

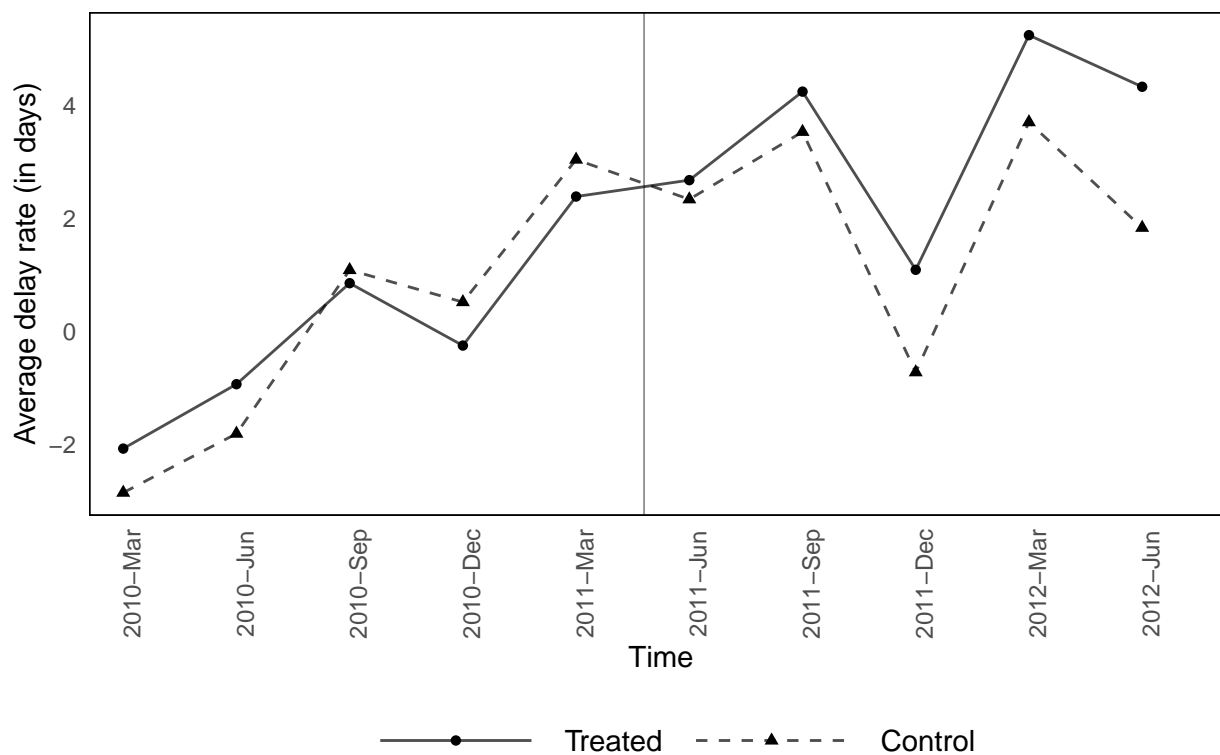
Percentage Delay Rate: QuickPay (2009-2012)

Jul 07, 2022

1 Delay days over time

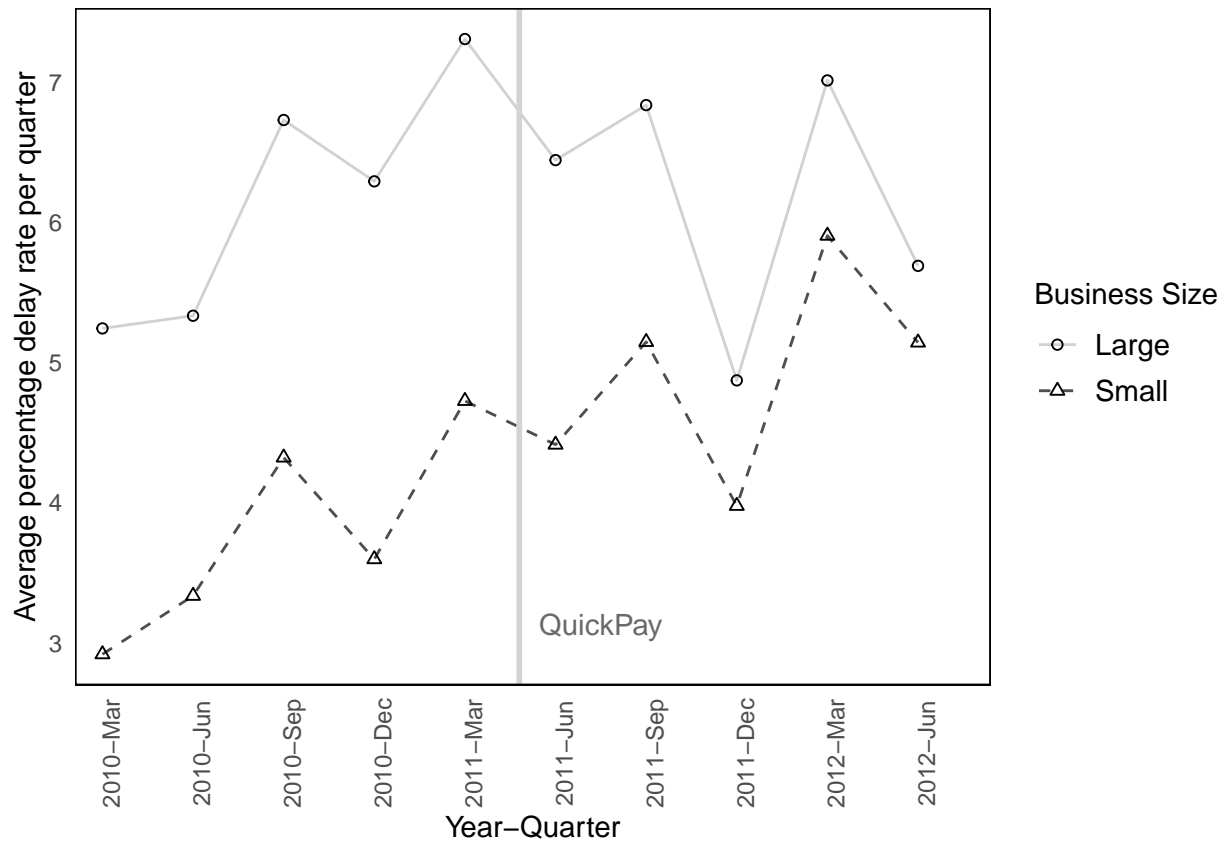


2 Delay days over time (de-meanned)



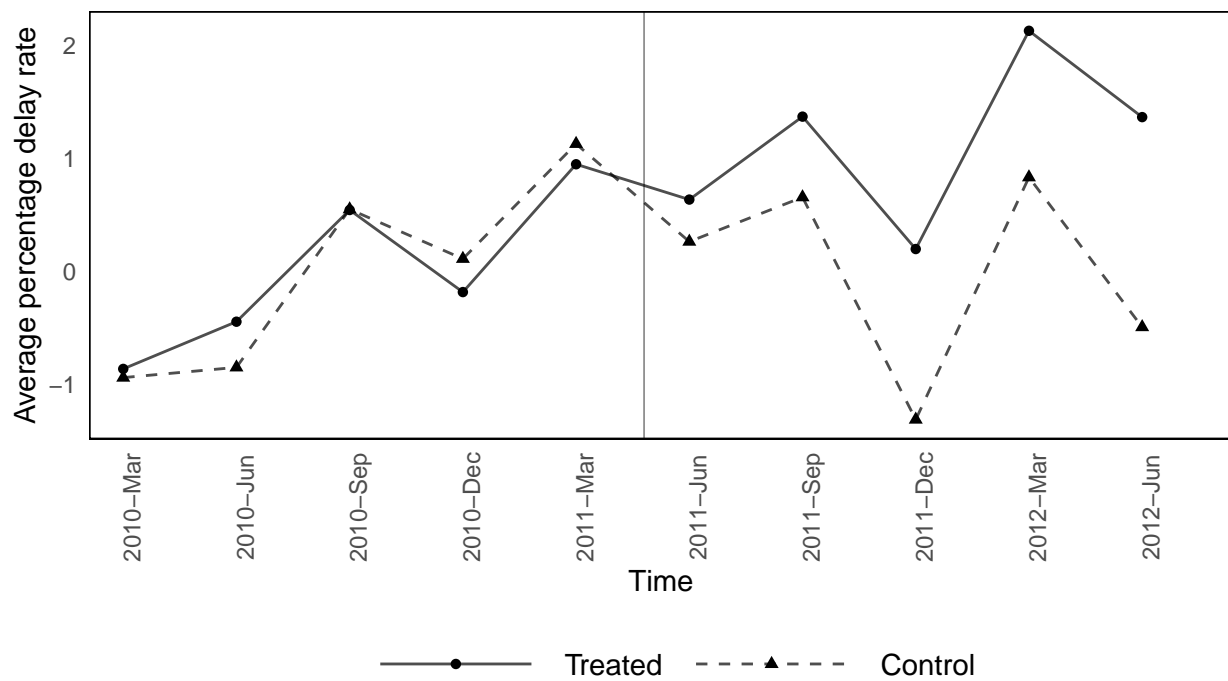
3 Percentage delays over time

- Sample restricted to projects for which start dates matches the one in API
 - This is done by using first reported “action_date” and “date_signed”
- $PercentDelay_{it} = 100 \times Delay_{it} / Duration_{i,t-1}$
 - $Duration_{i,t-1} = Deadline_{i,t-1} - StartDate_i$



4 Demeaned delay rate (in percentage)

- Subtract the average pre-quickpay delay rate from each observation



4.1 Normalized delay rate (in percentage)



5 Baseline Regressions

$$PercentDelay_{it} = \beta_0 + \beta_1 Treat_i + \beta_2 Post_t + \beta_3 (Treat_i \times Post_t) + e_{it}$$

$$PercentDelay_{it} = \alpha + \beta_0 Treat_i + \beta_1 Post_t + \beta_2 (Treat_i \times Post_t) + X_i + (Post_t \times X_i) + \mu_t + \theta_{firm} + \lambda_{task} + \epsilon_{it}$$

Table 1: Effect of QuickPay on project delay rates

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	−2.48*** (0.12)	−1.59*** (0.10)	−1.62*** (0.10)	−1.31*** (0.10)	−1.33*** (0.10)
<i>Post_t</i>	−0.32*** (0.12)	−8.32*** (0.81)			
<i>Treat_i × Post_t</i>	1.27*** (0.14)	1.10*** (0.13)	1.13*** (0.13)	1.18*** (0.13)	1.23*** (0.13)
Constant	6.44*** (0.10)	53.81*** (0.61)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
<i>Post_t × (Duration, Budget, Bids)</i>	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	260,056	235,960	235,960	235,960	235,960
R ²	0.003	0.22	0.22	0.25	0.26
Adjusted R ²	0.003	0.22	0.22	0.25	0.25

Note:

*p<0.1; **p<0.05; ***p<0.01

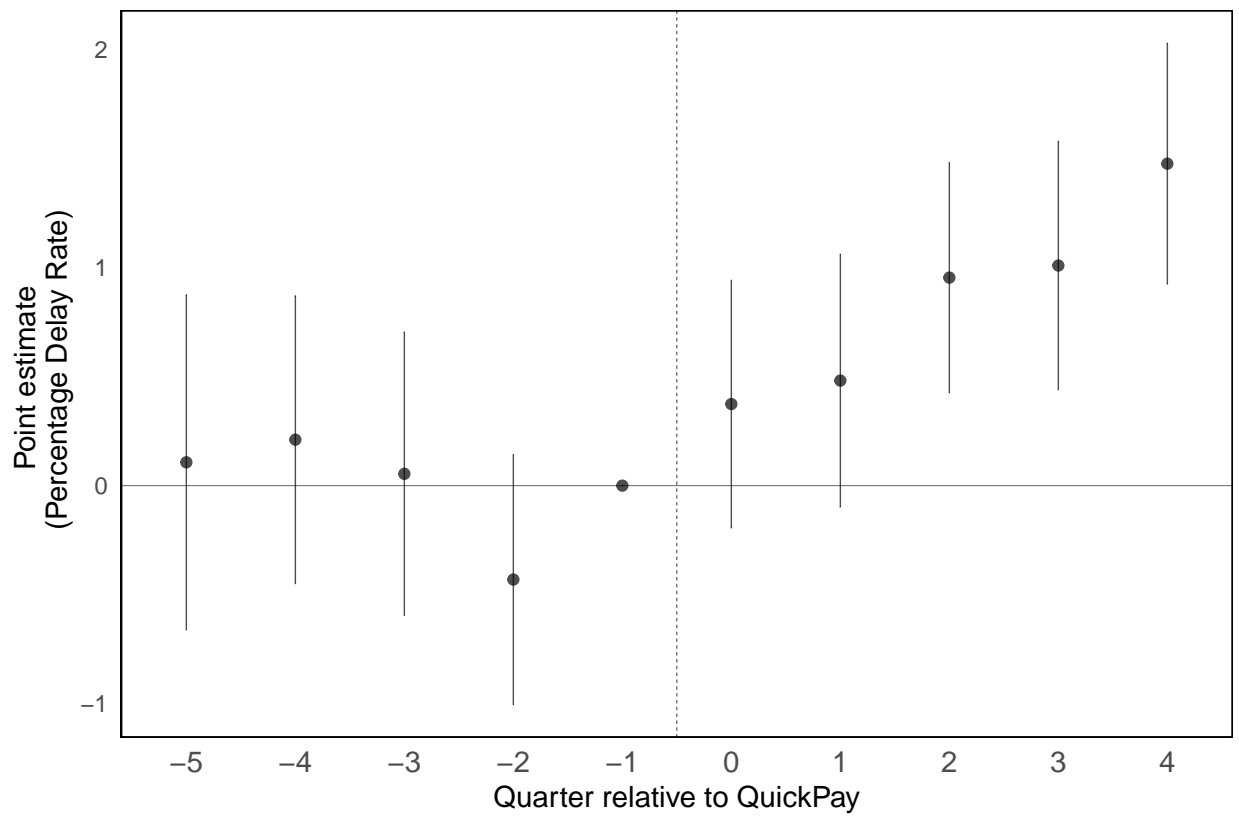
Each observation is a project-quarter.

SEs are robust and clustered at the project level.

6 Event study

$$PercentDelay_{it} = \beta_0 + \beta_1 Treat_i + \beta_2 Treat_i \times Quarter_t + \gamma_{task} + \theta_{naics} + \lambda_{quarter} + \nu_{sub-agency} + \epsilon_{it}$$

NOTE: 242,843 observations removed because of NA values (LHS: 242,843, RHS: 9,862).



7 Parallel Trends Test

Table 2: Linear Time Trend Before QuickPay

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	-1.85*** (0.42)	-1.18*** (0.38)	-1.19*** (0.38)	-1.14*** (0.37)	-1.27*** (0.37)
<i>QuarterNum</i>	0.51*** (0.07)	-1.49*** (0.49)			
<i>Treat_i × QuarterNum</i>	-0.14 (0.09)	-0.11 (0.08)	-0.11 (0.08)	0.04 (0.08)	0.05 (0.08)
Constant	4.15*** (0.35)	60.96*** (2.30)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
<i>Post_t</i> × (Duration, Budget, Bids)	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	97,705	90,650	90,650	90,650	90,650
R ²	0.01	0.26	0.26	0.32	0.32
Adjusted R ²	0.01	0.26	0.26	0.31	0.31

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

Observations are for quarters before quickpay.

8 Placebo Test

8.1 Placebo Regression Tables

[1] 3

Table 3: Placebo test: Treatment Time 2010-06-30

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	-4.50*** (0.78)	-4.12*** (0.70)	-4.13*** (0.70)	-2.77*** (0.67)	-2.99*** (0.67)
<i>Post</i>	2.49*** (0.67)	-8.64* (4.70)			
<i>Treat_i × Post</i>	-1.25 (0.81)	0.64 (0.73)	0.62 (0.73)	0.83 (0.71)	0.91 (0.70)
Constant	10.33*** (0.65)	122.58*** (4.49)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
<i>Post_t × (Duration, Budget, Bids)</i>	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	97,705	90,650	90,650	90,650	90,650
R ²	0.01	0.32	0.32	0.37	0.37
Adjusted R ²	0.01	0.32	0.32	0.36	0.36

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

Observations are for quarters before quickpay.

Table 4: Placebo test: Treatment Time 2010-09-30

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	-4.58*** (0.49)	-3.43*** (0.42)	-3.43*** (0.42)	-2.21*** (0.42)	-2.45*** (0.41)
<i>Post</i>	2.52*** (0.47)	-12.11*** (3.07)			
<i>Treat_i × Post</i>	-1.40** (0.56)	-0.20 (0.49)	-0.19 (0.49)	0.26 (0.48)	0.38 (0.48)
Constant	10.68*** (0.41)	124.33*** (2.70)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
<i>Post_t × (Duration, Budget, Bids)</i>	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	97,705	90,650	90,650	90,650	90,650
R ²	0.01	0.32	0.32	0.37	0.37
Adjusted R ²	0.01	0.32	0.32	0.36	0.36

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

Observations are for quarters before quickpay.

9 Summary statistics

10 Number of Projects

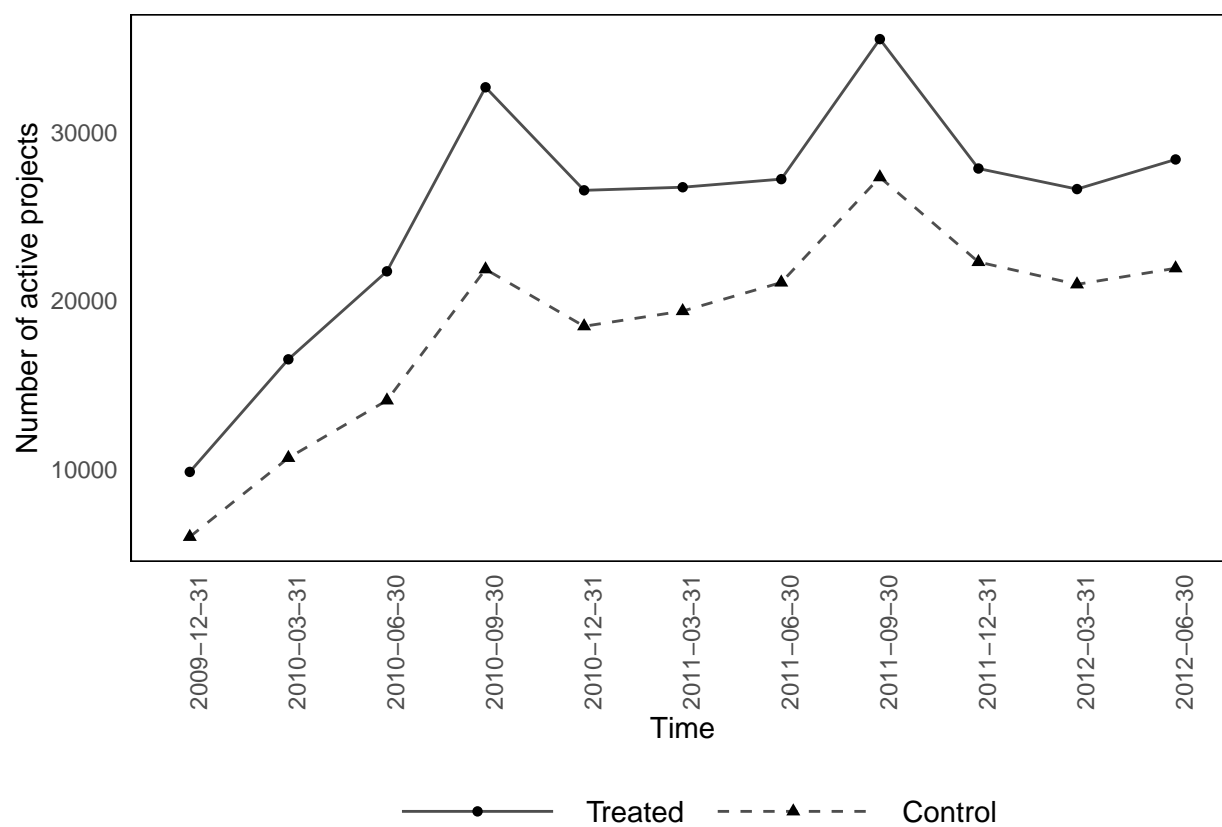


Table 5: Number of Projects after QuickPay

	Number of projects _{it}				
	(1)	(2)	(3)	(4)	(5)
$Treat_i$	7,761.17*** (25.54)	7,944.08*** (4.15)	7,948.08*** (4.34)	7,944.71*** (4.37)	7,922.32*** (9.13)
$Post_t$	5,897.76*** (17.59)				
$Treat_i \times Post_t$	-1,255.17*** (26.81)	-1,461.78*** (4.36)	-1,460.80*** (4.37)	-1,460.87*** (4.37)	-1,477.05*** (4.37)
Constant	17,063.83*** (16.90)				
Time fixed effects	No	Yes	Yes	Yes	Yes
Task fixed effects	No	No	Yes	Yes	Yes
Industry fixed effects	No	No	No	Yes	Yes
Contractor fixed effects	No	No	No	No	Yes
Observations	483,704	483,704	483,704	483,704	483,703
R ²	0.47	0.99	0.99	0.99	0.99
Adjusted R ²	0.47	0.99	0.99	0.99	0.99

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

Sample restricted to contractors active before QuickPay.

11 Project portfolio: Continuous

Table 6: Project Portfolio and QuickPay reform

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
$Treat_i$	0.89 (0.61)	0.36 (0.54)	0.36 (0.54)	-0.36 (0.49)	-0.40 (0.49)
$Post_t$	0.26 (0.75)	-7.39*** (1.05)			
Proportion Large Projects	3.43*** (0.63)	1.97*** (0.55)	1.99*** (0.55)	0.96* (0.51)	0.93* (0.51)
$Treat_i \times Post_t \times$ Proportion Large	0.68 (0.75)	0.12 (0.70)	0.13 (0.69)	0.73 (0.66)	0.74 (0.66)
$Post_t \times ProportionLargeProjects$	-0.61 (0.77)	-1.01 (0.71)	-1.02 (0.71)	-0.48 (0.68)	-0.53 (0.68)
$Treat_i \times ProportionLargeProjects$	-5.41*** (0.85)	-3.71*** (0.79)	-3.80*** (0.79)	-1.91*** (0.74)	-1.81** (0.74)
$Treat_i \times Post_t \times ProportionLargeProjects$	0.55 (1.08)	1.00 (1.05)	1.07 (1.04)	-0.29 (1.01)	-0.34 (1.01)
Constant	3.11*** (0.61)	51.93*** (0.80)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
$Post_t \times$ (Duration, Budget, Bids)	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	260,056	235,960	235,960	235,960	235,960
R ²	0.003	0.22	0.22	0.25	0.26
Adjusted R ²	0.003	0.22	0.22	0.25	0.25

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

Table 7: Project Portfolio and QuickPay reform: Restricted Sample

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
$Treat_i$	3.26*** (0.71)	0.66 (0.61)	0.54 (0.61)	0.43 (0.55)	0.40 (0.55)
$Post_t$	2.04** (0.82)	-13.50*** (1.83)			
Proportion Large Projects	13.82*** (0.91)	4.32*** (0.68)	4.21*** (0.68)	2.31*** (0.62)	2.00*** (0.62)
$Treat_i \times Post_t \times$ Proportion Large	-1.73** (0.84)	-1.09 (0.76)	-1.06 (0.76)	-0.12 (0.73)	0.01 (0.73)
$Post_t \times ProportionLargeProjects$	-4.18*** (1.06)	-1.57* (0.86)	-1.58* (0.86)	-0.94 (0.83)	-0.92 (0.83)
$Treat_i \times ProportionLargeProjects$	-10.70*** (1.10)	-4.19*** (0.94)	-4.05*** (0.94)	-3.78*** (0.89)	-4.05*** (0.90)
$Treat_i \times Post_t \times ProportionLargeProjects$	5.89*** (1.34)	3.66*** (1.22)	3.70*** (1.21)	2.12* (1.21)	1.98 (1.21)
Constant	-1.72** (0.70)	57.32*** (1.36)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
$Post_t \times$ (Duration, Budget, Bids)	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	49,222	45,643	45,643	45,643	45,643
R ²	0.05	0.38	0.38	0.43	0.43
Adjusted R ²	0.05	0.37	0.38	0.42	0.43

Note:

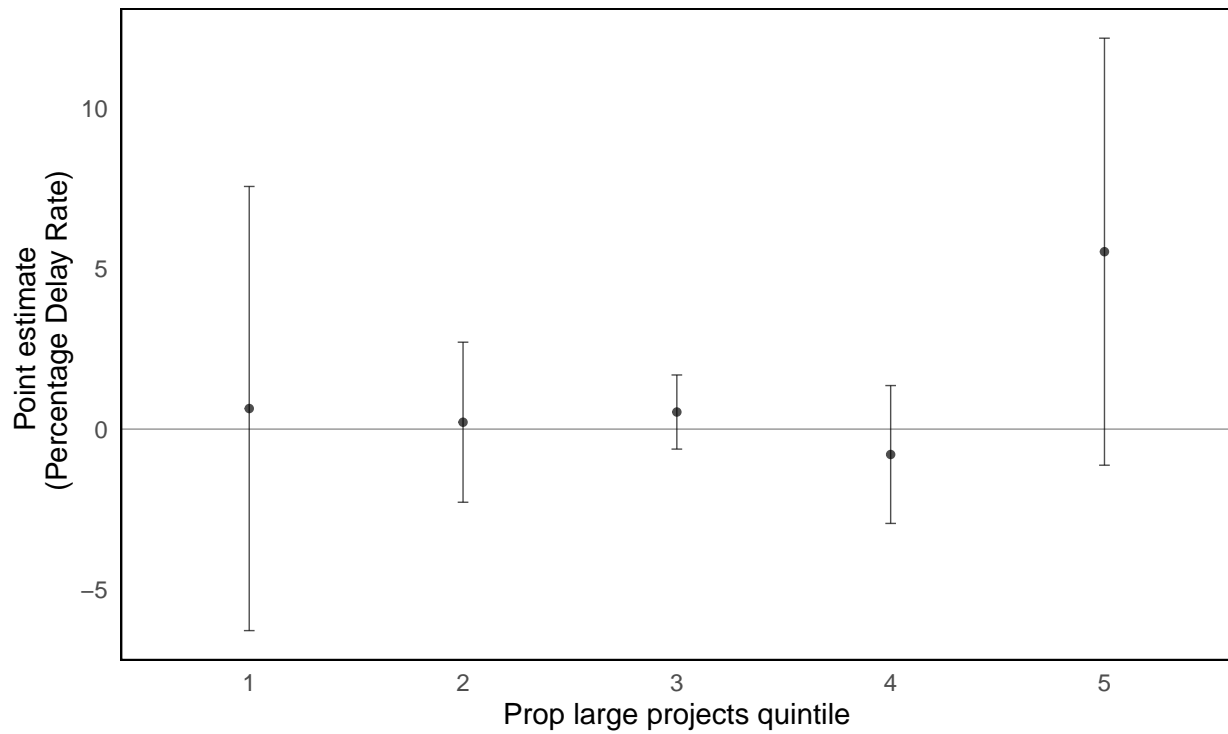
*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

Sample restricted to observations with at least one small and one large project

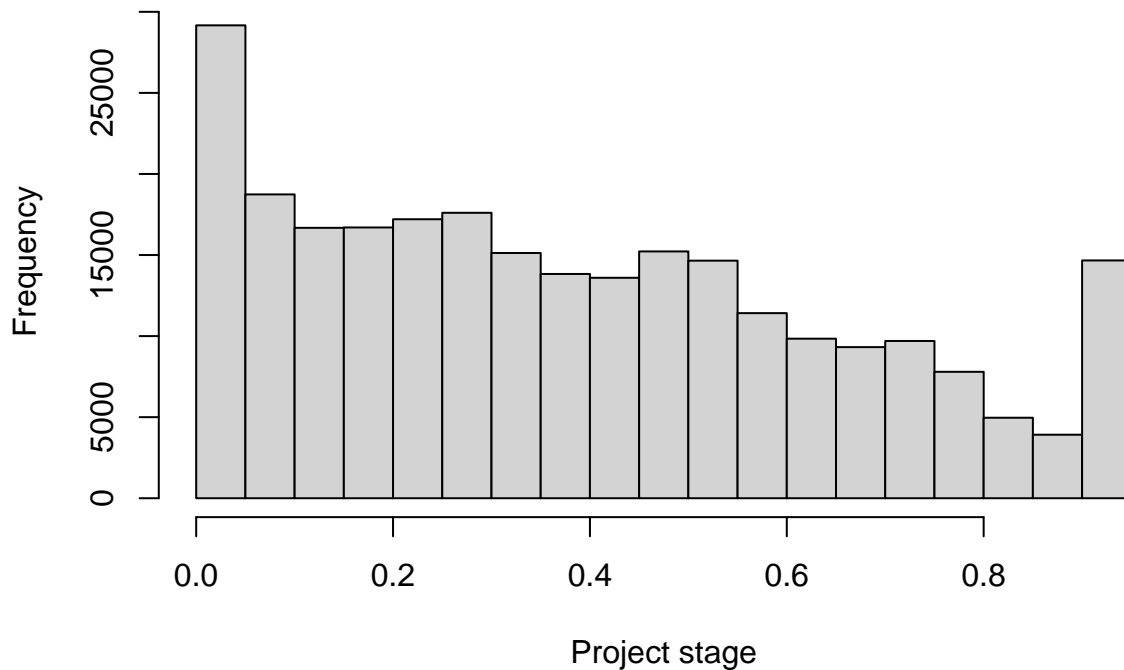
12 Project Portfolio: Discrete

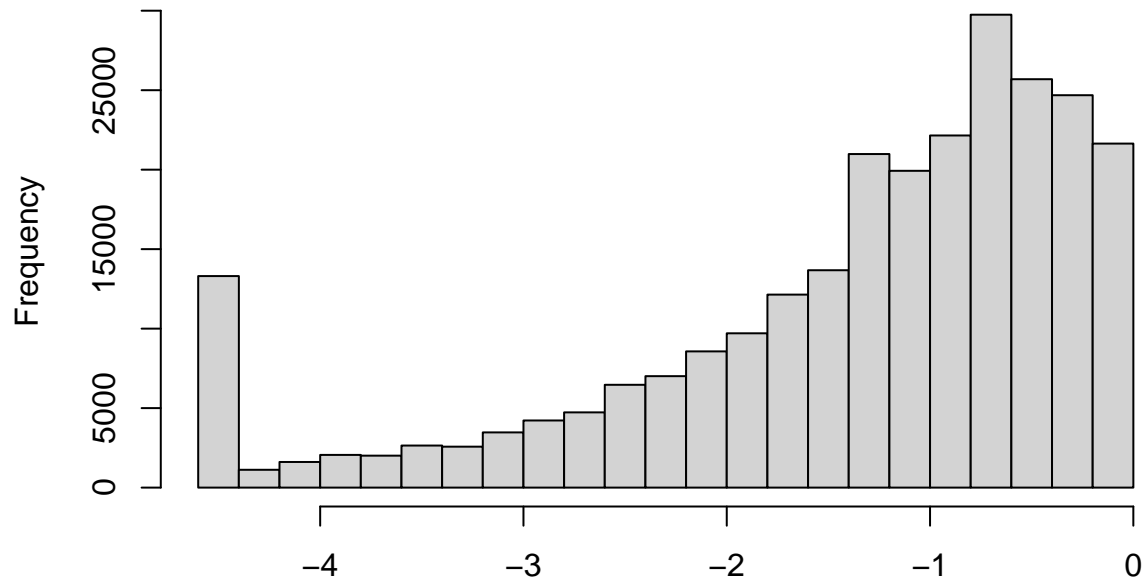


13 Project Stage

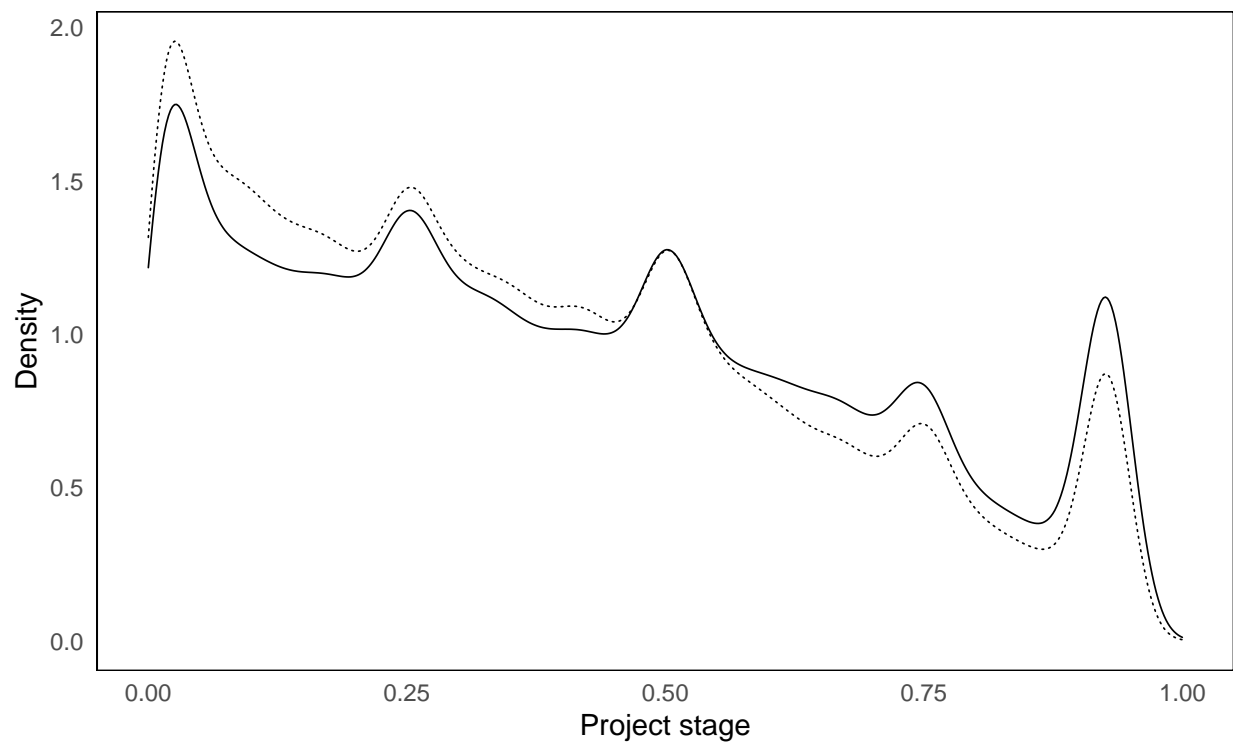
- t indicates the end of the quarter
- We want to get stage of the project at the beginning of a given quarter (before any delays materialize)

$$Stage_{it} = \frac{ActionDate_{t-1} - StartDate_i}{Duration_{i,t-1}} \quad Stage_{it} = \frac{(t-1) - StartDate_i}{Duration_{i,t-1}}$$



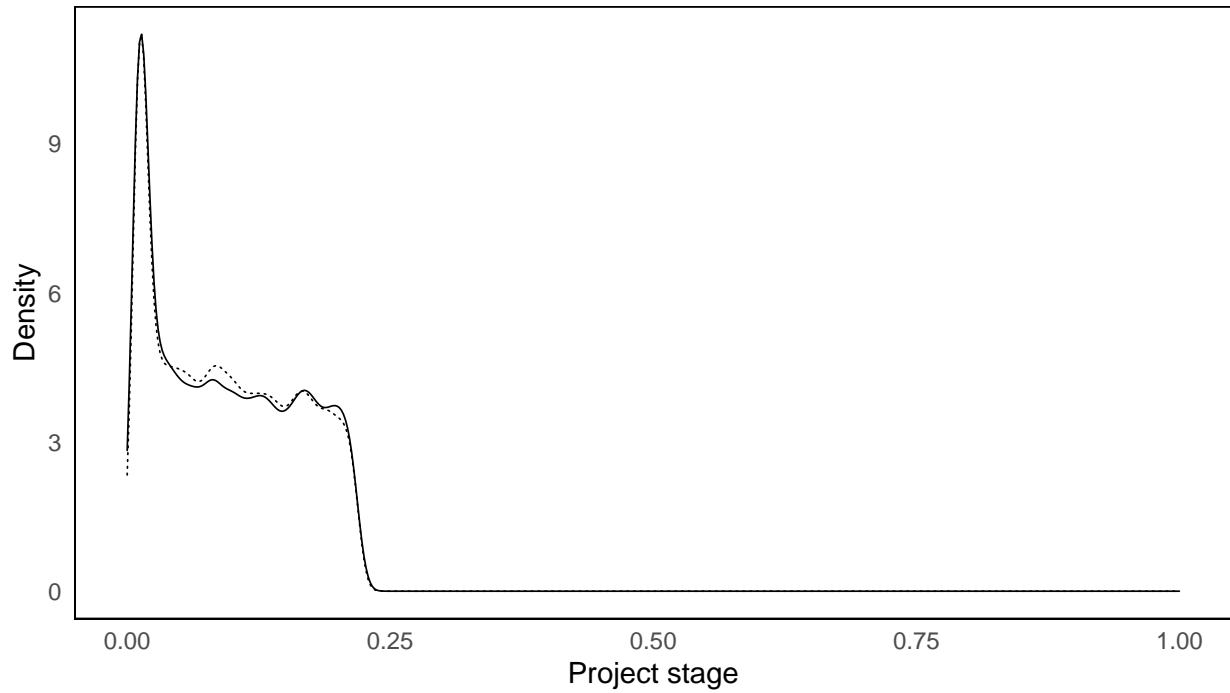


Project stage (Logged)



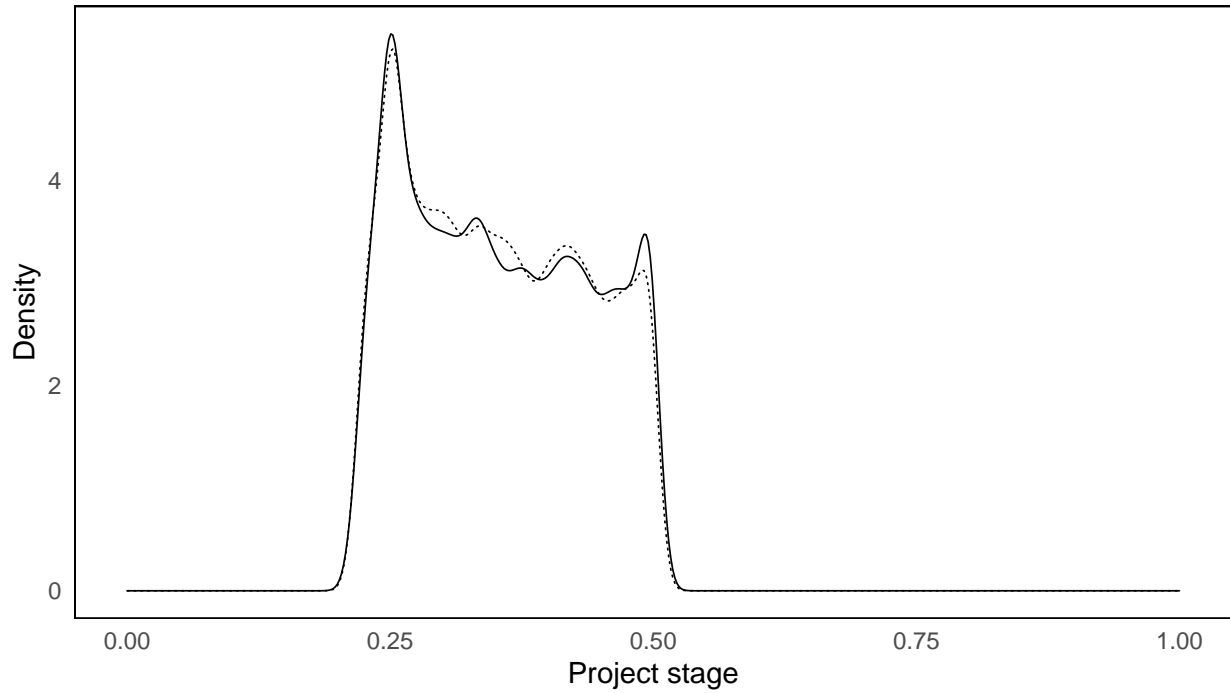
Business Type ☐ o ☐ s

Early stage projects



Business Type ☐ o ☐ s

Medium stage projects



Business Type ☐ o ☐ s

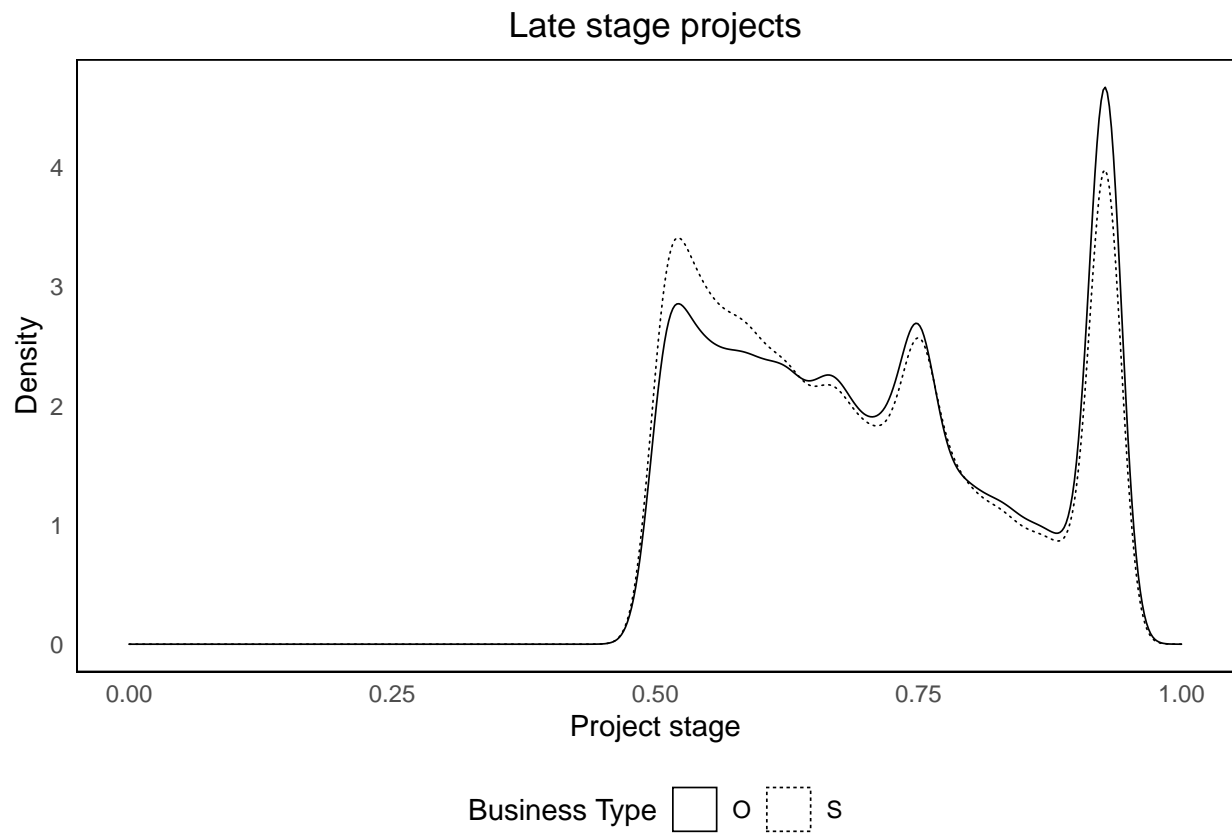


Table 8: Project Stage and QuickPay reform

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	−0.40*** (0.09)	−1.21*** (0.11)	−1.18*** (0.11)	−0.89*** (0.12)	−0.88*** (0.12)
Medium Stage	0.93*** (0.12)	0.51*** (0.13)	0.37*** (0.13)	0.69*** (0.13)	0.68*** (0.13)
Late Stage	16.99*** (0.28)	11.96*** (0.23)	11.81*** (0.23)	11.46*** (0.23)	11.45*** (0.23)
<i>Post_t</i>	−0.15 (0.09)	−6.51*** (0.79)			
<i>Treat_i × Post_t</i>	0.19* (0.12)	0.11 (0.15)	0.09 (0.15)	0.08 (0.15)	0.13 (0.15)
<i>Treat_i × Medium Stage</i>	−0.46*** (0.15)	0.33** (0.16)	0.31* (0.16)	0.25 (0.16)	0.25 (0.16)
<i>Treat_i × Late Stage</i>	−4.98*** (0.36)	−1.64*** (0.31)	−1.71*** (0.31)	−1.84*** (0.30)	−1.93*** (0.30)
<i>Post_t × Medium Stage</i>	−0.81*** (0.15)	0.38** (0.16)	0.26 (0.16)	−0.04 (0.16)	−0.05 (0.16)
<i>Post_t × Late Stage</i>	−5.58*** (0.32)	−2.00*** (0.27)	−2.07*** (0.27)	−2.51*** (0.27)	−2.52*** (0.27)
<i>Treat_i × Post_t × Medium Stage</i>	0.36** (0.18)	−0.03 (0.21)	−0.03 (0.21)	0.14 (0.20)	0.14 (0.20)
<i>Treat_i × Post_t × Late Stage</i>	3.77*** (0.41)	2.76*** (0.37)	2.81*** (0.37)	3.00*** (0.36)	3.05*** (0.36)
Constant	1.51*** (0.07)	44.19*** (0.59)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
<i>Post_t × (Duration, Budget, Bids)</i>	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	260,000	235,960	235,960	235,960	235,960
R ²	0.11	0.24	0.24	0.27	0.27
Adjusted R ²	0.11	0.24	0.24	0.27	0.27

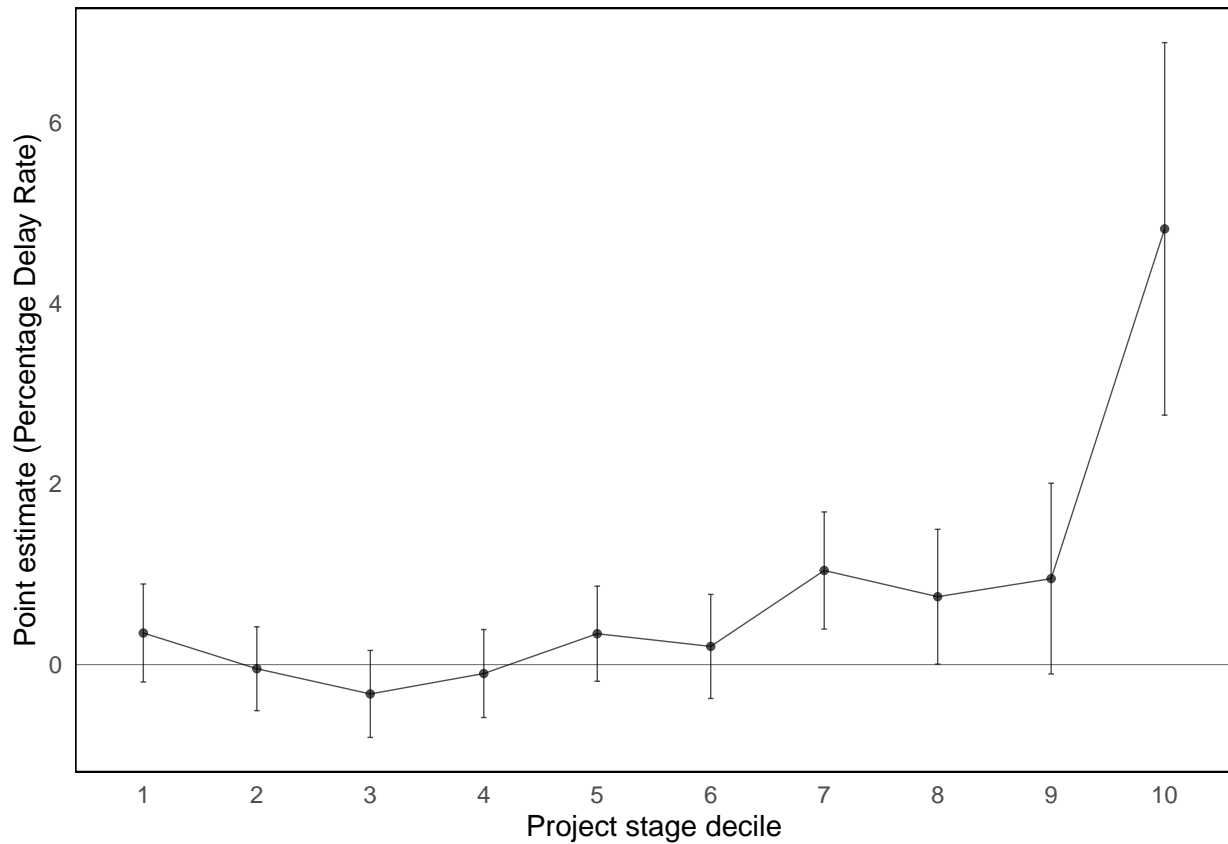
Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

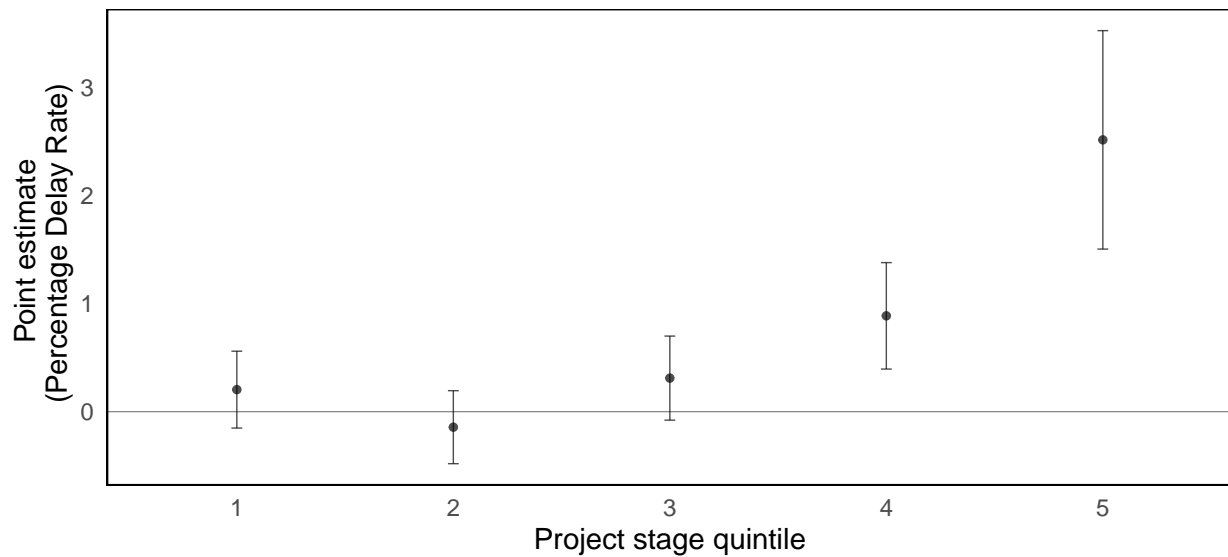
SEs are robust and clustered at the project level.

13.1 Stage decile Regression Plots



stage_decile Min stage Max stage 1: 1 0.00 0.04 2: 2 0.04 0.11 3: 3 0.11 0.19 4: 4 0.19 0.26 5: 5 0.26 0.35 6: 6 0.35 0.44 7: 7 0.44 0.52 8: 8 0.52 0.64 9: 9 0.64 0.78 10: 10 0.78 1.00

13.2 Stage Quintile



stage_quintile Min stage Max stage 1: 1 0.00 0.11 2: 2 0.11 0.26 3: 3 0.26 0.44 4: 4 0.44 0.64 5: 5 0.64 1.00

13.3 Logged Stage Regressions

Table 9: Project Stage and QuickPay reform

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	-4.72*** (0.25)	-2.45*** (0.21)	-2.50*** (0.21)	-2.14*** (0.20)	-2.19*** (0.20)
Log(Stage)	4.50*** (0.08)	3.17*** (0.07)	3.12*** (0.07)	3.14*** (0.07)	3.14*** (0.07)
<i>Post_t</i>	-2.20*** (0.23)	-7.92*** (0.83)			
<i>Treat_i</i> × <i>Post_t</i>	2.88*** (0.30)	2.10*** (0.26)	2.14*** (0.26)	2.25*** (0.25)	2.33*** (0.25)
<i>Treat_i</i> × Log(Stage)	-1.65*** (0.11)	-0.54*** (0.09)	-0.55*** (0.09)	-0.52*** (0.09)	-0.55*** (0.09)
<i>Post_t</i> × Log(Stage)	-0.36*** (0.10)	0.53*** (0.09)	0.53*** (0.09)	0.23*** (0.09)	0.22** (0.09)
<i>Treat_i</i> × <i>Post_t</i> × Log(Stage)	0.93*** (0.13)	0.64*** (0.12)	0.65*** (0.12)	0.71*** (0.12)	0.73*** (0.12)
Constant	13.35*** (0.20)	53.91*** (0.62)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
<i>Post_t</i> × (Duration, Budget, Bids)	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	260,000	235,960	235,960	235,960	235,960
R ²	0.06	0.22	0.22	0.25	0.26
Adjusted R ²	0.06	0.22	0.22	0.25	0.25

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

13.4 Aliter: Stage definition

- *t* indicates the end of the quarter

$$Stage_{it} = \frac{ActionDate_i - StartDate_i}{Duration_{i,t}} \quad Stage_{it} = \frac{t - StartDate_i}{Duration_{i,t}}$$

Table 10: Project Stage and QuickPay reform

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	-1.34*** (0.17)	-0.64*** (0.23)	-0.48** (0.24)	-0.60** (0.24)	-0.62*** (0.24)
Medium Stage	3.01*** (0.20)	-2.26*** (0.22)	-2.66*** (0.22)	-1.80*** (0.22)	-1.79*** (0.22)
Late Stage	6.37*** (0.24)	-7.43*** (0.27)	-8.25*** (0.28)	-6.77*** (0.27)	-6.70*** (0.27)
<i>Post_t</i>	-0.93*** (0.18)	-25.05*** (1.09)			
<i>Treat_i × Post_t</i>	1.17*** (0.22)	1.04*** (0.30)	0.97*** (0.30)	0.79*** (0.30)	0.85*** (0.30)
<i>Treat_i × Medium Stage</i>	-0.89*** (0.24)	-1.05*** (0.28)	-1.26*** (0.28)	-0.76*** (0.28)	-0.74*** (0.28)
<i>Treat_i × Late Stage</i>	-2.19*** (0.28)	-1.40*** (0.29)	-1.43*** (0.29)	-0.76*** (0.29)	-0.81*** (0.29)
<i>Post_t × Medium Stage</i>	0.78*** (0.24)	3.54*** (0.26)	3.52*** (0.27)	2.86*** (0.27)	2.83*** (0.27)
<i>Post_t × Late Stage</i>	0.26 (0.29)	6.38*** (0.31)	6.81*** (0.32)	5.47*** (0.32)	5.38*** (0.32)
<i>Treat_i × Post_t × Medium Stage</i>	0.08 (0.30)	0.37 (0.36)	0.51 (0.36)	0.61* (0.35)	0.59* (0.35)
<i>Treat_i × Post_t × Late Stage</i>	0.19 (0.35)	-0.21 (0.37)	-0.28 (0.37)	-0.03 (0.37)	-0.01 (0.37)
Constant	2.81*** (0.15)	68.49*** (0.93)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
<i>Post_t × (Duration, Budget, Bids)</i>	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	260,056	236,016	236,016	236,016	236,016
R ²	0.02	0.18	0.19	0.23	0.23
Adjusted R ²	0.02	0.18	0.19	0.22	0.22

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

14 Contract Financing

$$CF_i = \begin{cases} 1, & \text{if project } i \text{ receives contract financing} \\ 0, & \text{otherwise} \end{cases}$$

$$\begin{aligned} PercentDelay_{it} = & \beta_0 + \beta_1 Treat_i + \beta_2 Post_t + \beta_3 (Treat_i \times Post_t) \\ & + \beta_4 CF_i + \beta_5 (CF_i \times Post_t) + \beta_6 (Treat_i \times Post_t \times CF_i) \\ & + X_i + (Post_t \times X_i) + \mu_t + \theta_{firm} + \lambda_{task} + \epsilon_{it} \end{aligned}$$

Table 11: Financial constraints and QuickPay reform

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	-2.45*** (0.12)	-1.64*** (0.10)	-1.67*** (0.10)	-1.30*** (0.10)	-1.31*** (0.10)
<i>Post_t</i>	-0.36*** (0.12)	-8.19*** (0.82)			
<i>Treat_i × Post_t</i>	1.08*** (0.15)	0.98*** (0.13)	0.99*** (0.13)	1.09*** (0.13)	1.15*** (0.13)
<i>CF_i</i>	2.59*** (0.19)	2.08*** (0.17)	1.97*** (0.17)	-0.59*** (0.17)	-0.68*** (0.17)
<i>Post_t × CF_i</i>	0.12 (0.28)	-0.63** (0.25)	-0.53** (0.25)	0.07 (0.25)	0.08 (0.25)
<i>Post_t × CF_i × Treat_i</i>	1.95*** (0.30)	1.05*** (0.24)	1.09*** (0.24)	0.55** (0.25)	0.49* (0.26)
Constant	6.09*** (0.10)	54.48*** (0.62)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
<i>Post_t × (Duration, Budget, Bids)</i>	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	260,056	235,960	235,960	235,960	235,960
R ²	0.01	0.22	0.22	0.25	0.26
Adjusted R ²	0.01	0.22	0.22	0.25	0.25

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

14.1 With Treat x CF term

Table 12: Financial constraints and QuickPay reform

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	-2.83*** (0.13)	-1.86*** (0.11)	-1.88*** (0.11)	-1.43*** (0.11)	-1.44*** (0.11)
<i>Post_t</i>	-0.57*** (0.13)	-8.35*** (0.82)			
<i>CF_i</i>	1.01*** (0.28)	1.26*** (0.24)	1.16*** (0.24)	-1.08*** (0.25)	-1.16*** (0.25)
<i>Treat_i × Post_t</i>	1.45*** (0.15)	1.19*** (0.14)	1.21*** (0.14)	1.21*** (0.14)	1.27*** (0.14)
<i>Post_t × CF_i</i>	1.70*** (0.34)	0.19 (0.31)	0.27 (0.31)	0.54* (0.31)	0.54* (0.31)
<i>Treat_i × CF_i</i>	2.90*** (0.38)	1.53*** (0.31)	1.52*** (0.31)	0.92*** (0.31)	0.90*** (0.31)
<i>Treat_i × Post_t × CF_i</i>	-0.96** (0.47)	-0.48 (0.41)	-0.43 (0.41)	-0.34 (0.41)	-0.37 (0.41)
Constant	6.30*** (0.11)	54.65*** (0.62)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
<i>Post_t × (Duration, Budget, Bids)</i>	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	260,056	235,960	235,960	235,960	235,960
R ²	0.01	0.22	0.22	0.25	0.26
Adjusted R ²	0.01	0.22	0.22	0.25	0.25

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

14.2 Projects active on/before June 2010

- *CF* = 1 if project was receiving contract financing
- Sample restricted to projects that started on or before June 2010
- Jobs act was launched in Sept 2010

Table 13: Financial constraints and QuickPay reform

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
$Treat_i$	-3.07*** (0.17)	-1.52*** (0.15)	-1.59*** (0.14)	-1.01*** (0.15)	-1.08*** (0.15)
$Post_t$	1.43*** (0.28)	-19.81*** (2.41)			
CF_i	0.52 (0.38)	1.19*** (0.33)	1.00*** (0.32)	-1.35*** (0.35)	-1.48*** (0.35)
$Treat_i \times Post_t$	-0.05 (0.34)	2.64*** (0.45)	2.68*** (0.45)	2.74*** (0.47)	2.75*** (0.47)
$Post_t \times CF_i$	0.28 (0.68)	-1.15* (0.69)	-0.97 (0.68)	0.67 (0.71)	0.73 (0.71)
$Treat_i \times CF_i$	2.96*** (0.51)	1.41*** (0.44)	1.39*** (0.43)	1.08** (0.45)	1.07** (0.45)
$Treat_i \times Post_t \times CF_i$	0.79 (0.97)	-1.55 (0.98)	-1.50 (0.97)	-1.04 (1.00)	-1.12 (1.00)
Constant	6.74*** (0.14)	58.27*** (0.85)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
$Post_t \times$ (Duration, Budget, Bids)	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	75,119	64,292	64,292	64,292	64,292
R ²	0.01	0.23	0.23	0.27	0.28
Adjusted R ²	0.01	0.23	0.23	0.26	0.27

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

14.3 Firm level financial Constraints (on/before June 2010)

- $CF = 1$ if contractor was receiving financing on any project prior on or before June 2010
- Jobs act was launched in Sept 2010

Table 14: Financial constraints and QuickPay reform

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	-0.38*** (0.14)	-0.19 (0.13)	-0.24* (0.13)	-0.74*** (0.13)	-0.75*** (0.13)
<i>Post_t</i>	0.17 (0.14)	-8.13*** (0.85)			
<i>CF_i</i>	4.74*** (0.20)	3.57*** (0.15)	3.47*** (0.15)	1.07*** (0.16)	1.07*** (0.16)
<i>Treat_i × Post_t</i>	0.34* (0.18)	0.03 (0.17)	0.06 (0.17)	0.60*** (0.17)	0.70*** (0.17)
<i>Post_t × CF_i</i>	-1.17*** (0.24)	-1.83*** (0.20)	-1.74*** (0.20)	-1.09*** (0.20)	-1.04*** (0.20)
<i>Treat_i × CF_i</i>	-4.17*** (0.24)	-2.68*** (0.20)	-2.60*** (0.20)	-1.07*** (0.20)	-1.09*** (0.20)
<i>Treat_i × Post_t × CF_i</i>	1.62*** (0.30)	1.76*** (0.27)	1.71*** (0.27)	0.95*** (0.26)	0.90*** (0.26)
Constant	4.00*** (0.11)	51.77*** (0.63)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
<i>Post_t × (Duration, Budget, Bids)</i>	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	229,552	209,046	209,046	209,046	209,046
R ²	0.01	0.22	0.22	0.26	0.26
Adjusted R ²	0.01	0.22	0.22	0.25	0.26

Note:

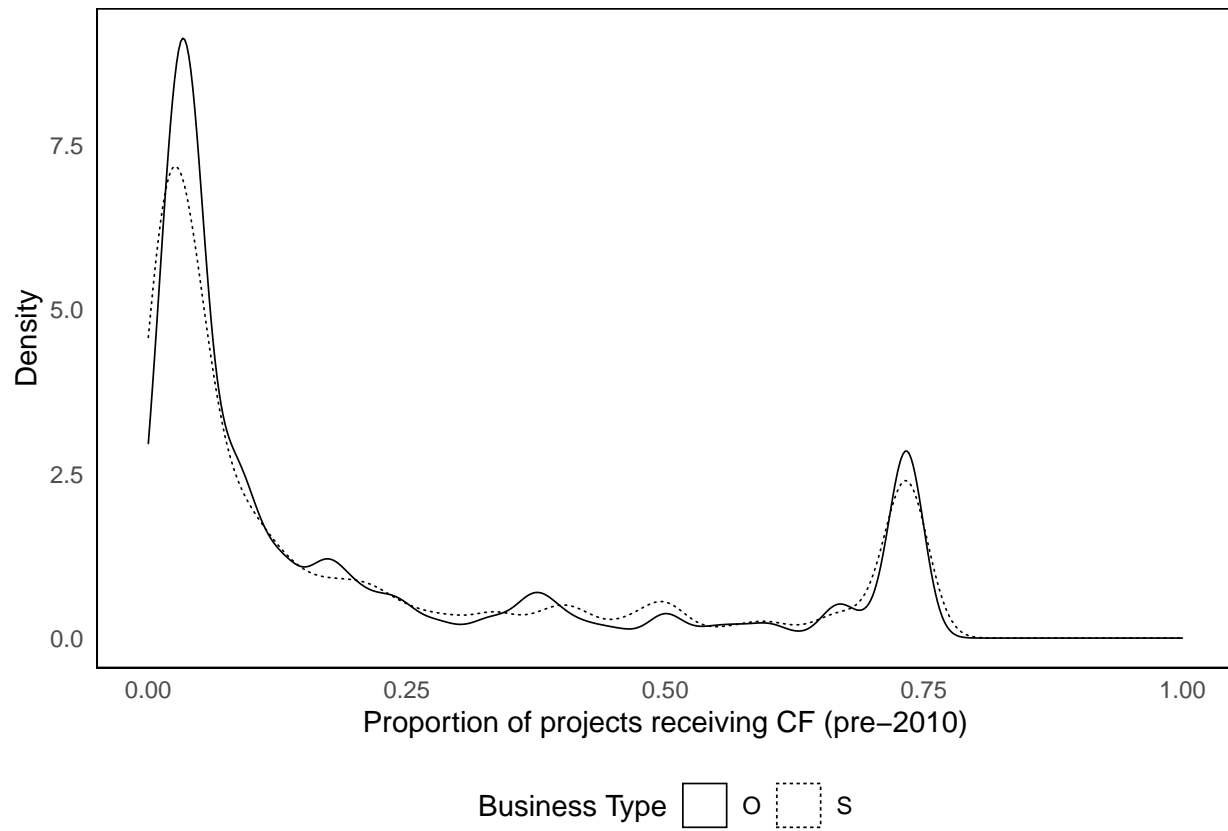
*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

14.4 Plots

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## Warning: Removed 255008 rows containing non-finite values (stat_density).
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15 Receives Grants/Financial Assistance

- $CF = 1$ if `receives_grants=='t'`
- The variable “receives_grants” used to be called “receives financial assistance”

15.1 All projects

Table 15: Financial constraints and QuickPay reform

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
$Treat_i$	-1.98*** (0.12)	-1.45*** (0.11)	-1.46*** (0.11)	-1.11*** (0.10)	-1.13*** (0.10)
$Post_t$	-0.04 (0.12)	-8.70*** (0.85)			
CF_i	12.86*** (0.74)	6.26*** (0.44)	6.16*** (0.44)	4.84*** (0.44)	4.86*** (0.44)
$Treat_i \times Post_t$	0.76*** (0.15)	0.79*** (0.14)	0.79*** (0.14)	0.92*** (0.14)	1.00*** (0.14)
$Post_t \times CF_i$	-8.21*** (0.79)	-4.36*** (0.55)	-4.28*** (0.55)	-3.99*** (0.55)	-3.85*** (0.55)
$Treat_i \times CF_i$	-9.13*** (0.90)	-2.65*** (0.63)	-2.55*** (0.63)	-2.64*** (0.64)	-2.69*** (0.64)
$Treat_i \times Post_t \times CF_i$	7.42*** (1.01)	3.37*** (0.81)	3.27*** (0.81)	3.50*** (0.81)	3.35*** (0.81)
Constant	5.70*** (0.10)	52.96*** (0.63)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
$Post_t \times$ (Duration, Budget, Bids)	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	229,552	209,046	209,046	209,046	209,046
R ²	0.01	0.22	0.22	0.26	0.26
Adjusted R ²	0.01	0.22	0.22	0.25	0.26

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

15.2 Projects active on/before June 2010

Table 16: Financial constraints and QuickPay reform

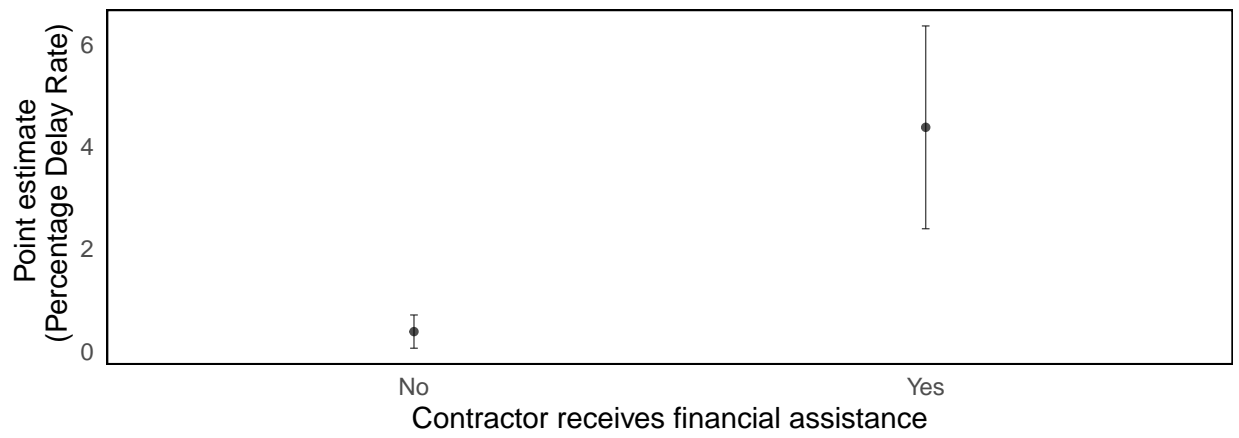
	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
$Treat_i$	-2.14*** (0.15)	-1.08*** (0.14)	-1.17*** (0.14)	-0.67*** (0.14)	-0.75*** (0.14)
$Post_t$	1.93*** (0.26)	-17.54*** (2.37)			
CF_i	13.75*** (1.00)	6.69*** (0.58)	6.18*** (0.58)	4.61*** (0.59)	4.67*** (0.59)
$Treat_i \times Post_t$	-0.30 (0.33)	1.93*** (0.41)	2.01*** (0.41)	2.14*** (0.42)	2.11*** (0.42)
$Post_t \times CF_i$	-9.62*** (1.30)	-7.54*** (1.30)	-6.96*** (1.29)	-5.34*** (1.30)	-5.29*** (1.30)
$Treat_i \times CF_i$	-10.12*** (1.18)	-2.92*** (0.81)	-2.53*** (0.80)	-2.86*** (0.80)	-2.95*** (0.80)
$Treat_i \times Post_t \times CF_i$	8.03*** (1.63)	5.29*** (1.84)	4.92*** (1.83)	5.05*** (1.85)	5.27*** (1.84)
Constant	6.03*** (0.13)	56.30*** (0.83)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
$Post_t \times$ (Duration, Budget, Bids)	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	74,942	64,129	64,129	64,129	64,129
R ²	0.02	0.23	0.23	0.27	0.28
Adjusted R ²	0.02	0.23	0.23	0.27	0.27

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.



Firm level financial constraints (on/before June 2010)

Table 17: Financial constraints and QuickPay reform

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	-1.43*** (0.12)	-1.14*** (0.11)	-1.15*** (0.11)	-0.82*** (0.11)	-0.84*** (0.11)
<i>Post_t</i>	-0.13 (0.12)	-8.94*** (0.85)			
<i>CF_i</i>	8.43*** (0.40)	4.12*** (0.25)	4.04*** (0.25)	3.30*** (0.25)	3.34*** (0.25)
<i>Treat_i × Post_t</i>	0.86*** (0.15)	0.78*** (0.14)	0.79*** (0.14)	0.89*** (0.14)	0.98*** (0.14)
<i>Post_t × CF_i</i>	-2.79*** (0.46)	-1.85*** (0.32)	-1.77*** (0.32)	-1.90*** (0.32)	-1.77*** (0.32)
<i>Treat_i × CF_i</i>	-6.93*** (0.51)	-2.88*** (0.38)	-2.82*** (0.38)	-2.47*** (0.37)	-2.45*** (0.37)
<i>Treat_i × Post_t × CF_i</i>	2.37*** (0.61)	1.20** (0.50)	1.14** (0.50)	1.30*** (0.49)	1.14** (0.49)
Constant	5.18*** (0.10)	52.53*** (0.63)			
Duration, Budget, Bids	No	Yes	Yes	Yes	Yes
<i>Post_t × (Duration, Budget, Bids)</i>	No	Yes	Yes	Yes	Yes
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	229,552	209,046	209,046	209,046	209,046
R ²	0.01	0.22	0.22	0.26	0.26
Adjusted R ²	0.01	0.22	0.22	0.25	0.26

Note:

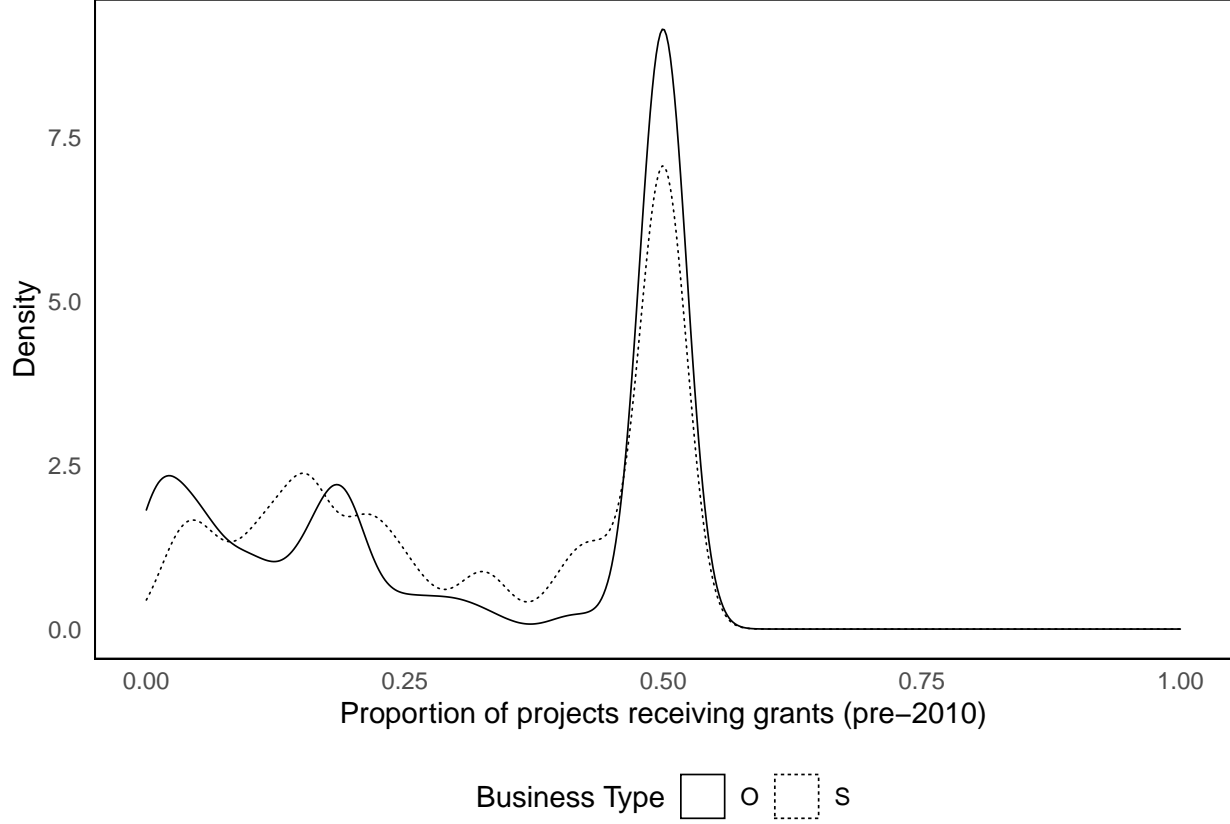
*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

15.3 Plots

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## Warning: Removed 394825 rows containing non-finite values (stat_density).
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16 Competition

16.1 Impact on bidding metrics

Table 18: Effect of Competition After QuickPay: Quickpay 2009-2011

	<i>NumberOfBids_{it}</i>	<i>InitialDuration_{it}</i>	<i>InitialBudget_{it}</i>
	(1)	(2)	(3)
$Treat_i$	0.88*** (0.09)	-7.27*** (0.72)	-15,055.20*** (1,586.13)
$Treat_i \times Post_t$	0.27** (0.12)	-3.38*** (1.00)	-29,491.30*** (2,296.49)
Task fixed effects	Yes	Yes	Yes
Time fixed effects	Yes	Yes	Yes
Observations	227,609	220,550	227,732
R ²	0.25	0.20	0.24
Adjusted R ²	0.24	0.19	0.24

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

Sample restricted to fully competed projects.

16.2 Impact on delays

Define

$$SA_i = \begin{cases} 1, & \text{if project was signed after QuickPay} \\ 0, & \text{otherwise} \end{cases}$$

$$SB_i = \begin{cases} 1, & \text{if project was signed before QuickPay} \\ 0, & \text{otherwise} \end{cases}$$

16.2.1 Subsample model

For a subsample of competitive or noncompetitive projects:

$$\begin{aligned} PercentDelay_{it} = & \beta_0 + \beta_1 Treat_i + \beta_2 SA_i + \beta_3 Post_t \\ & + \beta_4 (Treat_i \times Post_t \times SA_i) + \beta_5 (Treat_i \times Post_t \times SB_i) + e_{it} \end{aligned}$$

- According to our hypothesis, β_4 should be positive and significant for competitive projects, and insignificant for non-competitive projects.
- In the following regressions, we also control for the project's age. Project's age is defined as the number of quarters since it first showed up in the sample. We include the terciles of project's age as a control variable.

Table 19: Effect of QuickPay on competitively awarded projects

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	-3.26*** (0.13)	-2.81*** (0.13)	-2.80*** (0.13)	-1.48*** (0.13)	-1.49*** (0.13)
<i>SA_i</i>	-2.26*** (0.18)	1.10*** (0.17)	1.99*** (0.19)	2.26*** (0.18)	2.21*** (0.18)
<i>Post_t</i>	1.08*** (0.16)	-1.77*** (0.16)			
<i>Treat_i × SB_i × Post_t</i>	0.19 (0.20)	0.25 (0.19)	0.26 (0.19)	0.49*** (0.18)	0.51*** (0.18)
<i>Treat_i × SA_i × Post_t</i>	1.41*** (0.20)	1.08*** (0.19)	1.07*** (0.19)	1.25*** (0.18)	1.28*** (0.18)
Constant	6.78*** (0.12)	12.46*** (0.14)			
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	189,977	189,933	189,933	189,933	189,933
R ²	0.01	0.07	0.07	0.14	0.15
Adjusted R ²	0.01	0.07	0.07	0.14	0.15

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

Sample restricted to fully competed projects.

Table 20: Effect of QuickPay on non-competitively awarded projects

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
$Treat_i$	1.40*** (0.31)	1.16*** (0.30)	1.09*** (0.30)	-0.39 (0.32)	-0.22 (0.31)
SA_i	-0.73*** (0.23)	2.13*** (0.23)	3.55*** (0.28)	2.97*** (0.29)	2.98*** (0.29)
$Post_t$	-0.66*** (0.25)	-3.22*** (0.25)			
$Treat_i \times SB_i \times Post_t$	2.53*** (0.47)	2.25*** (0.45)	2.14*** (0.46)	1.77*** (0.45)	1.67*** (0.46)
$Treat_i \times SA_i \times Post_t$	0.51 (0.45)	0.56 (0.42)	0.50 (0.43)	0.11 (0.42)	0.09 (0.42)
Constant	4.91*** (0.20)	10.90*** (0.26)			
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	39,432	39,424	39,424	39,424	39,424
R ²	0.01	0.07	0.07	0.14	0.15
Adjusted R ²	0.01	0.07	0.07	0.12	0.13

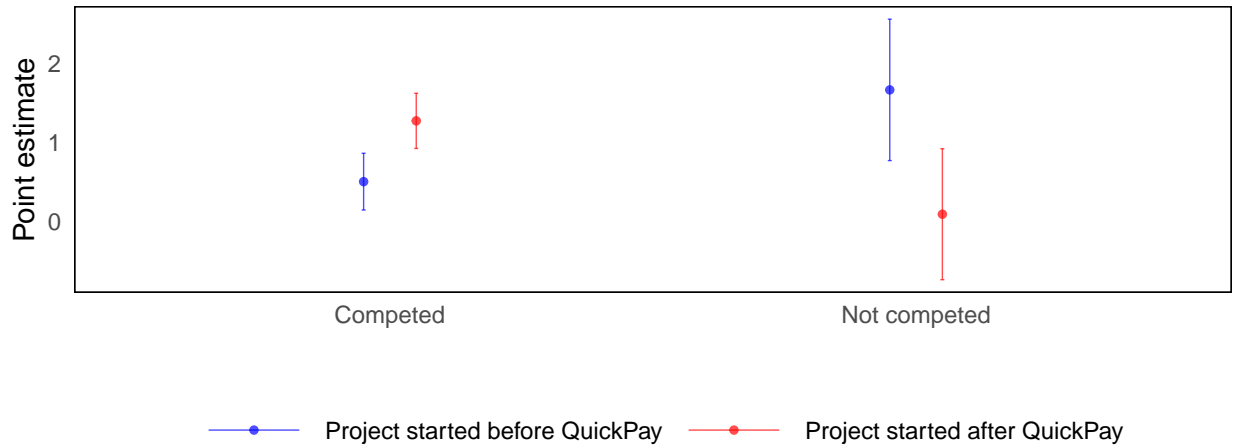
Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

Sample restricted to non-competed projects.



16.2.2 Subsample model II

Table 21: Effect of QuickPay on competitively awarded projects

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	-3.26*** (0.13)	-2.81*** (0.13)	-2.80*** (0.13)	-1.48*** (0.13)	-1.49*** (0.13)
<i>SA_i</i>	-2.26*** (0.18)	1.10*** (0.17)	1.99*** (0.19)	2.26*** (0.18)	2.21*** (0.18)
<i>Post_t</i>	1.08*** (0.16)	-1.77*** (0.16)			
<i>Treat_i × Post_t</i>	0.19 (0.20)	0.25 (0.19)	0.26 (0.19)	0.49*** (0.18)	0.51*** (0.18)
<i>Treat_i × Post_t × SA_i</i>	1.22*** (0.22)	0.83*** (0.20)	0.82*** (0.20)	0.76*** (0.20)	0.77*** (0.20)
Constant	6.78*** (0.12)	12.46*** (0.14)			
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	189,977	189,933	189,933	189,933	189,933
R ²	0.01	0.07	0.07	0.14	0.15
Adjusted R ²	0.01	0.07	0.07	0.14	0.15

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

Sample restricted to fully competed projects.

Table 22: Effect of QuickPay on non-competitively awarded projects

	<i>PercentDelay_{it}</i>				
	(1)	(2)	(3)	(4)	(5)
<i>Treat_i</i>	1.40*** (0.31)	1.16*** (0.30)	1.09*** (0.30)	-0.39 (0.32)	-0.22 (0.31)
<i>SA_i</i>	-0.73*** (0.23)	2.13*** (0.23)	3.55*** (0.28)	2.97*** (0.29)	2.98*** (0.29)
<i>Post_t</i>	-0.66*** (0.25)	-3.22*** (0.25)			
<i>Treat_i × Post_t</i>	2.53*** (0.47)	2.25*** (0.45)	2.14*** (0.46)	1.77*** (0.45)	1.67*** (0.46)
<i>Treat_i × Post_t × SA_i</i>	-2.01*** (0.49)	-1.70*** (0.46)	-1.64*** (0.46)	-1.66*** (0.46)	-1.58*** (0.46)
Constant	4.91*** (0.20)	10.90*** (0.26)			
Project stage	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	Yes
Observations	39,432	39,424	39,424	39,424	39,424
R ²	0.01	0.07	0.07	0.14	0.15
Adjusted R ²	0.01	0.07	0.07	0.12	0.13

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.

Sample restricted to non-competed projects.

16.2.3 Four-way interaction

We run the following model:

$$\begin{aligned}
PercentDelay_{it} = & \beta_0 + \beta_1 Treat_i + \beta_2 StartedAfterQP_i + \beta_3 Post_t + \beta_4 Competitive_i \\
& + \beta_5 (Treat_i \times Competitive_i) + \beta_6 (Post_t \times Competitive_i) \\
& + \beta_7 (StartedAfterQP_i \times Competitive_i) + \beta_8 (Treat_i \times Post_t) \\
& + \beta_9 (Treat_i \times Post_t \times Competitive_i) \\
& + \beta_{10} (Treat_i \times Post_t \times StartedAfterQP_i) \\
& + \beta_{11} (Treat_i \times Post_t \times StartedAfterQP_i \times Competitive_i) + e_{it}
\end{aligned}$$

Interpretation:

- β_9 is the difference between treatment effect for competitive and non-competitive projects signed before quickpay.
- $\beta_9 + \beta_{11}$ is the difference between treatment effect for competitive and non-competitive projects signed *after* quickpay.
- β_{11} is our coefficient of interest because it tells us how much of the difference is there due to “aggressive bidding” after the policy.

Table 23: Effect of Competition After QuickPay: Quickpay 2009-2011

	<i>PercentDelay_{it}</i>					
	(1)	(2)	(3)	(4)	(5)	(6)
<i>Treat_i</i>	1.40*** (0.31)	1.40*** (0.31)	1.16*** (0.30)	1.09*** (0.30)	-0.63** (0.30)	-0.73** (0.30)
<i>SA_i</i>	-0.73*** (0.23)	-0.73*** (0.23)	2.12*** (0.22)	3.11*** (0.23)	2.95*** (0.23)	2.91*** (0.23)
<i>Competitive_i</i>	1.87*** (0.23)	1.87*** (0.23)	1.60*** (0.21)	1.55*** (0.21)	-0.16 (0.22)	-0.07 (0.22)
<i>Post_t</i>	-0.66*** (0.25)	-0.66*** (0.25)	-3.21*** (0.24)			
<i>Treat_i × Competitive_i</i>	-4.65*** (0.34)	-4.65*** (0.34)	-3.97*** (0.32)	-3.89*** (0.32)	-0.89*** (0.32)	-0.80** (0.32)
<i>Post_t × Competitive_i</i>	1.74*** (0.30)	1.74*** (0.30)	1.43*** (0.29)	1.40*** (0.29)	0.28 (0.29)	0.20 (0.29)
<i>SA_i × Competitive_i</i>	-1.53*** (0.29)	-1.53*** (0.29)	-1.01*** (0.27)	-1.02*** (0.27)	-0.66** (0.27)	-0.66** (0.27)
<i>Treat_i × Post_t</i>	2.53*** (0.47)	2.53*** (0.47)	2.25*** (0.45)	2.21*** (0.45)	1.67*** (0.45)	1.66*** (0.45)
<i>Treat_i × Post_t × Competitive_i</i>	-2.33*** (0.51)	-2.33*** (0.51)	-2.01*** (0.49)	-1.95*** (0.49)	-1.16** (0.49)	-1.13** (0.49)
<i>Treat_i × Post_t × SA_i</i>	-2.01*** (0.49)	-2.01*** (0.49)	-1.70*** (0.46)	-1.69*** (0.46)	-1.37*** (0.45)	-1.37*** (0.45)
<i>Treat_i × Post_t × SA_i × Competitive_i</i>	3.23*** (0.53)	3.23*** (0.53)	2.53*** (0.50)	2.51*** (0.50)	2.12*** (0.49)	2.13*** (0.49)
Constant	4.91*** (0.20)	4.91*** (0.20)	10.87*** (0.20)			
Project stage	No	No	Yes	Yes	Yes	Yes
Time fixed effects	No	No	No	Yes	Yes	Yes
Task fixed effects	No	No	No	No	Yes	Yes
Industry fixed effects	No	No	No	No	No	Yes
Observations	229,409	229,409	229,357	229,357	229,357	229,357
R ²	0.01	0.01	0.07	0.07	0.14	0.14
Adjusted R ²	0.01	0.01	0.07	0.07	0.13	0.14

Note:

*p<0.1; **p<0.05; ***p<0.01

Each observation is a project-quarter.

SEs are robust and clustered at the project level.