

Motivating bureaucrats with non-monetary incentives when state capacity is weak: Evidence from large-scale field experiments in Peru

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Key findings

Supportive evidence about the role of behavioral-based nonmonetary incentives as a tool to increase compliance among civil servants

2 Context matters for optimal design of these type of incentives

3 Flexible and low cost strategy to address principal-agent problems when state capacity is low



Policy Issue Setting the scene

State's effectiveness depends on quality of civil servants (Finan et al., 2017)

¿How to improve civil servant's capacity in a context where: i. state capacity is low, ii. cost of enforcement is high?

* Recruit better not always possible (Dal Bo et al., 2013; Ahsraf et al., 2018)

* Monetary incentives? Well studied (Finan et al., 2017) but expensive at scale.

★ We know less about non-monetary incentives for civil servants (Ashraf et al. 2014, Islam et al. 2017, Banerjee et al. 2014, Khan et al. (2018)) e.g. rooted in behavioral economics.



Can non-monetary incentives, based on behavioral insights, increase the capacity of the state to improve civil servants' performance compliance at scale?



Details of evaluation

Tool: SMS (text message) campaign w/behavioral content

3 RCTs in 2 nationwide social programs
Benchmark experiment: MINEDU (MineduLab) 2015
Replication experiment: MINEDU (MineduLab) 2016
External validity experiment: Cuna Más 2016









Benchmark experiment

Setting the scene

National Program of Educational Infrastructure (PRONIED) MoE

Funds transferred to schools for maintenance work

Cycle of activities

- Principal files plan of work
- Government transfers \$ to
 National Bank account
- Implementation of maintenance activities (withdraw cash, spend)
- File expense report online



Compliance

(1) Incomplete bank account
withdrawals: not all funds executed > potential that not all planned work
is completed.

(2) Expenditure report not filed: Quality control and accountability.



Intervention

SMS CAMPAIGN CHARACTERISTICS

- 5 SMS during three months
- Messages targeted an activity: file of plan, withdraw of funding, file expense report.
- Behavioral tools:

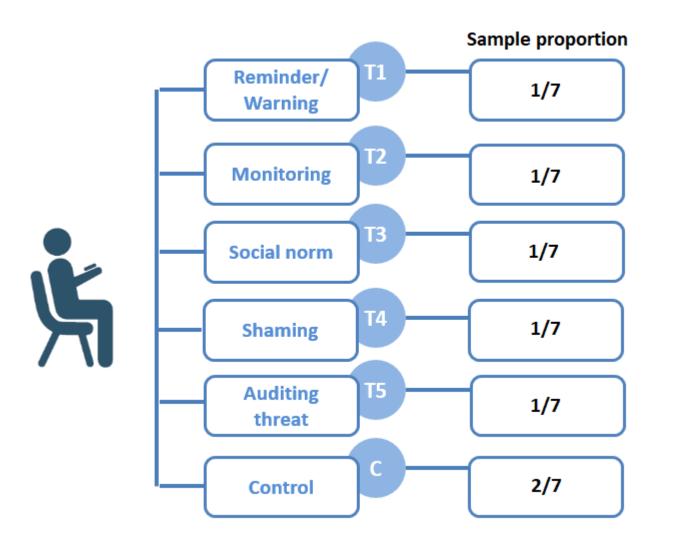
* Personalized messages (Karlan et al 2016)

* Use of (exogenous) deadlines (Ariely et al 2002)

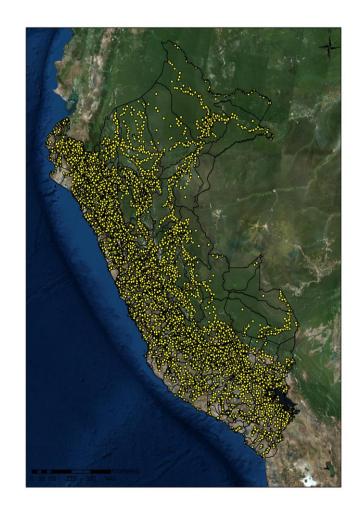
***** 5 Behavioral content: variation across treatments



Intervention



n = 24,257





Outcomes Being Studied

Combination of administrative data and primary data (surveys)

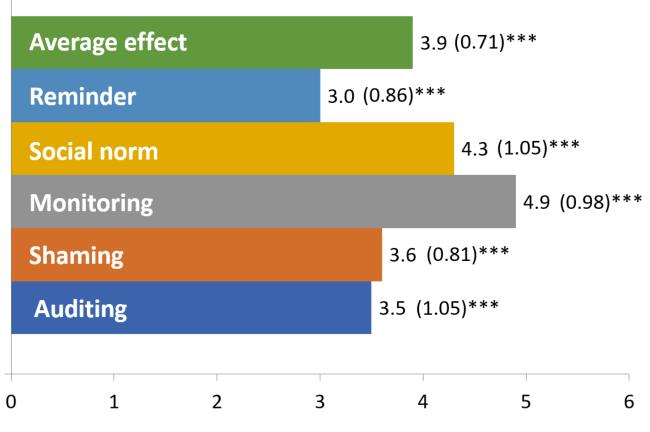
 Focus on expense report. Source -> Wasichay system (PRONIED Information system).

 Reports of bank balances [Similar effects]. Source -> National Bank account data.





SMS increases expense report filing rate



Receiving any message reduces by 15% the compliance gap



Control mean: 74.2%

Replication: No evidence of fatigue or persistence

Average impact of SMS on filing expense report by 2015-2016 status





Control mean: 80.6%

External Validity Experiment": SMS campaign in another setting (Cuna Más)

- Replicate with case managers who file monthly reports of household visits
- 3 SMS per month with two treatments: i. Monitoring and ii.
 Social norm

Low tenure contracts (can be fired)



Results and conclusions

- 1 Supportive evidence about the role of behavioral-based nonmonetary incentives as a tool to increase compliance among civil servants
- 2 Low cost strategy to address principal-agent problems

- **3** Context matters for optimal design of messages -> A/B testing
- 4 Results were basis for design and implementation of a national policy: 24,000 schools with cellphone connection.







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Dynamics of treatment effects

