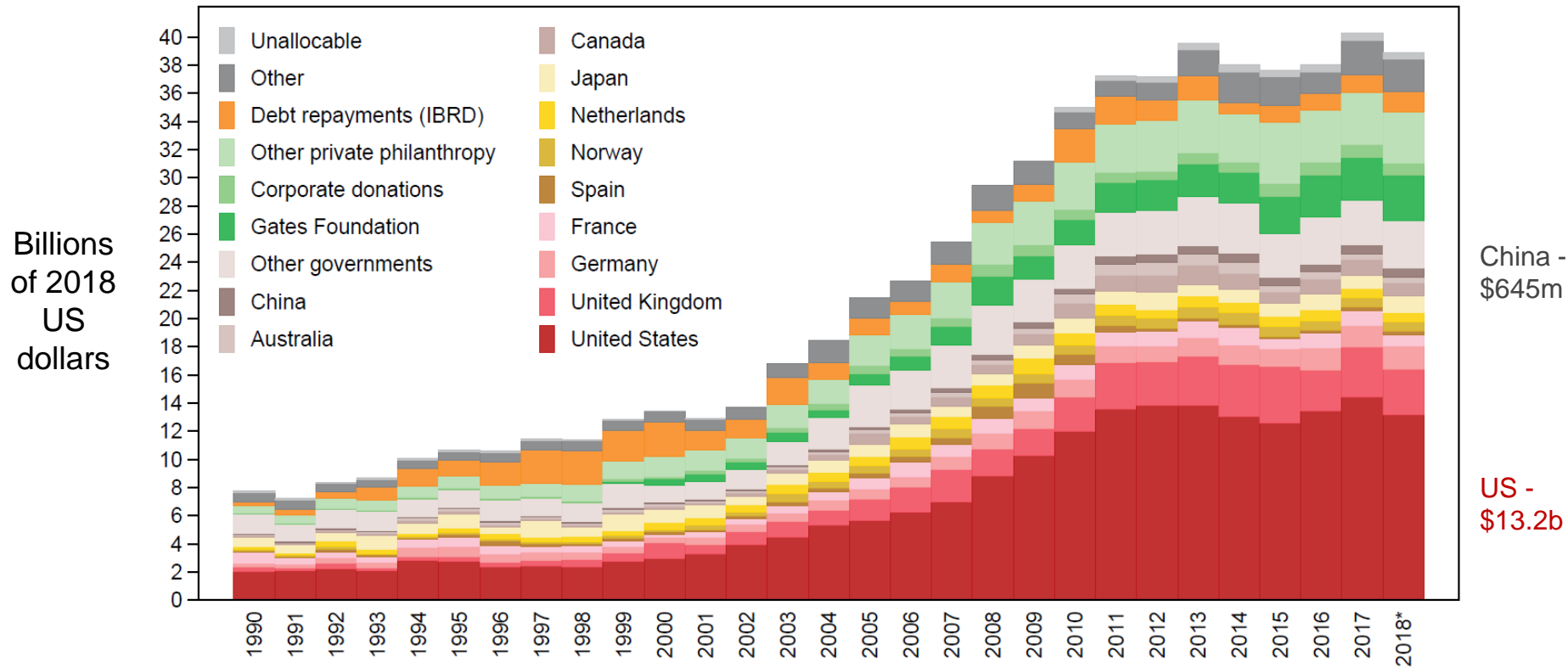
Development assistance for health - \$38.9 billion



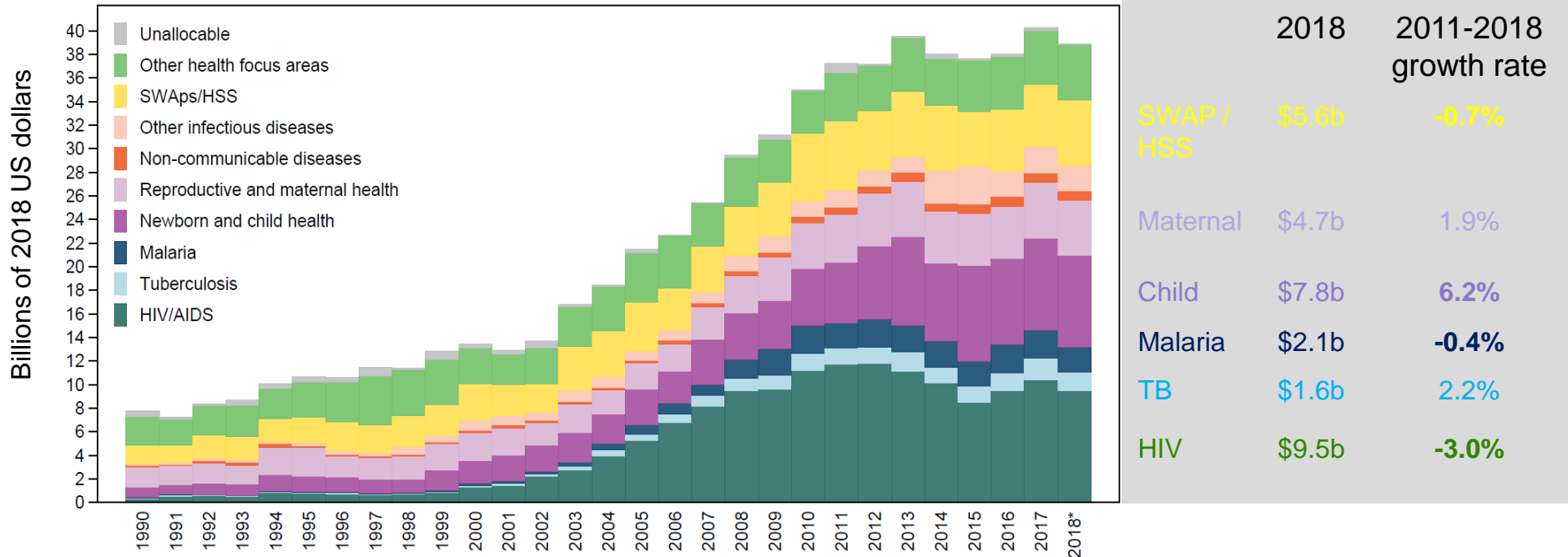
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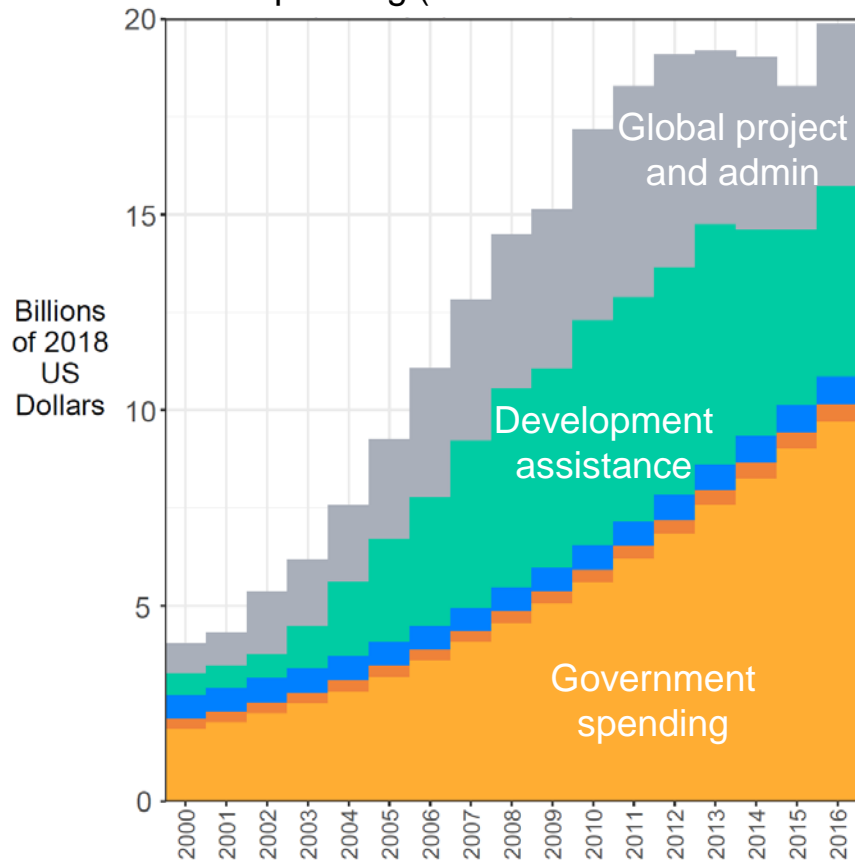


Development assistance for health - \$38.9 billion

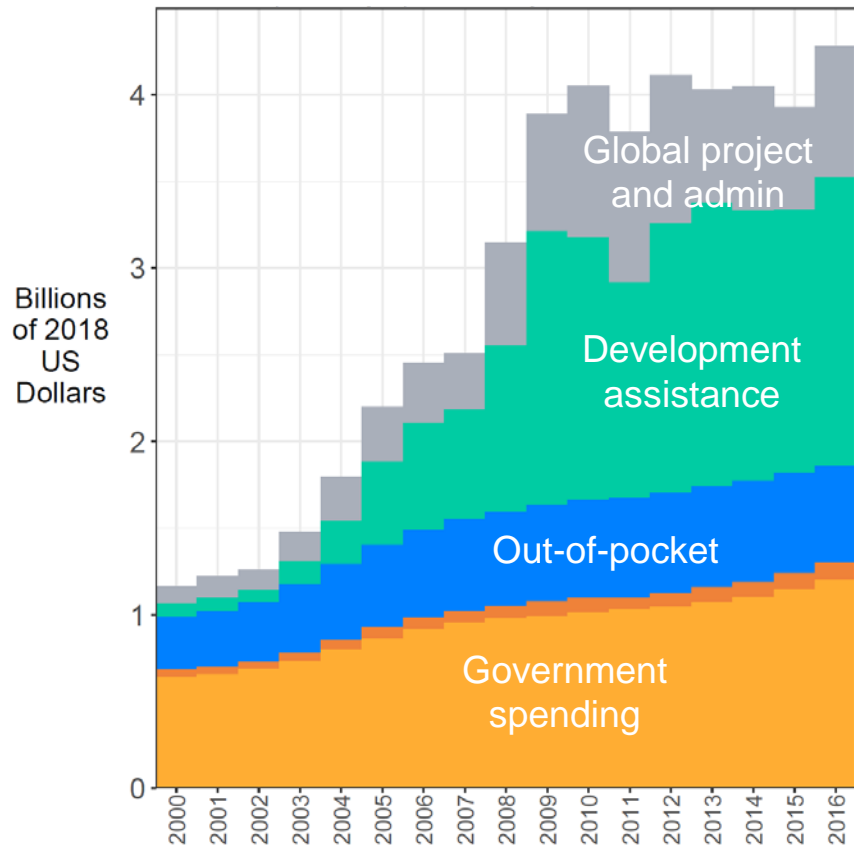


HIV/AIDS and malaria spending

HIV/AIDS spending (low- and middle-income countries)



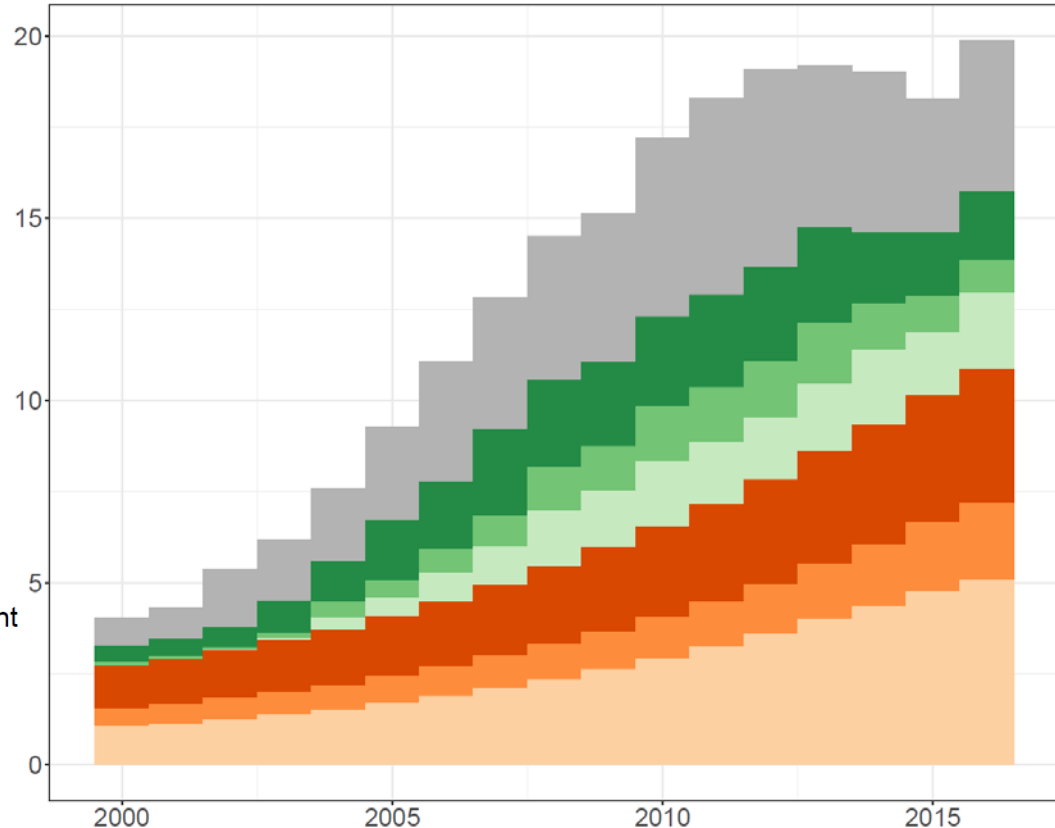
Malaria spending (106 endemic countries)



HIV/AIDS spending - \$19.9b in low- and middle-income

1. Treatment and prevention by financing source

Billions of
2018 US
dollars

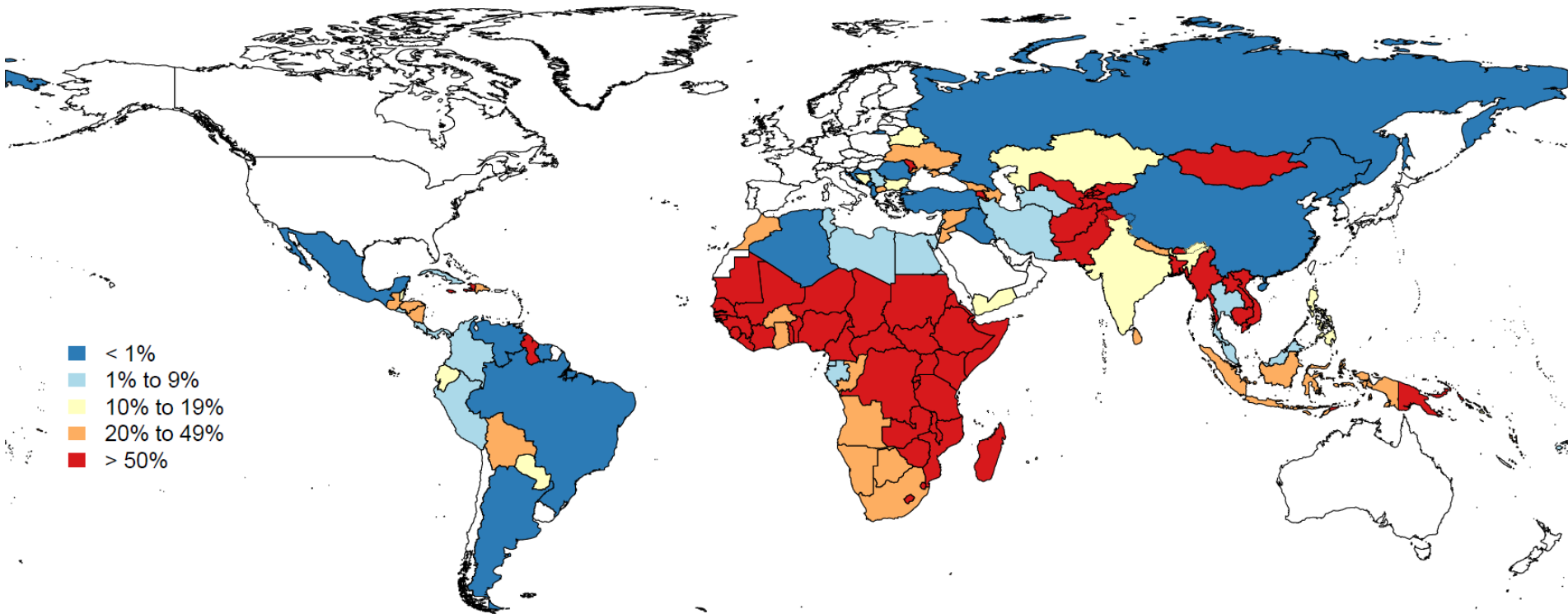


Donor
funding

Domestic
funding

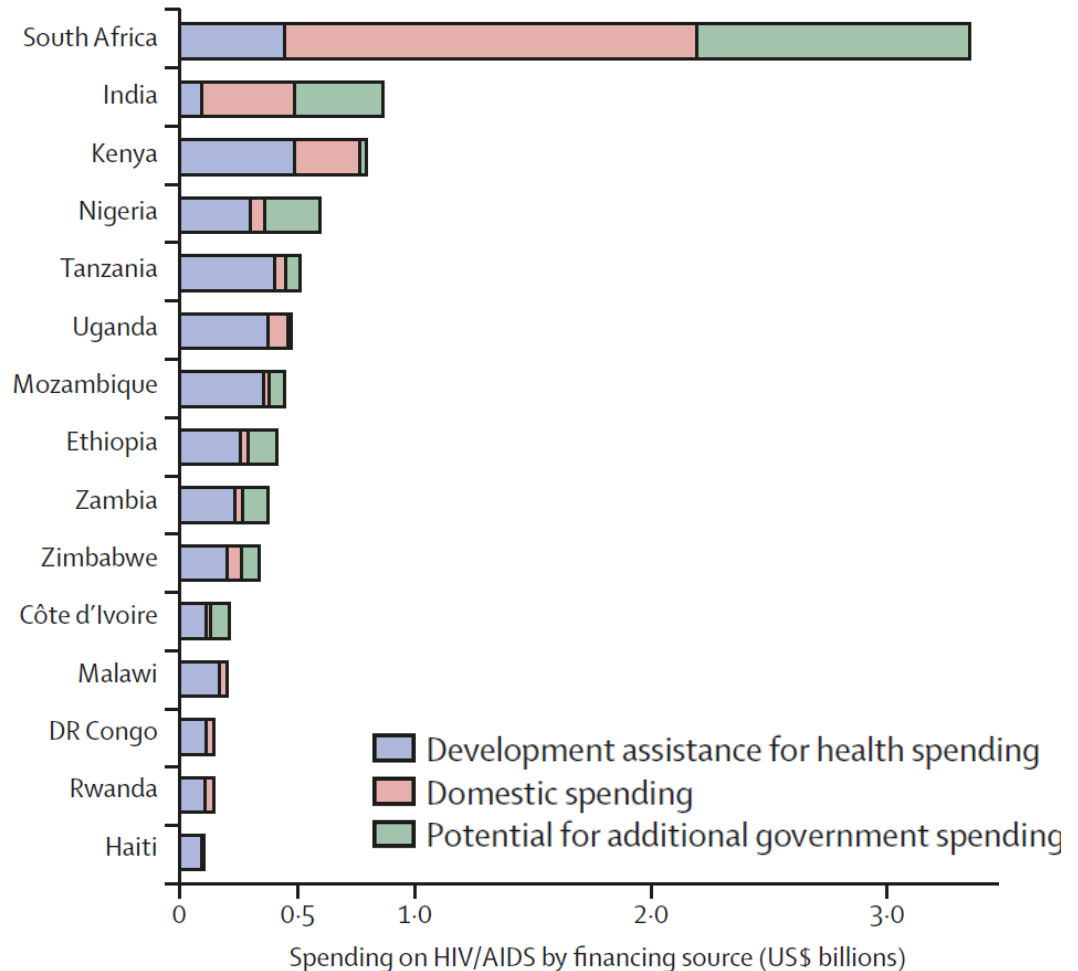
HIV/AIDS spending - \$19.9b in low- and middle-income

2. Percent of HIV/AIDS spending from DAH, 2016



HIV/AIDS spending –

3. Measuring the *potential for additional* government, 2016



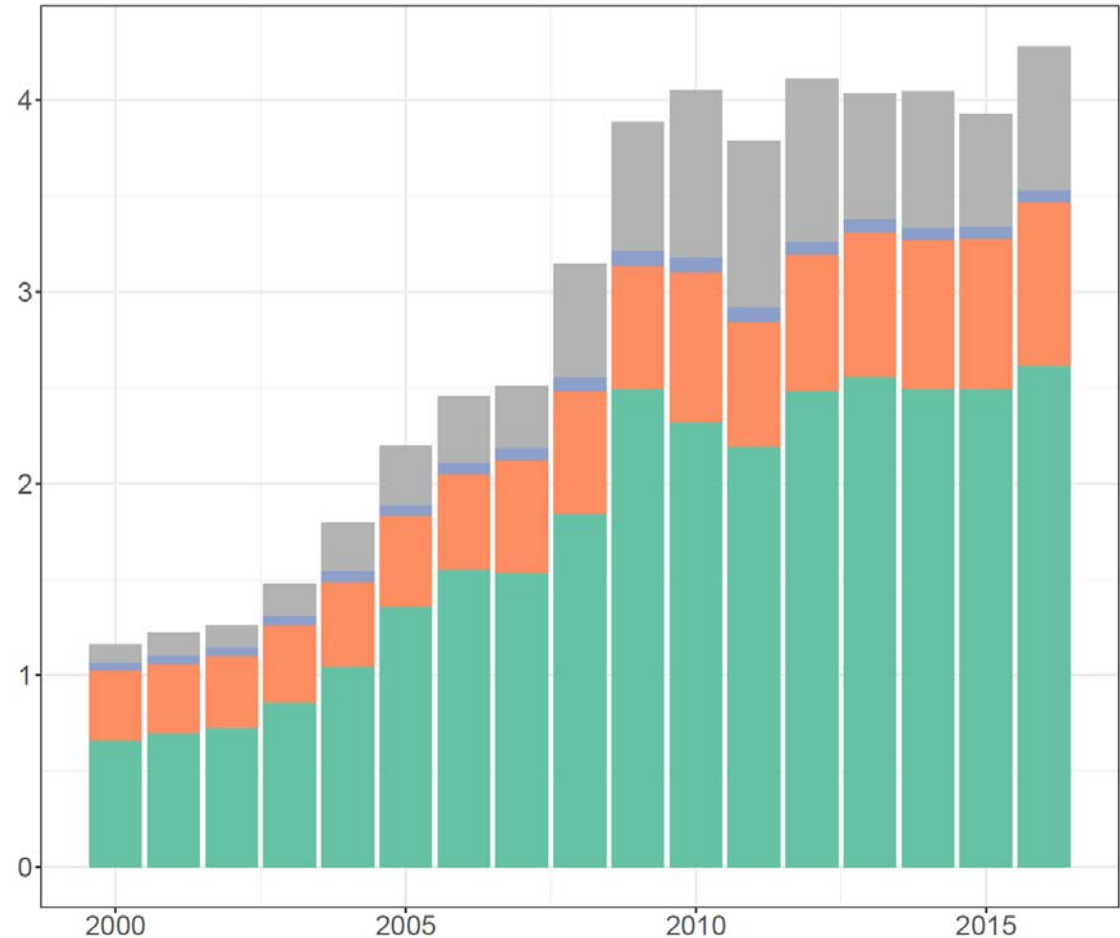
Malaria spending –

1. Malaria spending by elimination status, 2016

Billions of
2018 US
dollars

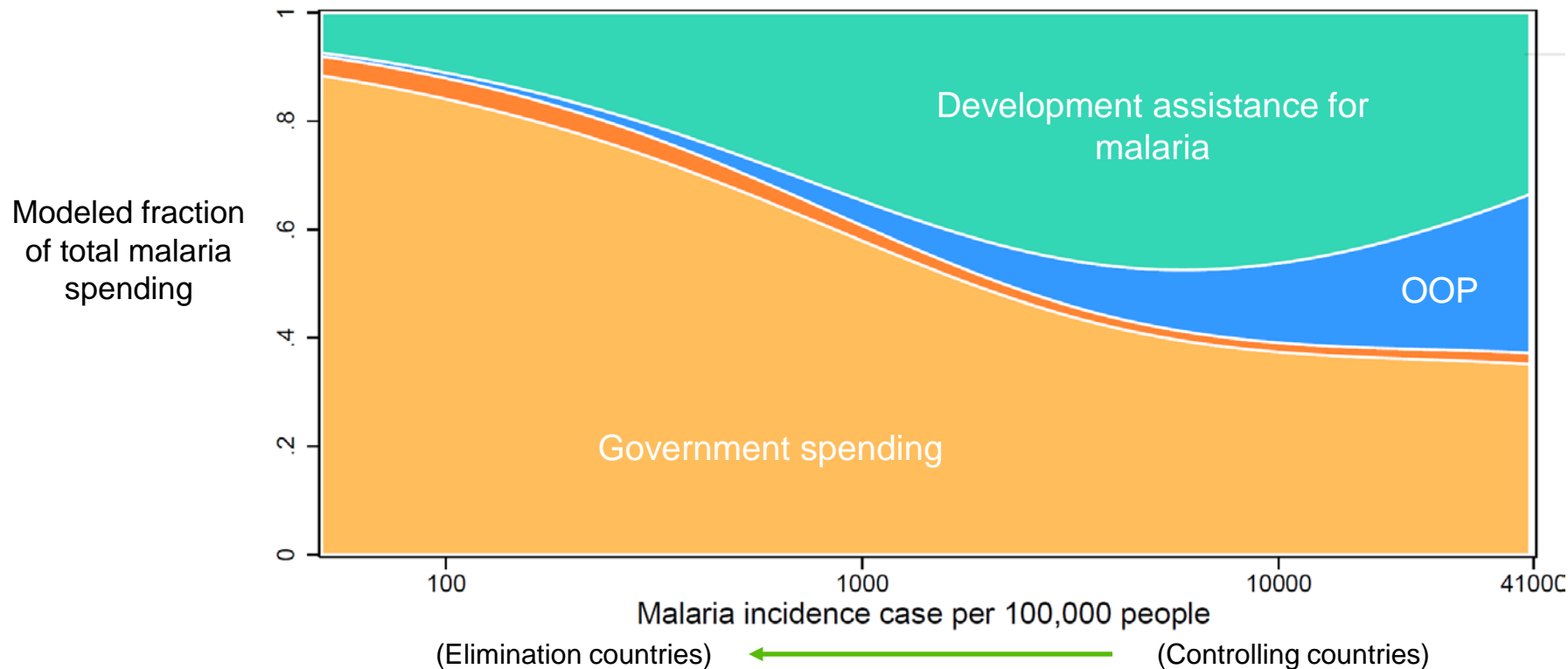
Elimination status

- Certified malaria-free after 2000
- Eliminating
- Controlling
- Development assistance administrative costs and global/regional projects

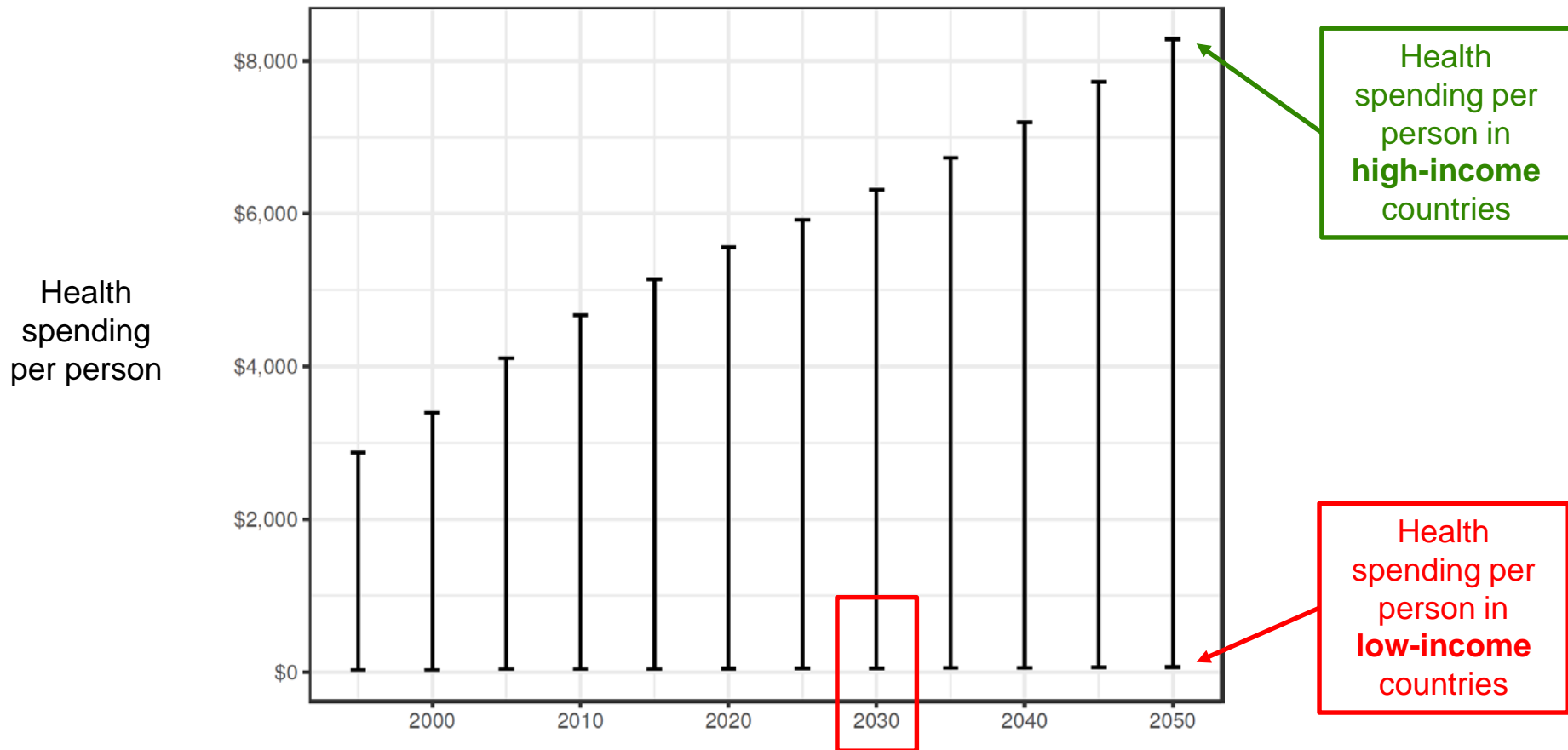


Malaria spending –

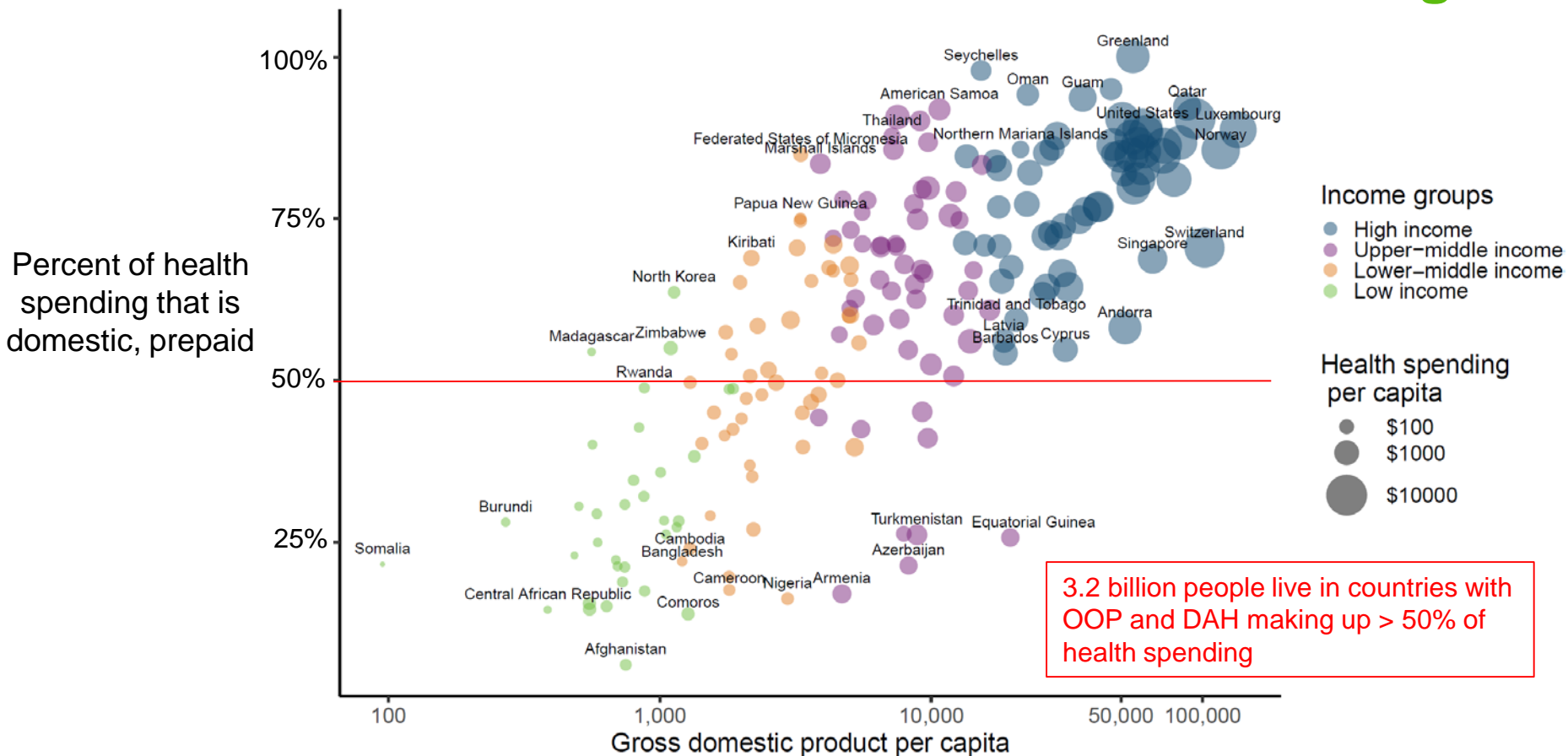
2. Malaria spending by source and incidence, 2016



What does this mean for universal health coverage?



What does this mean for universal health coverage?





Thank you

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