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> Recruitment, effort, and retention effects of performance contracts for civil servants: Experimental evidence from Rwandan primary schools

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This version: June 20, 2019 PRELIMINARY AND INCOMPLETE

Abstract

Accumulating evidence suggests that pay-for-performance (P4P) contracts can elicit greater effort from incumbent civil servants, but less is known about how these contracts affect the composition of the patible service workforce. We provide the first experimental evidence of the impact of P4P on both the compositional and effort margins. In partnership with the Gaveerament of Renauds, we implemented a pay-do-percentific scheme (Barlowy and Neal 2021) in a novel two-tier experimental designs. In the first tier, we randomly assigned tracked between the pay-do-percentific achieses (Barlowy and Neal 2021) in a novel two-tier experimental designs. In the first tier, we randomly assigned tracked a 'unrapine', school-leved re-candomization, allowing us to separately identify the compositions deflects of advertised P4P contracts and the effort effects of experienced P4P contracts, one presentable painted of the total conducts simulations on binated data to develop high-powered tests. We find that P4P contracts did change the composition of the teaching workforce, drawing is individuals who were not more recomposition—If anything the reverse. On the effect margin, we observe substantial and statistically significant again in tender unbace added, mixrored in positive effects on teacher-presence and observed pestagony in the classroom. In Year 2, we estimate the total effect of P4P, are now compositional and effort margins, to be U21 standard deviations of payis instruke, One quarter of this impact can be antificated to selection at the curvitaness stage, with the remaining three-quarters arising from increased effort.

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Recruitment, effort, and retention effects of performance contracts for civil servants: Experimental evidence from Rwandan primary schools

Accumulating evidence suggests that pay-for-performance (P4P) contracts can elicit greater effort from incumbent civil servants, but less is known about how these contracts affect the



composition of the public sector workforce. We provide the first experimental evidence of the impact of P4P on both the compositional and effort margins. In partnership with the Government of Rwanda, we implemented a 'pay-for-percentile' scheme (Barlevy and Neal 2012) in a novel two-tier experimental design. In the first tier, we randomly assigned teacher labor markets to either P4P or equivalent fixed-wage contracts. In the second tier, we implemented a 'surprise', school-level re-randomization, allowing us to separately identify the compositional effects of advertised P4P contracts and the effort effects of experienced P4P contracts. Our pre-analysis plan sets out a theoretical framework that helps to define a set of hypotheses, and conducts simulations on blinded data to develop high-powered tests. We find that P4P contracts did change the composition of the teaching workforce, drawing in individuals who were more money-oriented, as measured by a framed Dictator Game. But these recruits were not less effective teachers—if anything the reverse. On the effort margin, we observe substantial and statistically significant gains in teacher value added, mirrored in positive effects on teacher presence and observed pedagogy in the classroom. In Year 2, we estimate the total effect of P4P, across compositional and effort margins, to be 0.21 standard deviations of pupil learning. One guarter of this impact can be attributed to selection at the recruitment stage, with the remaining three-quarters arising from increased effort.

June 20, 2019