



Evidence in Policymaking

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Outline

- Why do evidence based policy?
- How to do evidence informed policy?
- Implications for research and researchers
- Policy as a career
- Asks of the research community

Why do evidence based policy?

As a policy maker, as a researcher

We are far from production possibility frontier



Other govt spend

National rural employment guarantee, India

Innovation: New fund-flow system from state directly to village council



Program: \$6bn, 33m beneficiaries

Evaluation: 24% decline in expenditure, no fall benefits

Scale up: 21 states

Banerjee, Duflo, Imbert, Mathew, and Pande (2016). NBER No. 22803.

Mass free distribution of bednets



- 450 million fewer cases of malaria from 2000-2015
- 4 million fewer deaths

www.givingwhatwecan.org, based on data in Bhatt, 2015.

But its all political bargains, nothing changes.....

.....except when it does.

Politics is more movable than you might think



High correlation between vote shares for political parties and ethnic composition of districts. Casey 2015.

Politics is more movable than you might think



Bidwell, Casey and Glennerster, 2017

Vote shares of major parties across strongholds

	2001	2007	2012	2018
	APC	APC	APC	APC
North west	52.8	76.8	89.8	69.4
South east	2.8	9.5	18.9	10.8
	SLPP	SLPP	SLPP	SLPP
North west	32.8	17.1	6.4	11.1
South east	94.5	56.2	75.2	82.9
				Other
North west				14.1
South east				2.4

Meriggi 2018, International Growth Centre

DIV innovations reaching > 1 million beneficiaries



Voter report cards 10 million reached India



Dispensers for safe water 2.3 million reached Kenya, Uganda, Malawi Annual net benefits \$30m



Election monitoring technology 6.5 million reached Afghanistan, Kenya, Uganda, South Africa,



Digital attendance monitoring 1.8 million reached India



Road safety stickers 3 million reached Kenya, Uganda, Tanzania Annual net benefits \$13.9m



Psychometric credit assessment
I million reached
\$1.5 billion in loans facilitated
15 countries

DIV made 43 awards from 2010-12 totally 17million. Just taking 3 investments generated **at least \$3 in social benefits** for every \$1 in costs incurred and **at least a 39% return on investment** – likely significantly higher, given 10 conservative assumptions

How to do evidence based policy?

Substance and style

Policy makers constrained by cognitive bandwidth

- Evidence use is a classic behavioural economics problem
 - It has high payoff but uptake is below optimal
 - Short term cost, long term gain
- Behavioural insights useful to promote evidence uptake
 - Make it easy and cheap for policy makers to apply it
 - Salience matters (hearing it once isn't enough)
 - Framing matters, use their language not yours

Bring your whole tool box

Context/institutional knowledge



Well identified causal evidence





Descriptive data



Theory

Thus total demand $D(p, \mu)$ is $D(p, \mu) = (Y_2 + Y_1)/p$ $D(p, \mu) = Y_2/p$ $D(p, \mu) = 0$

if $p < \mu$ if μ $if <math>p > 3\mu/2$.



Improving learning: diagnosing the problem



"Disrupting education" Muralidharan et al 2017

Tracking and remedial education are effective



Textbooks worked for the top of the class





Computer-Assisted Personalized Learning's Impact on Math Outcomes

Escueta et al 2017

Designing implementation details for Zambia



Mahuba Hazemba (Senior Officer, Ministry of General Education's Directorate of Standards) helps a student with a TaRL exercise.

Low take-up of late in schedule immunisations

Immunization rates by antigen				
	Country 1	Country 2		
DPT1	84	47		
DPT3	74	41		
Measles	67	41		
Fully immunized	49	38		

RCT of incentives for immunization



Source: Banerjee, Duflo, Glennerster, and Kothari, 2010.

Substantial evidence on incentives

- 30+ RCTs of CCTs but usually much bigger incentives (Fiszbein and Schady, 2009)
- Malawi: smaller CCT same impact as bigger CCT (Baird et al 2010)
- Small incentives for HIV testing (Thornton 2008 Malawi), age of marriage (Field et al, in progress Bangladesh)

Price sensitivity of preventative health



Dupas, 2011 (updated to include more recent studies)

A theory for behavior change: present bias



Implementation methods vary



Gibson et al 2017

Sierra Leone



World food program, J-PAL Africa

Pakistan and India



Chandir et al, ongoing. Duflo et al, ongoing Evidence based policy is not about this....





Implications for researchers

Implication: policy engagement not presentation



Implication: do theory based literature reviews

- Systematic reviews that count number of positive results in an area can be very misleading
- Theory based reviews can be more useful
 - Bring together evidence from different evaluations that are consistent with an underlying theory
- Need more overviews that bring out the underlying behaviours found across a literature
 - This is what generalises
- Note: if you don't think anything generalises you are in the wrong business

Implication: external validity debate is confused

- The question "does this result generalize?" is three questions
- Is the problem an issue elsewhere?
- Does the underlying behaviour generalize?
- Can the policy be implemented in this context?
 - Do some of the details need to be adapted

Making policy/research partnerships work

Researchers need to

- Answer questions the partner wants answered
- Be flexible about evaluation design
- Share expertise
- Provide intermediate outputs
- Have a local presence and keep in frequent (constant) contact

Good policy partners

- Work at sufficient scale
- Are flexible
- Implement a representative program
- Have local expertise
- Have low staff turn over
- Care about knowing the truth

Glennerster, in Handbook of Field Experiments, 2017 Glennerster and Takaravasha,

Doing evidence based policy as a career

Academia

Policy

Lond deadlines Self motivate Being novel Direction of effect Convince economists Find a question you can answer well Become and expert on one issue Find the optimal Short deadlines Good in teams Being right Magnitude of effect Convince noneconomists Answer the question as well as you can Apply your tools to many issues Optimize within constraints

Ask of researchers

- Do high quality policy relevant research that both speaks to important theory (ie has generalizable lessons) and engages with details
 - Economist as plumber
- When discussing results with policy makers see their perspective
 - understand their interests
 - use their language
 - talk about the body of work not just your study
- Write pieces that synthesise the implications of body of research that brings out the underlying common patterns of behaviour
 - Theory but in accessible language

If we are not bring evidence to policy, why are we here?