

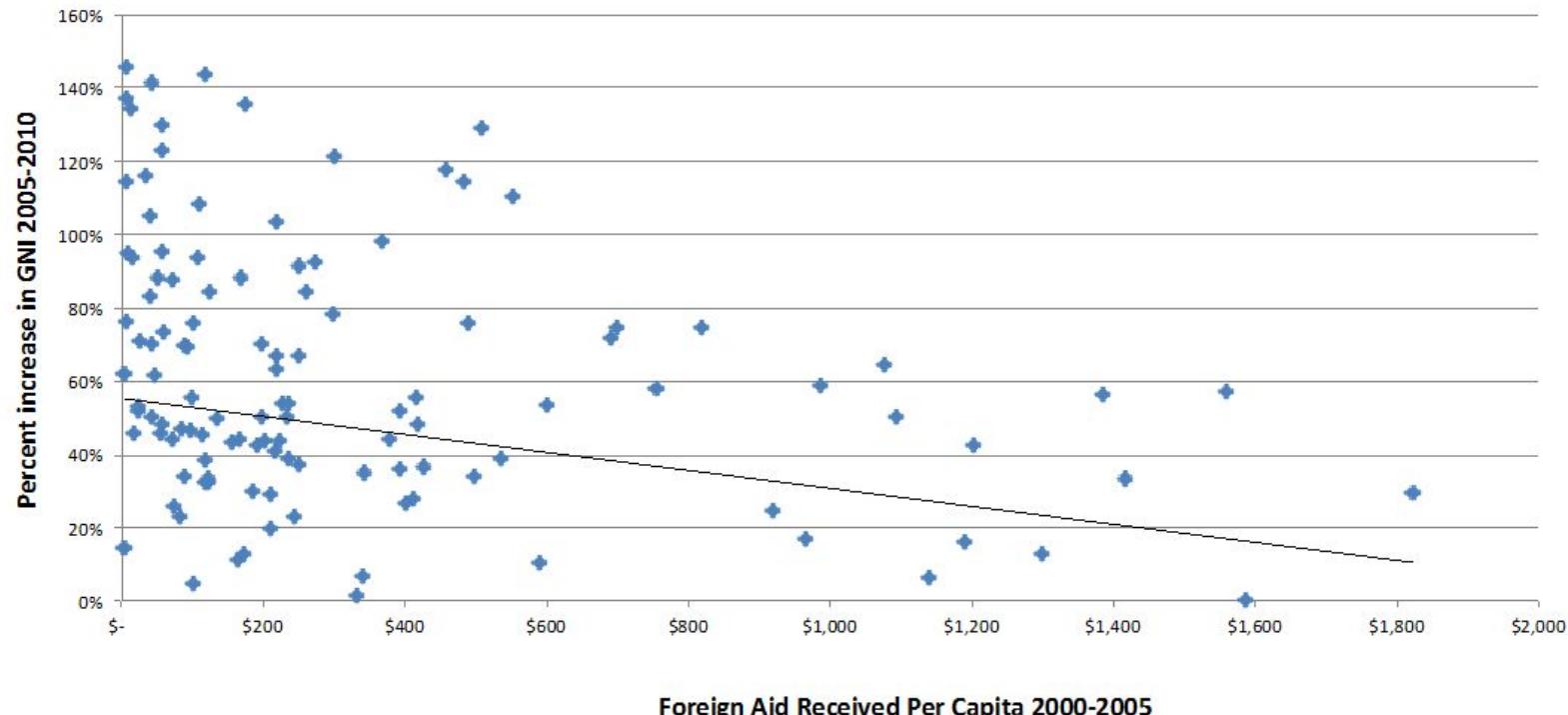
Economics Nobel Prize 2019

Awarded to Abhijit Banerjee, Esther Duflo and Michael Kremer
for their experimental approach to alleviating global poverty

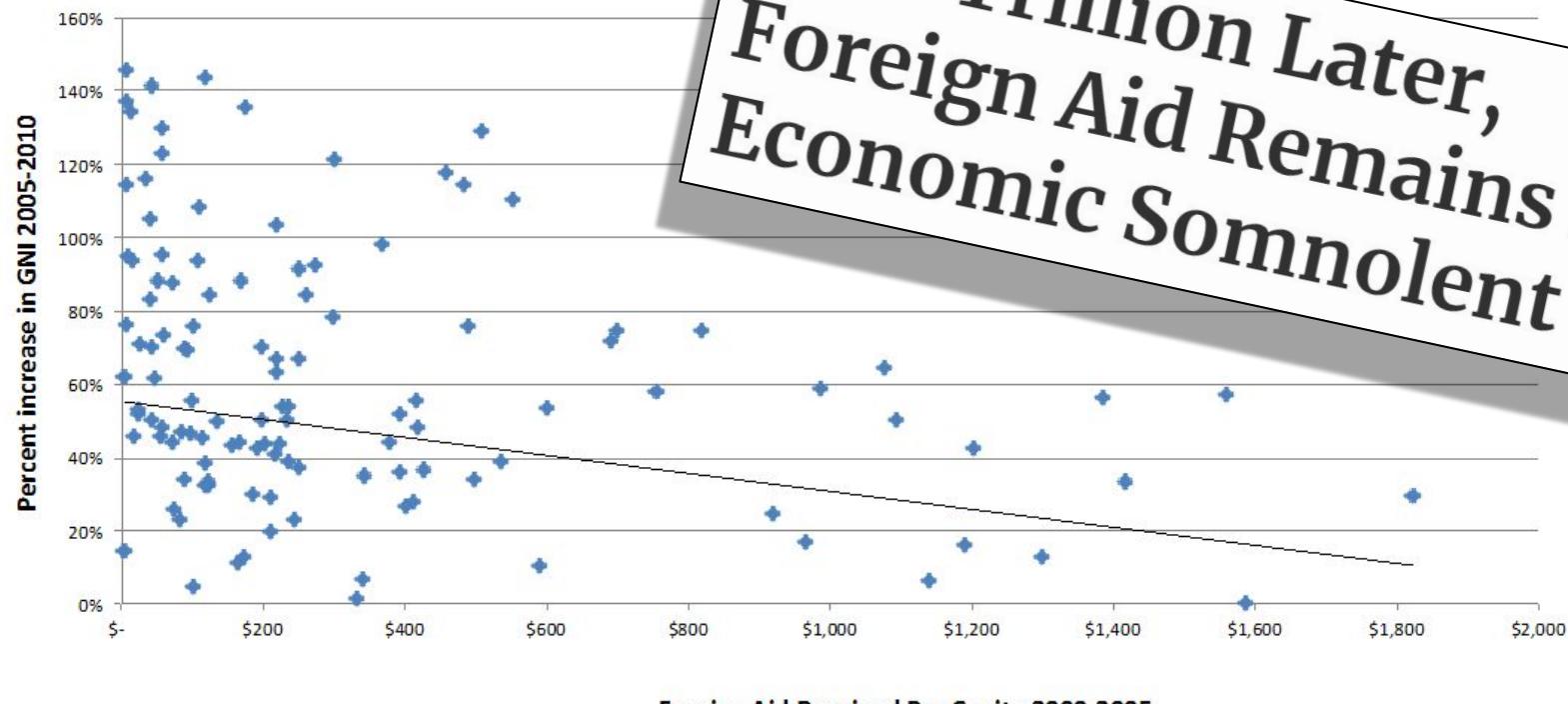
Presented by José Vila-Belda
Research Manager
Department of Economics
University of Zurich

Foreign Aid per Capita (2000-2005) and Economic Growth (2005-2010)
for 131 Developing Countries

Forbes

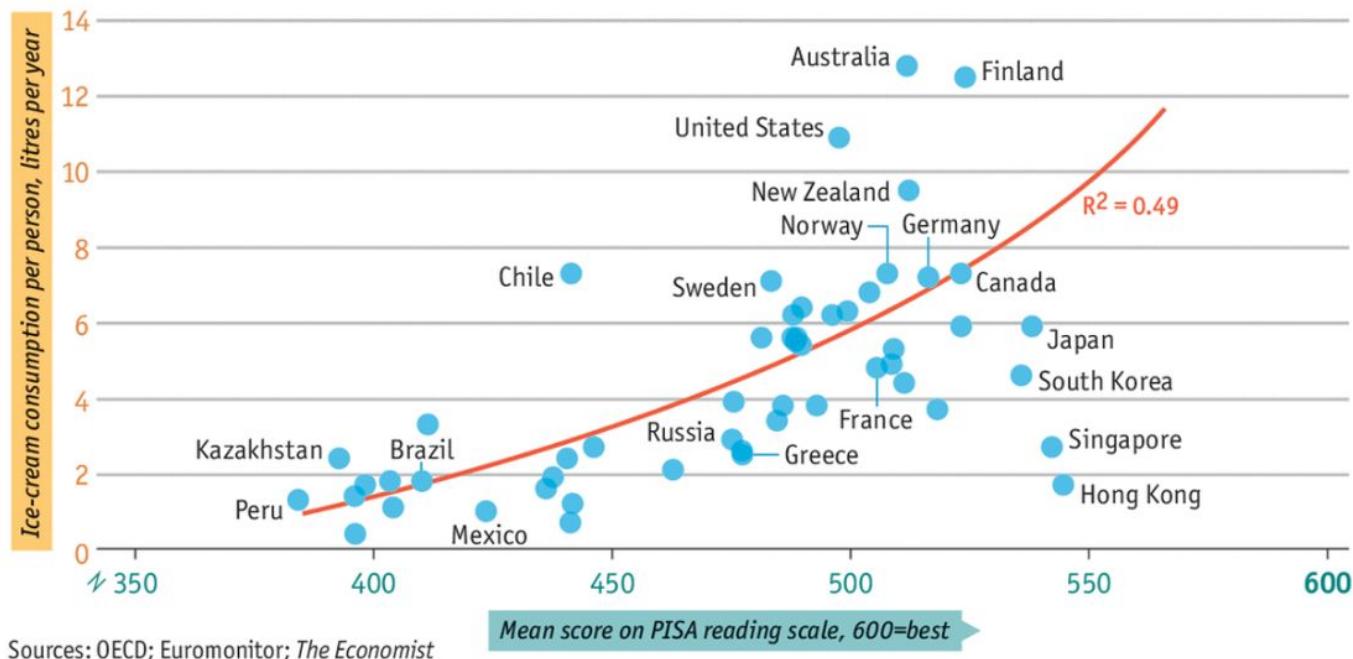


Source: Data from OECD Factbook 2011-2012 Doi: 10.1787/factbook-2011-2012

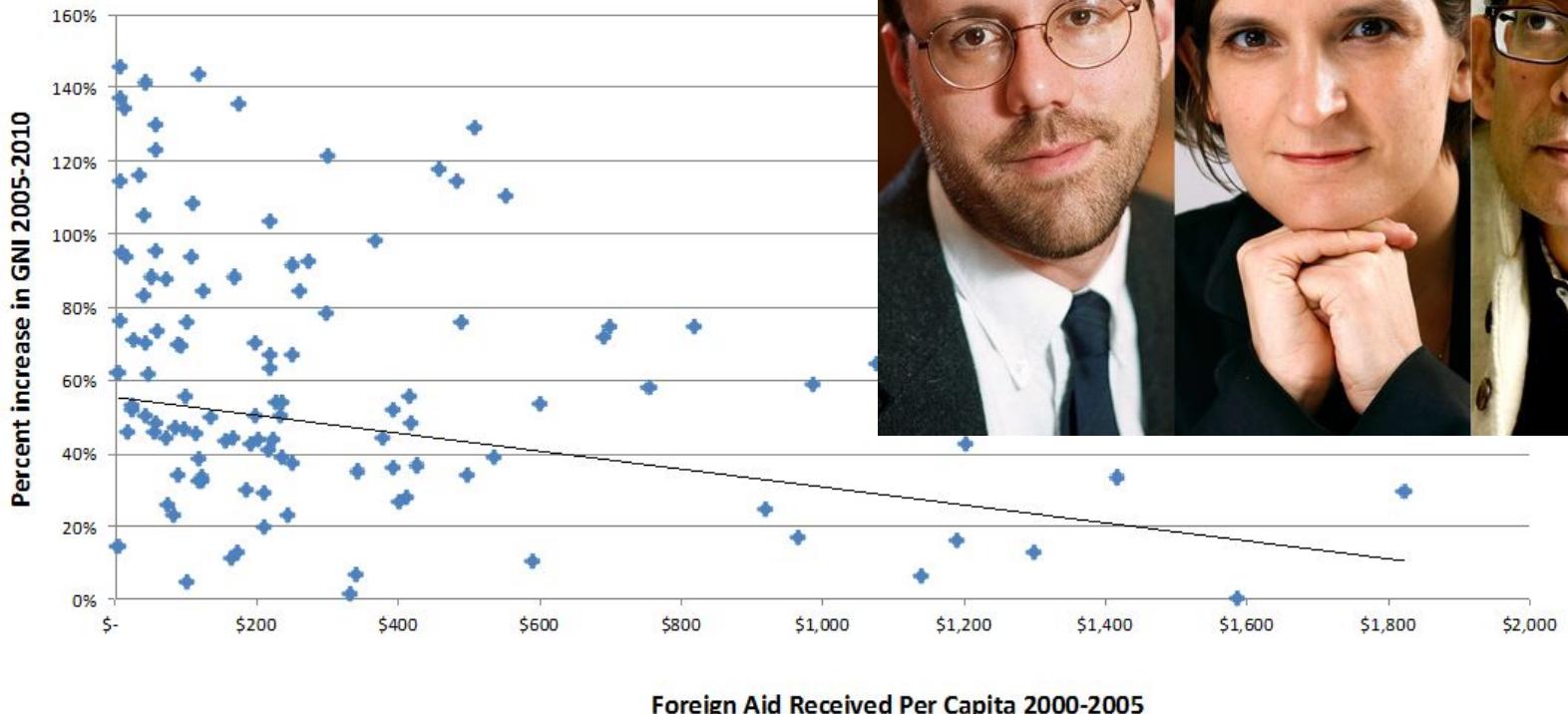


Ice-cream consumption and PISA educational performance scores

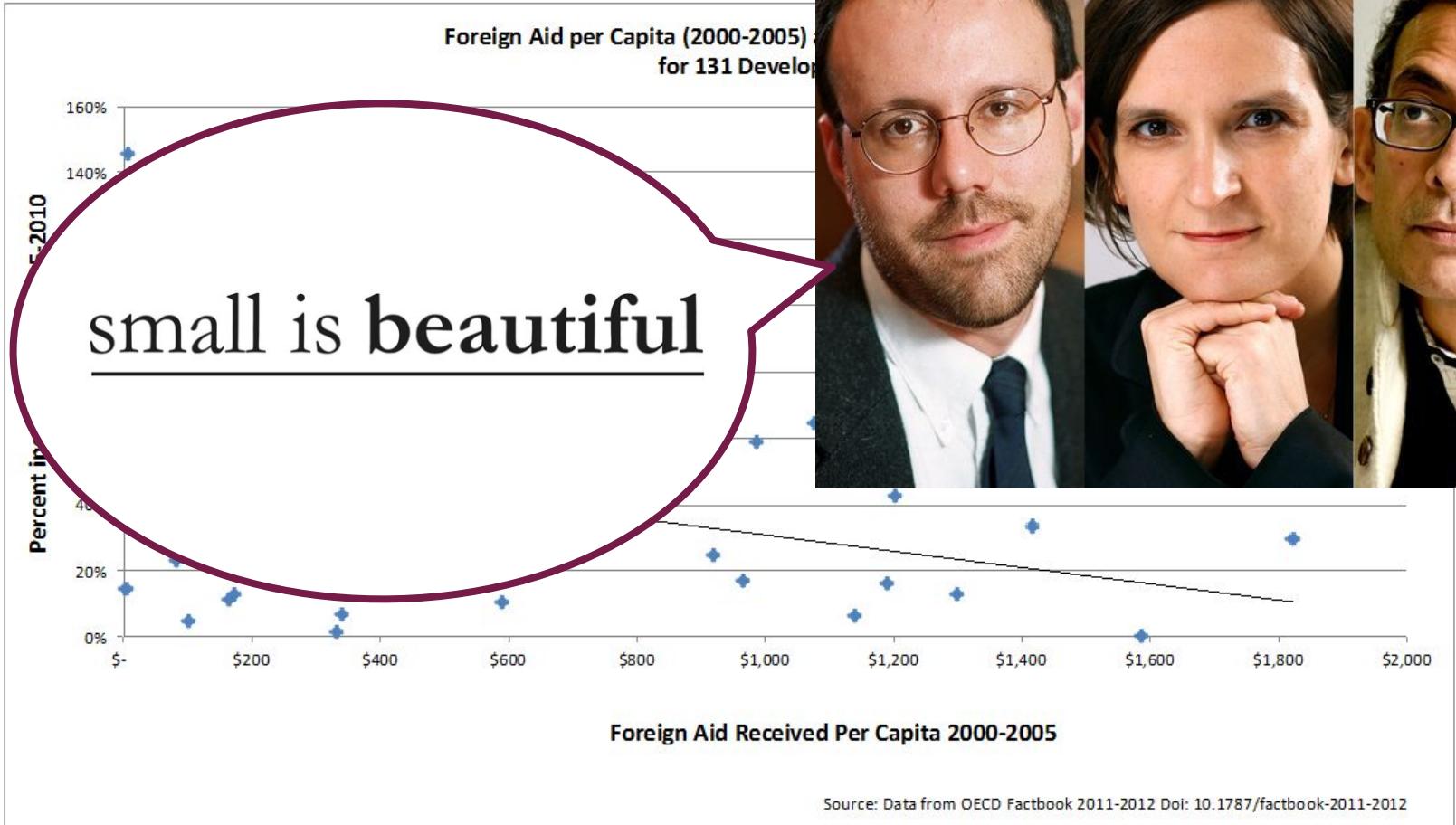
2012



Foreign Aid per Capita (2000-2005)
for 131 Developing Countries



Source: Data from OECD Factbook 2011-2012 Doi: 10.1787/factbook-2011-2012





The Case of Malaria Prevention



The Anopheles Mosquito

2018:
228 million cases of malaria
405,000 deaths caused by it

Insecticide-treated bednets:



Insecticide-treated bednets: **effective but low coverage**



Insecticide-treated bednets: **effective but low coverage**



How can bednet use be expanded?

How can bednet use be expanded?

Policy option 1:
Free distribution

Policy option 2:
Cost-sharing

How can bednet use be expanded?

Policy option 1:
Free distribution

Policy option 2:
Cost-sharing

1. Use

How can bednet use be expanded?

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Policy option 2:
Cost-sharing

1. Use



How can bednet use be expanded?

Policy option 1:
Free distribution

Policy option 2:
Cost-sharing

1. Use



2. Access



How can bednet use be expanded?

*Policy option 1:
Free distribution*

1. Use

✗ ?

2. Access

✓ ?

*Policy option 2:
Cost-sharing*

✓ ?

✗ ?

How can bednet use be expanded?

*Policy option 1:
Free distribution*

*Policy option 2:
Cost-sharing*

1. Use

✗ ?

✓ ?

2. Access

✓ ?

✗ ?

3. Cost per user

✗

✓

How can bednet use be expanded?

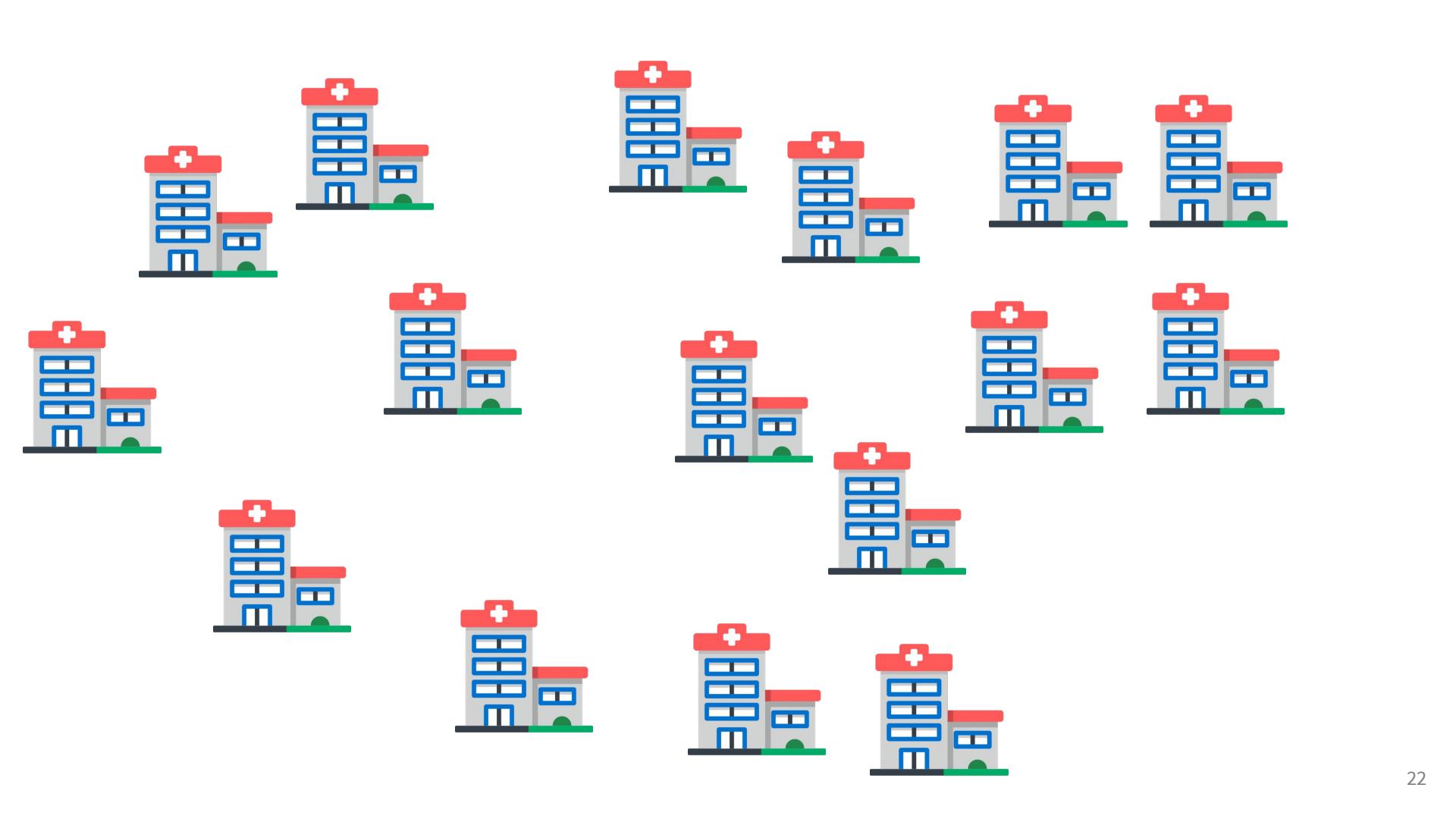
	<i>Policy option 1: Free distribution</i>	<i>Policy option 2: Cost-sharing</i>
1. Use	✗ ?	✓ ?
2. Access	✓ ?	✗ ?
3. Cost per user	✗	✓

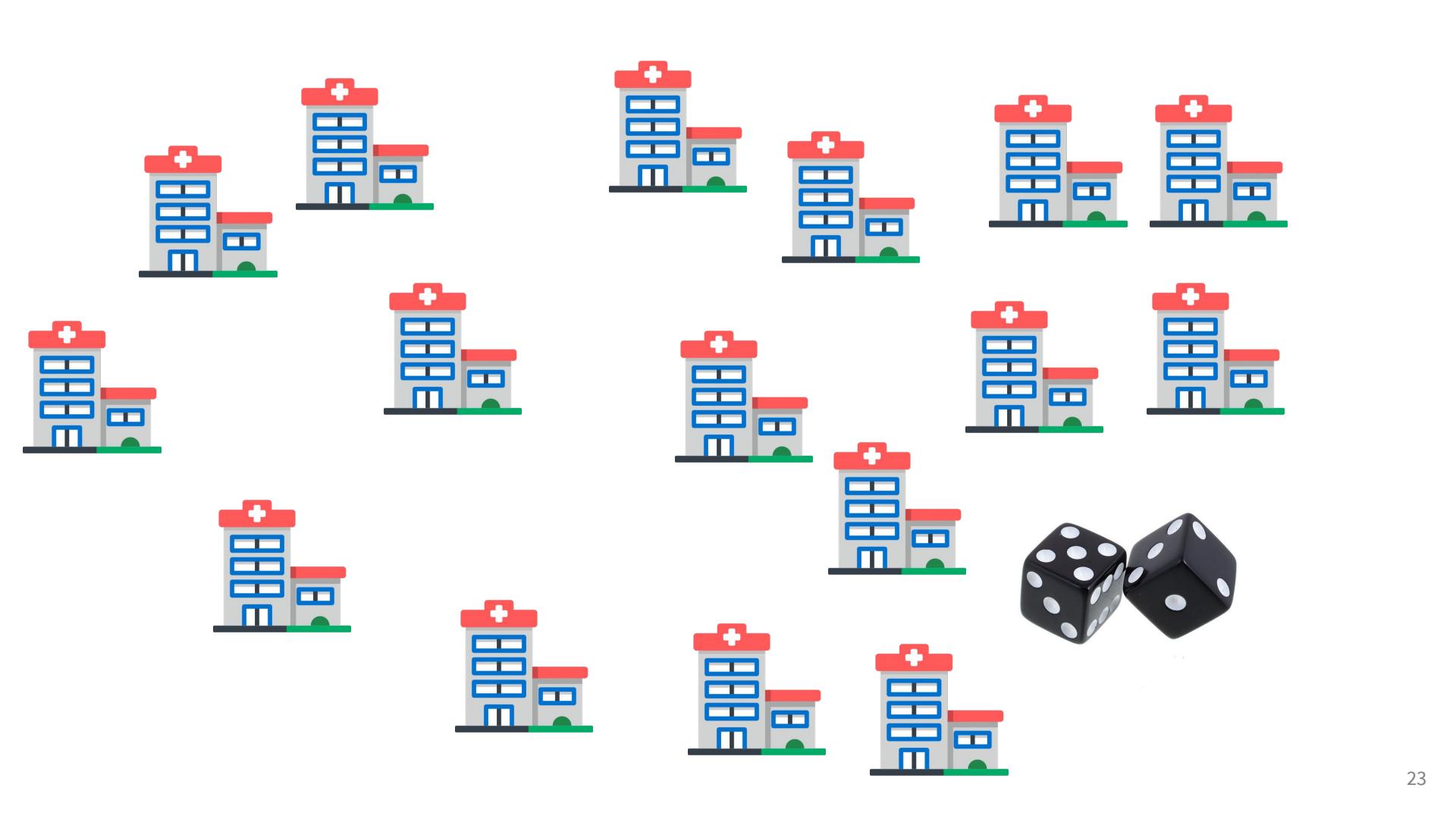
Cost-effectiveness

How can bednet use be expanded?

	<i>Policy option 1: Free distribution</i>	<i>Policy option 2: Cost-sharing</i>
1. Use	✗ ?	✓ ?
2. Access	✓ ?	✗ ?
3. Cost per user	✗	✓
Cost-effectiveness	?	?

The Experiment





1)



2)



3)



4)



Fees paid by user as % of market price

(Market price: \$7)

1) Free



2) 2.5%



3) 5%



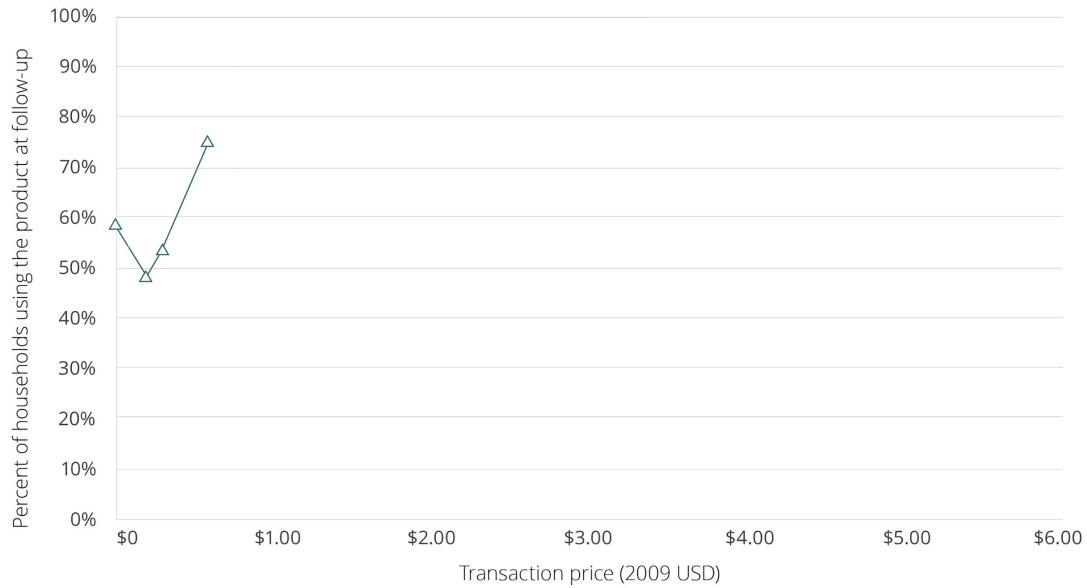
4) 10%
(\$0.70)



The Findings

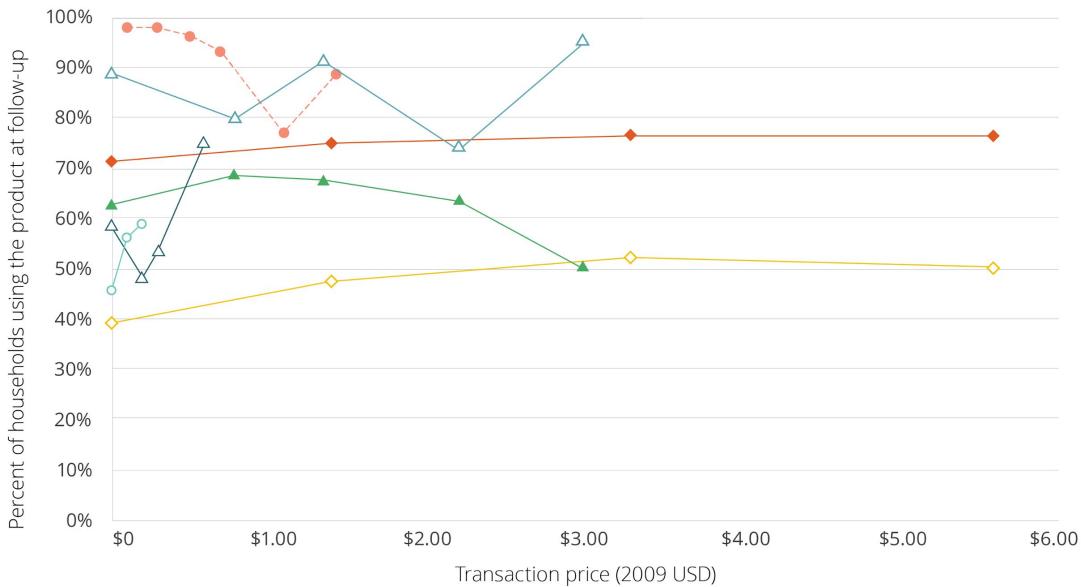
Use of Bednets

Usage rates among households that purchased or received the product



Use of Bednets

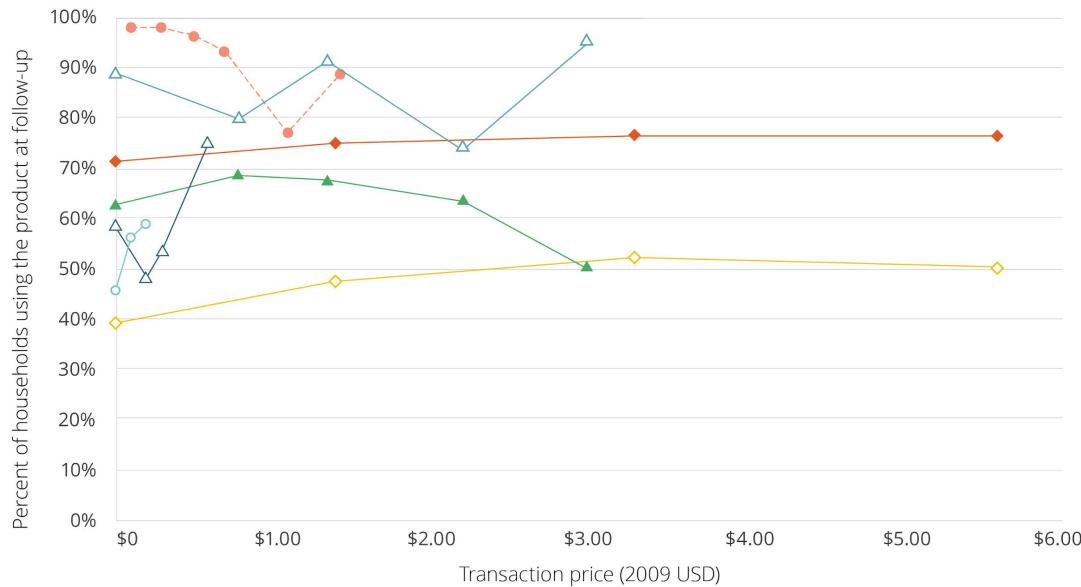
Usage rates among households that purchased or received the product



- \$1.66 slippers (Kenya 2010, 3 month follow-up) [7]
- \$7 bednets (Kenya 2007, 2 month follow-up) [9]
- \$7 bednets (Kenya 2007, 1 year follow-up) [9]
- \$7 bednets (Kenya 2007, pregnant women, 2-4 month)
- \$0.26 clorin (Zambia 2006, 2 week follow-up) [4]
- \$15 water filters (Ghana 2009, 1 month follow-up) [19]
- \$15 water filters (Ghana 2009, 1 year follow-up) [19]

Finding #1: Fees Do Not Substantially Promote Use

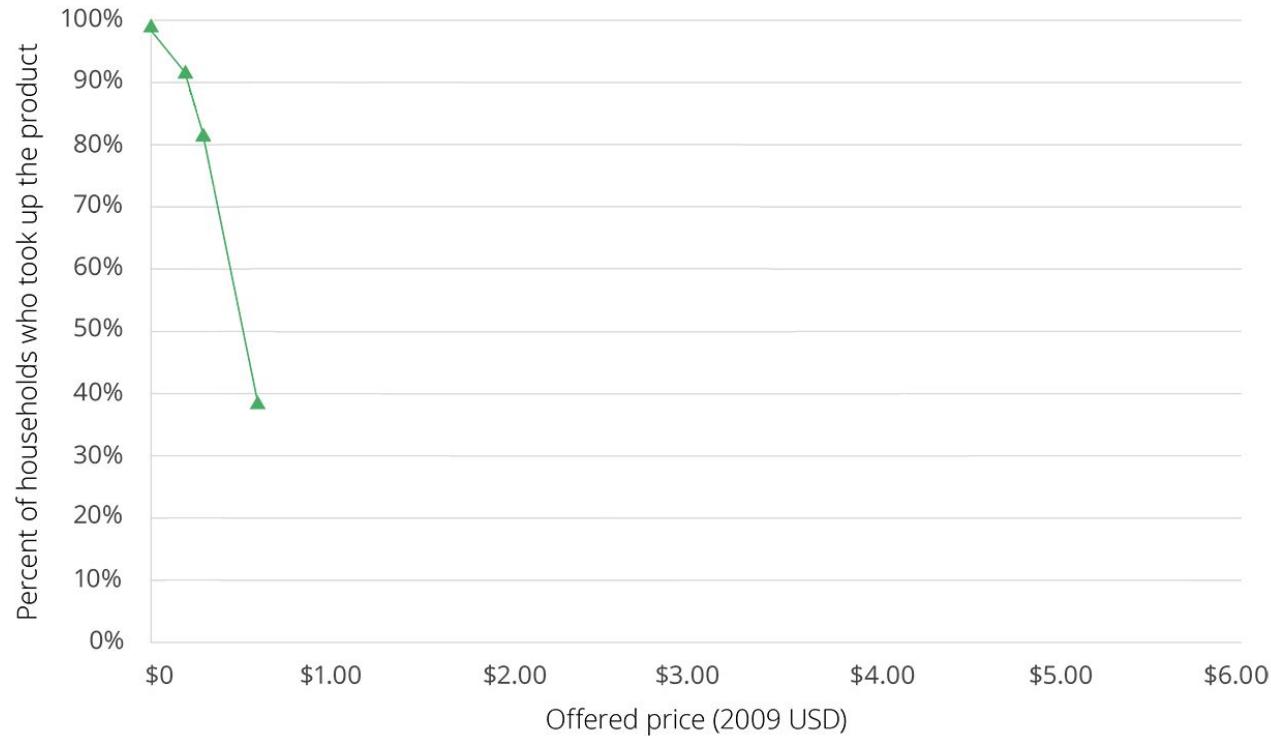
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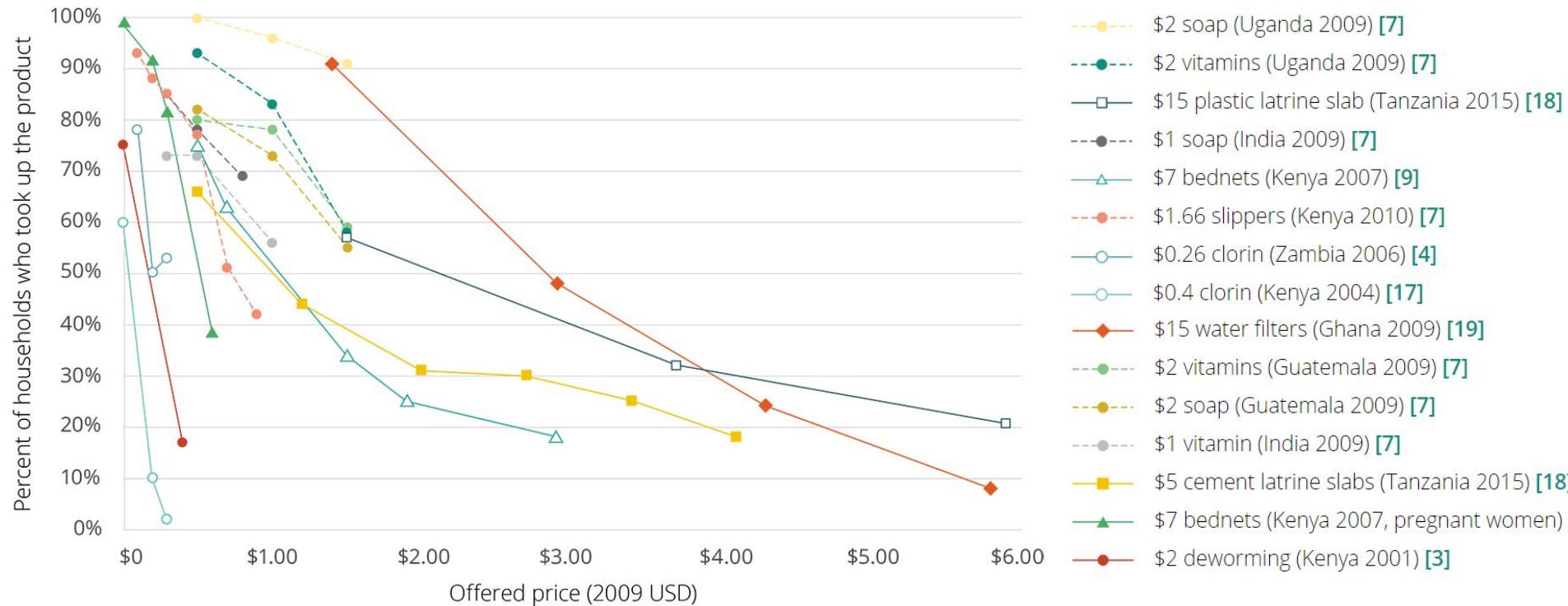
Access to Bednets

Take-up rates of preventive health products at various prices



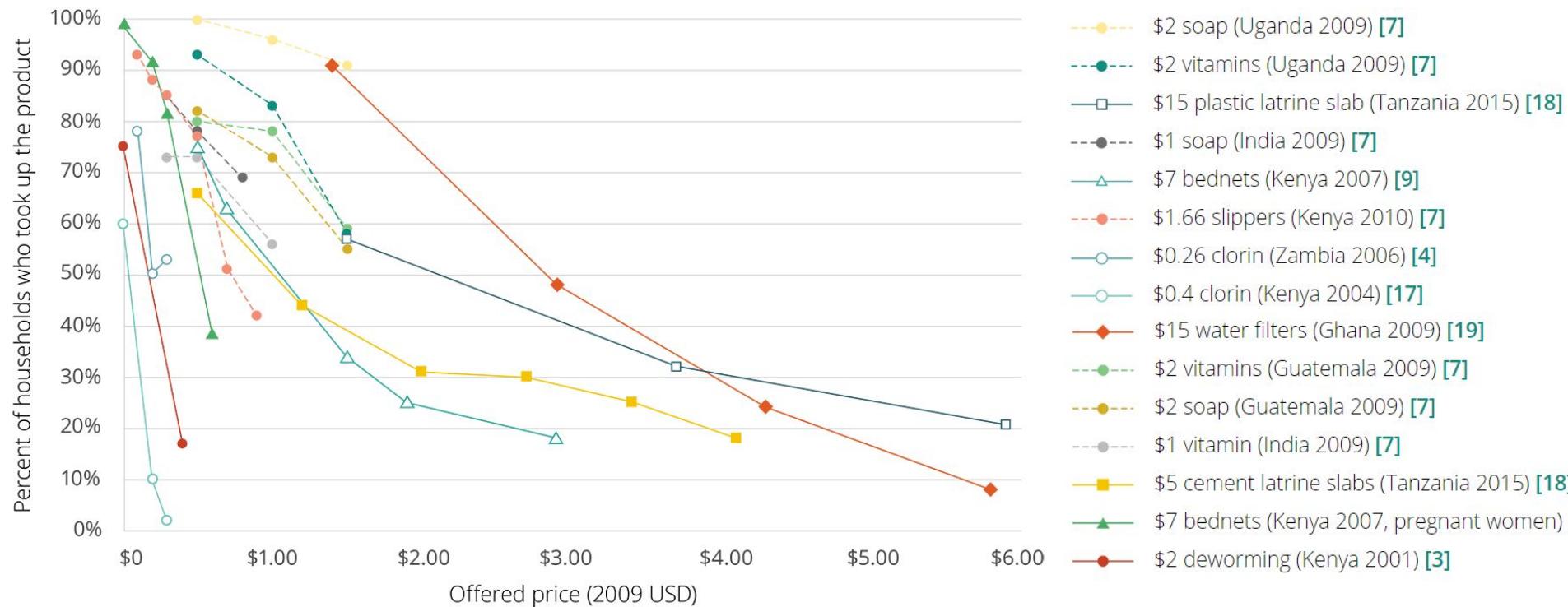
Access to Bednets

Take-up rates of preventive health products at various prices



Finding #2: Small Fees Cause Big Reductions in Access

Take-up rates of preventive health products at various prices



Policy option 1:
Free distribution

Policy option 2:
Cost-sharing

1. Use
2. Access
3. Cost per user



Cost-effectiveness

Policy option 1:
Free distribution

Policy option 2:
Cost-sharing

1. Use



2. Access



3. Cost per user

Cost-effectiveness

Policy option 1:
Free distribution

Policy option 2:
Cost-sharing

1. Use



2. Access



3. Cost per user



Cost-effectiveness

Policy option 1:
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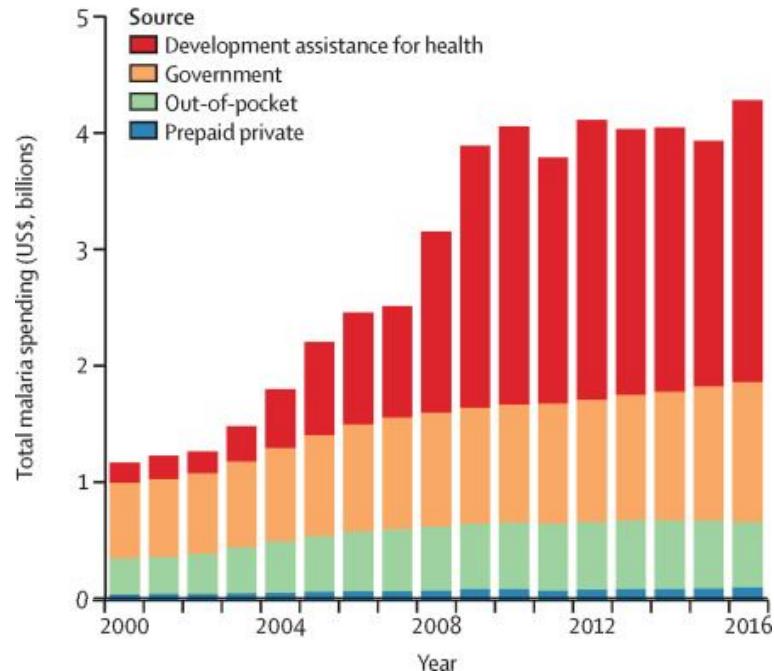
3. Cost per user



Cost-effectiveness

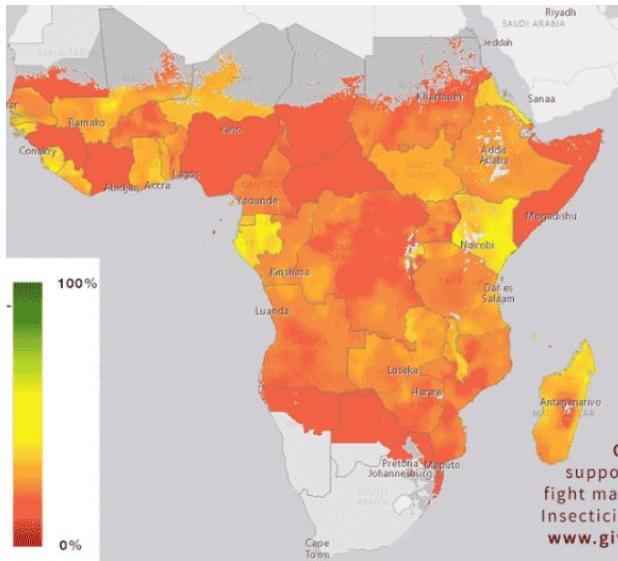


Malaria Spending Worldwide

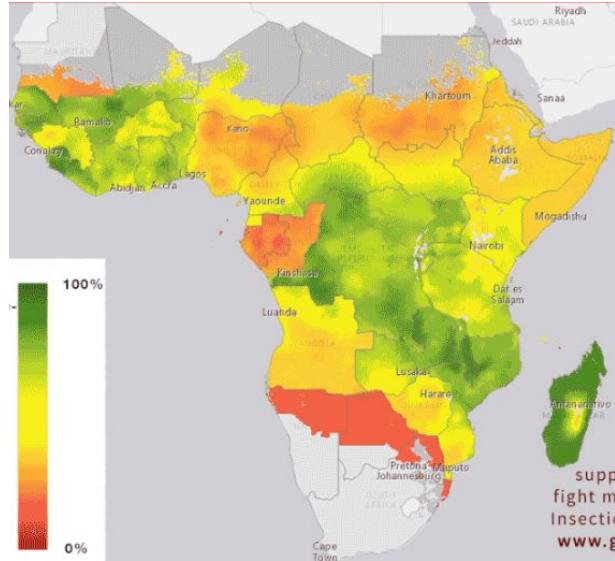


Percentage of population sleeping under insecticide-treated bednets

2006

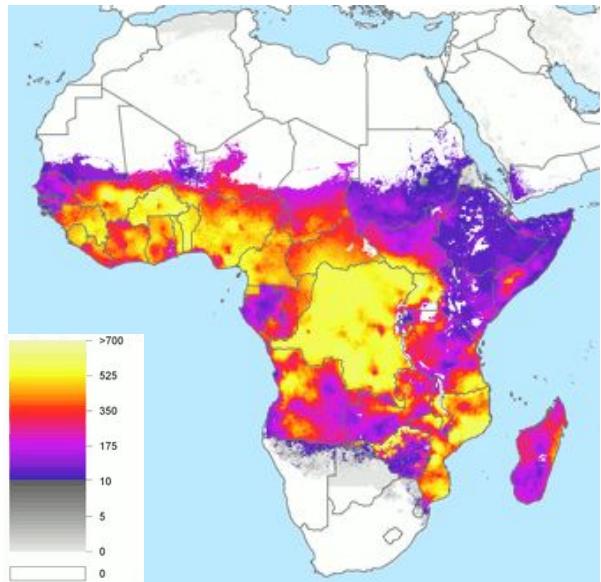


2015

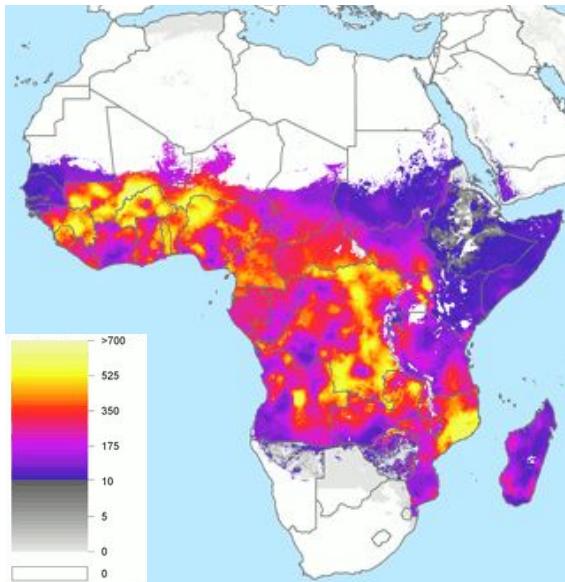


Malaria cases per 1000 people per annum

2006



2015





Department
for Internatiior
Development



**World Health
Organization**



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