

Project level delays

2023-11-27

Table 1: Full sample

Dependent Variables:	Delay days	Delay/Initial duration	I(Delay>0)	I(Delay<0)
Model:	(1)	(2)	(3)	(4)
	OLS	OLS	Logit	Logit
<i>Variables</i>				
Treat	-16.30*** (1.58)	-0.25*** (0.01)	-0.36*** (0.03)	0.26*** (0.09)
Post_t	6.00** (2.53)	-0.19*** (0.02)	0.30*** (0.05)	0.13 (0.12)
Treat \times Post_t	21.15*** (1.85)	0.23*** (0.01)	0.35*** (0.04)	-0.38*** (0.11)
Controls	Yes	Yes	Yes	Yes
<i>Fixed-effects</i>				
Start Year-Quarter	Yes	Yes	Yes	Yes
Task	Yes	Yes	Yes	Yes
NAICS	Yes	Yes	Yes	Yes
Sub-agency	Yes	Yes	Yes	Yes
<i>Fit statistics</i>				
Observations	327,429	322,646	323,712	299,617
Squared Correlation	0.27518	0.24356	0.30287	0.08129
Pseudo R ²	0.02658	0.11127	0.26564	0.16145
BIC	3,880,621.7	741,054.3	290,167.1	62,897.4

Clustered (Project ID) standard-errors in parentheses

Signif. Codes: ***: 0.01, **: 0.05, *: 0.1

Table 2: Clean control group

Dependent Variables: Model:	Delay days (1) OLS	Delay/Initial duration (2) OLS	I(Delay>0) (3) Logit	I(Delay<0) (4) Logit
<i>Variables</i>				
Treat	-14.59*** (2.03)	-0.18*** (0.02)	-0.29*** (0.03)	0.20* (0.11)
Post_t	3.36 (3.07)	-0.19*** (0.02)	0.26*** (0.06)	0.15 (0.14)
Treat \times Post_t	22.15*** (2.30)	0.20*** (0.02)	0.33*** (0.05)	-0.30** (0.13)
Controls	Yes	Yes	Yes	Yes
<i>Fixed-effects</i>				
Start Year-Quarter	Yes	Yes	Yes	Yes
Task	Yes	Yes	Yes	Yes
NAICS	Yes	Yes	Yes	Yes
Sub-agency	Yes	Yes	Yes	Yes
<i>Fit statistics</i>				
Observations	278,558	275,449	274,666	253,088
Squared Correlation	0.27553	0.19601	0.29948	0.08208
Pseudo R ²	0.02670	0.09253	0.26435	0.16006
BIC	3,293,971.7	610,250.6	245,734.8	54,108.4

Clustered (Project ID) standard-errors in parentheses

*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*

Table 3: Action type = M or N/A

Dependent Variable:	Delay days	
Model:	All (1)	Clean control (2)
<i>Variables</i>		
Treat	-15.01*** (0.84)	-7.58*** (1.02)
Post_t	-0.46 (1.44)	2.74* (1.61)
Treat \times Post_t	12.70*** (1.02)	5.93*** (1.20)
Controls	Yes	Yes
<i>Fixed-effects</i>		
Start Year-Quarter	Yes	Yes
Task	Yes	Yes
NAICS	Yes	Yes
Sub-agency	Yes	Yes
<i>Fit statistics</i>		
Observations	228,580	190,149
R ²	0.17123	0.09943
Within R ²	0.01618	0.01158

Clustered (Project ID) standard-errors in parentheses
*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*

Table 4: No set aside used

Dependent Variable: Model:	Delay days	
	All (1)	Clean control (2)
<i>Variables</i>		
Treat	-19.29*** (1.66)	-20.19*** (2.17)
Post_t	8.35*** (2.76)	5.57* (3.38)
Treat \times Post_t	25.53*** (1.92)	26.81*** (2.34)
Controls	Yes	Yes
<i>Fixed-effects</i>		
Start Year-Quarter	Yes	Yes
Task	Yes	Yes
NAICS	Yes	Yes
Sub-agency	Yes	Yes
<i>Fit statistics</i>		
Observations	240,728	192,017
R ²	0.29151	0.29515
Within R ²	0.02857	0.03109

Clustered (Project ID) standard-errors in parentheses
*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*

Table 5: Projects that started before QuickPay

Dependent Variable: Model:	Delay days	
	All (1)	Clean control (2)
<i>Variables</i>		
Treat	-10.44*** (1.58)	-7.40*** (2.11)
Post_t	-22.14*** (3.42)	-25.34*** (4.30)
Treat \times Post_t	20.44*** (3.30)	20.75*** (4.04)
Controls	Yes	Yes
<i>Fixed-effects</i>		
Start Year-Quarter	Yes	Yes
Task	Yes	Yes
NAICS	Yes	Yes
Sub-agency	Yes	Yes
<i>Fit statistics</i>		
Observations	191,856	163,326
R ²	0.31037	0.31276
Within R ²	0.03825	0.04140

Clustered (Project ID) standard-errors in parentheses
*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*

Table 6: Projects that had a positive delay only

Dependent Variable: Model:	Delay days	
	All (1)	Clean control (2)
<i>Variables</i>		
Treat	-9.04** (3.61)	-4.84 (4.20)
Post_t	-6.17 (4.91)	-7.53 (5.91)
Treat \times Post_t	19.53*** (4.45)	19.69*** (5.18)
Controls	Yes	Yes
<i>Fixed-effects</i>		
Start Year-Quarter	Yes	Yes
Task	Yes	Yes
NAICS	Yes	Yes
Sub-agency	Yes	Yes
<i>Fit statistics</i>		
Observations	87,635	73,073
R ²	0.29586	0.30553
Within R ²	0.01214	0.01283

Clustered (Project ID) standard-errors in parentheses
*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*

Table 7: Matching

Dependent Variable:	Delay days	
Model:	CEM (1)	PSM with 0.2 caliper (2)
<i>Variables</i>		
Treat	2.38 (1.85)	-8.67*** (2.20)
Post_t	13.79*** (3.12)	10.29*** (3.69)
Treat \times Post_t	4.66** (2.23)	7.21*** (2.74)
Controls	Yes	Yes
<i>Fixed-effects</i>		
Start Year-Quarter	Yes	Yes
Task	Yes	Yes
NAICS	Yes	Yes
Sub-agency	Yes	Yes
<i>Fit statistics</i>		
Observations	176,620	57,862
R ²	0.26824	0.25982
Within R ²	0.03406	0.02296

Clustered (Project ID) standard-errors in parentheses
*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*