Financing Global Health 2018:
Past, present, and future of total and disease-specific health spending

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A huge thank you to:

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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. **JAMA VIEWPOINT**
   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/fg/h/
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
- High income countries: 35%
- Upper-middle income countries: 17%
- Lower-middle income countries: 39%
- Low income countries: 10%

Global health spending
- High income countries: 81%
- Upper-middle income countries: 16%
- Lower-middle income countries: 3%
- Low income countries: 0.4%
How is health spending changing?

Gross domestic product per capita
How is health spending changing?

Gross domestic product per capita

Health spending per person

1995

2016
How is health spending changing?

Health spending per person vs. Gross domestic product per capita.
How is health spending changing?

![Graph showing health spending per person vs. gross domestic product per capita with data points for 1995, 2016, 2030, and 2050.](image)
How is health spending changing?

Health spending per person in high-income countries

Health spending per person in low-income countries
Development assistance for health - $38.9 billion

Billions of 2018 US dollars
Development assistance for health - $38.9 billion

- 4.9% annual growth
- 11.8% annual growth
- 0.6% annual growth
Development assistance for health - $38.9 billion

Billions of 2018 US dollars

China - $645m
US - $13.2b
Development assistance for health - $38.9 billion

2011-2018 growth rate

<table>
<thead>
<tr>
<th>Category</th>
<th>2018</th>
<th>2011-2018 Growth Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWAP / HSS</td>
<td>$5.6b</td>
<td>-0.7%</td>
</tr>
<tr>
<td>Maternal</td>
<td>$4.7b</td>
<td>1.9%</td>
</tr>
<tr>
<td>Child</td>
<td>$7.8b</td>
<td>6.2%</td>
</tr>
<tr>
<td>Malaria</td>
<td>$2.1b</td>
<td>-0.4%</td>
</tr>
<tr>
<td>TB</td>
<td>$1.6b</td>
<td>2.2%</td>
</tr>
<tr>
<td>HIV</td>
<td>$9.5b</td>
<td>-3.0%</td>
</tr>
</tbody>
</table>
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
HIV/AIDS spending - $19.9b in low- and middle-income

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?

Health spending per person in high-income countries

Health spending per person in low-income countries
What does this mean for universal health coverage?

Percent of health spending that is domestic, prepaid

3.2 billion people live in countries with OOP and DAH making up > 50% of health spending.
Thank you
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