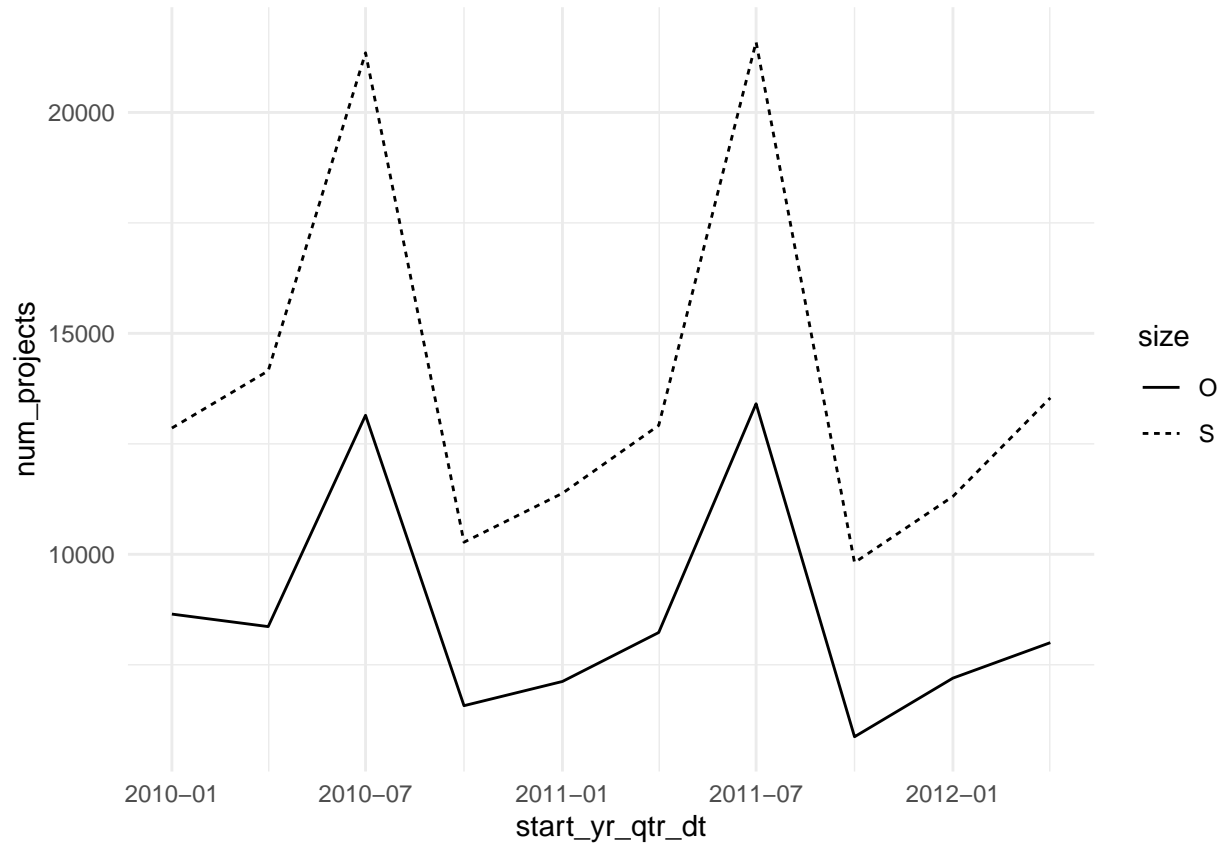
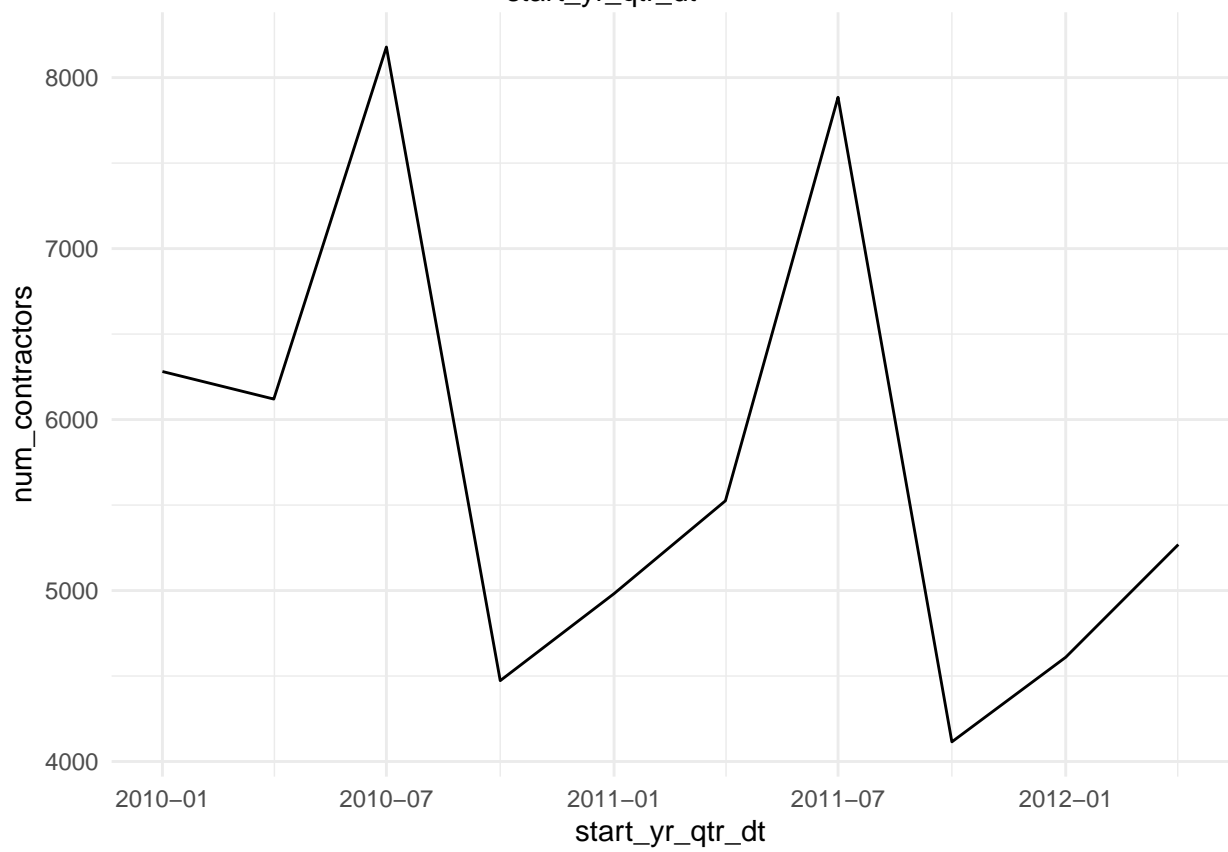
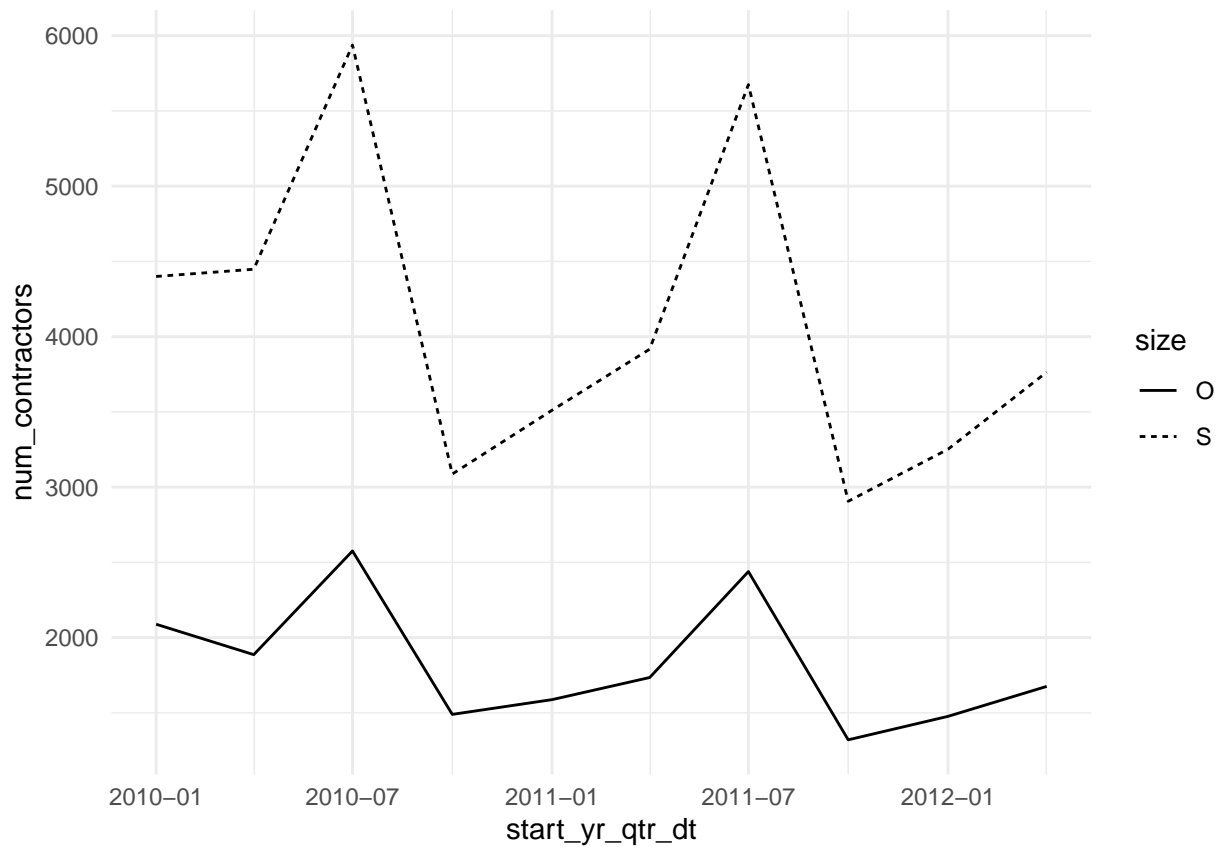


# Project level delays

2023-11-29





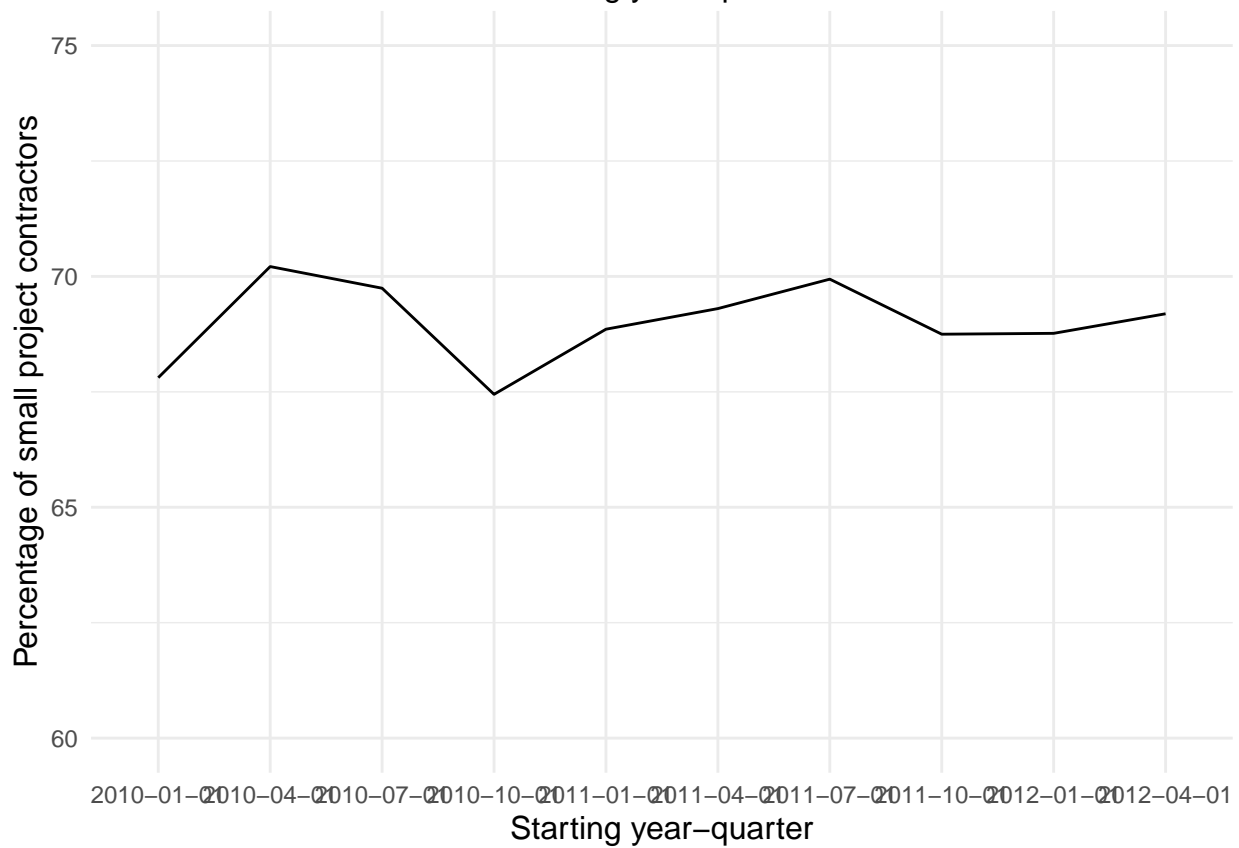
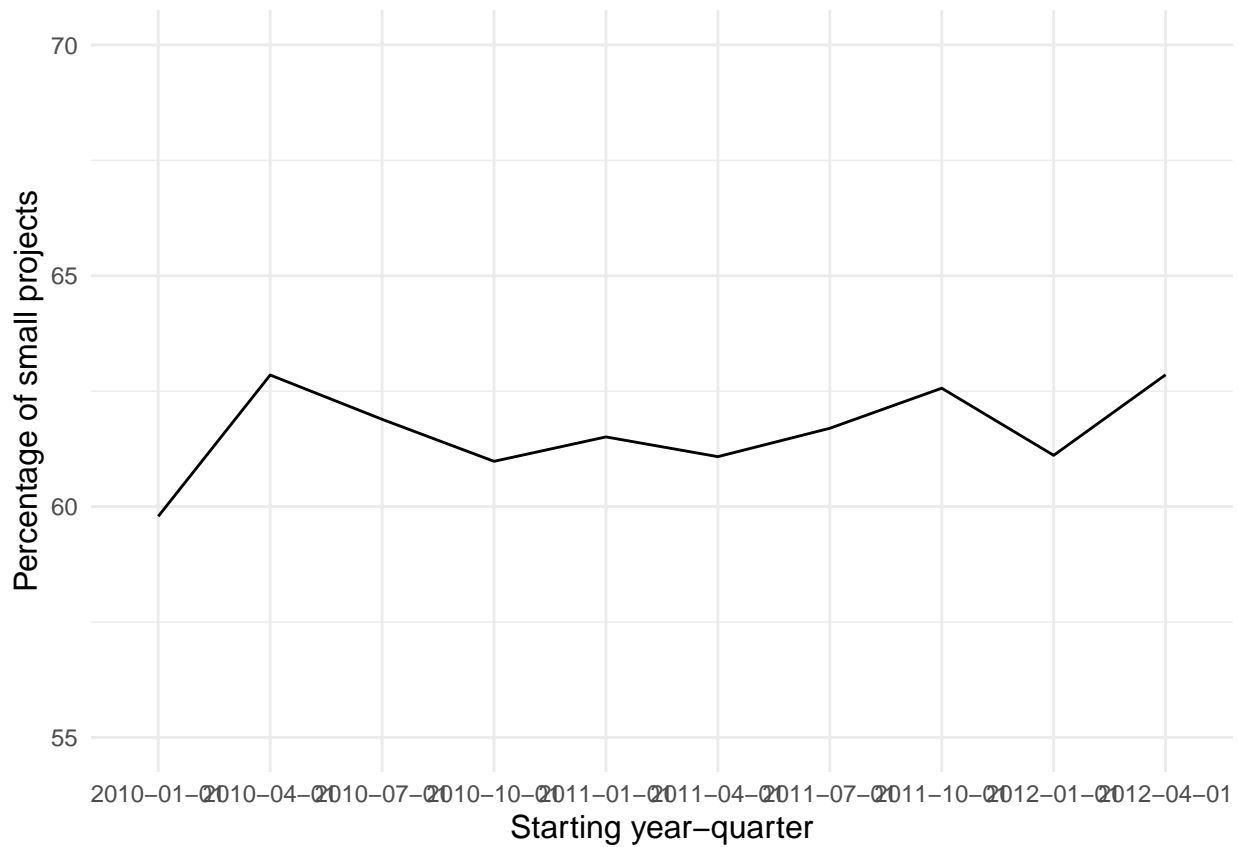


Table 1: Full sample

| Dependent Variables:<br>Model: | Delay days<br>(1)<br>OLS | Delay/Initial duration<br>(2)<br>OLS | I(Delay>0)<br>(3)<br>Logit | I(Delay<0)<br>(4)<br>Logit |
|--------------------------------|--------------------------|--------------------------------------|----------------------------|----------------------------|
| <i>Variables</i>               |                          |                                      |                            |                            |
| Treat                          | -8.83***<br>(1.03)       | -2.16***<br>(0.26)                   | -0.38***<br>(0.03)         | 0.14<br>(0.10)             |
| Post                           | 9.72*<br>(5.17)          | -1.40**<br>(0.59)                    | 0.46***<br>(0.15)          | 0.27<br>(0.19)             |
| Treat $\times$ Post            | 8.67***<br>(0.96)        | 1.54***<br>(0.30)                    | 0.23***<br>(0.04)          | -0.24**<br>(0.12)          |
| 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                   | 229,081                  | 224,338                              | 226,059                    | 209,905                    |
| Squared Correlation            | 0.14024                  | 0.19161                              | 0.17044                    | 0.05128                    |
| Pseudo R <sup>2</sup>          | 0.01361                  | 0.03201                              | 0.20140                    | 0.15201                    |
| BIC                            | 2,530,299.3              | 1,464,360.5                          | 137,594.8                  | 29,230.1                   |

*Clustered (Start Year-Quarter) standard-errors in parentheses*

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

Table 2: Clean control group

| Dependent Variables:<br>Model: | Delay days<br>(1)<br>OLS | Delay/Initial duration<br>(2)<br>OLS | I(Delay>0)<br>(3)<br>Logit | I(Delay<0)<br>(4)<br>Logit |
|--------------------------------|--------------------------|--------------------------------------|----------------------------|----------------------------|
| <i>Variables</i>               |                          |                                      |                            |                            |
| Treat                          | -7.28***<br>(1.43)       | -0.73***<br>(0.22)                   | -0.27***<br>(0.03)         | 0.01<br>(0.16)             |
| Post                           | 9.90*<br>(5.28)          | -0.74**<br>(0.35)                    | 0.49***<br>(0.15)          | 0.17<br>(0.24)             |
| Treat $\times$ Post            | 7.81***<br>(1.49)        | 0.60**<br>(0.22)                     | 0.17***<br>(0.05)          | -0.09<br>(0.19)            |
| 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                   | 195,138                  | 192,054                              | 191,971                    | 177,316                    |
| Squared Correlation            | 0.13588                  | 0.05823                              | 0.16090                    | 0.05129                    |
| Pseudo R <sup>2</sup>          | 0.01324                  | 0.01052                              | 0.19518                    | 0.15150                    |
| BIC                            | 2,144,079.8              | 1,103,808.9                          | 115,771.3                  | 25,252.5                   |

*Clustered (Start Year-Quarter) standard-errors in parentheses*

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

Table 3: Action type = M or N/A

| Dependent Variable:   | Delay days         |                    |
|-----------------------|--------------------|--------------------|
|                       | All                | Clean control      |
| Model:                | (1)                | (2)                |
| <i>Variables</i>      |                    |                    |
| Treat                 | -8.73***<br>(0.99) | -7.20***<br>(1.38) |
| Post                  | 9.66*<br>(5.20)    | 9.82*<br>(5.30)    |
| Treat $\times$ Post   | 8.39***<br>(0.92)  | 7.56***<br>(1.44)  |
| 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          | 225,298            | 191,680            |
| R <sup>2</sup>        | 0.13967            | 0.13546            |
| Within R <sup>2</sup> | 0.01986            | 0.02163            |

*Clustered (Start Year-Quarter) standard-errors in parentheses*  
*Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1*

Table 4: No set aside used

| Dependent Variable:   | Delay days         |                    |
|-----------------------|--------------------|--------------------|
|                       | All                | Clean control      |
| Model:                | (1)                | (2)                |
| <i>Variables</i>      |                    |                    |
| Treat                 | -8.85***<br>(1.50) | -8.61***<br>(1.82) |
| Post                  | 9.50*<br>(4.69)    | 9.30*<br>(4.78)    |
| Treat $\times$ Post   | 9.81***<br>(1.36)  | 9.00***<br>(1.87)  |
| 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          | 169,716            | 135,825            |
| R <sup>2</sup>        | 0.15349            | 0.14790            |
| Within R <sup>2</sup> | 0.01793            | 0.02012            |

*Clustered (Start Year-Quarter) standard-errors in parentheses*  
*Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1*

Table 5: Projects that started before QuickPay

| Dependent Variable:   | Delay days         |                    |
|-----------------------|--------------------|--------------------|
|                       | All                | Clean control      |
| Model:                | (1)                | (2)                |
| <i>Variables</i>      |                    |                    |
| Treat                 | -6.34***<br>(0.42) | -4.37***<br>(0.86) |
| Post                  | -1.92<br>(3.90)    | -1.49<br>(4.47)    |
| Treat $\times$ Post   | 7.31***<br>(0.98)  | 5.53***<br>(1.51)  |
| 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          | 124,681            | 106,233            |
| R <sup>2</sup>        | 0.17970            | 0.17644            |
| Within R <sup>2</sup> | 0.02801            | 0.03050            |

*Clustered (Start Year-Quarter) standard-errors in parentheses*  
*Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1*



Table 6: Projects that had a positive delay only

| Dependent Variable:   | Delay days          |                    |
|-----------------------|---------------------|--------------------|
|                       | All                 | Clean control      |
| Model:                | (1)                 | (2)                |
| <i>Variables</i>      |                     |                    |
| Treat                 | -16.31***<br>(2.48) | -10.54**<br>(4.28) |
| Post                  | 2.21<br>(14.45)     | 1.06<br>(15.89)    |
| Treat $\times$ Post   | 23.71***<br>(2.87)  | 21.73***<br>(5.07) |
| 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          | 24,917              | 20,300             |
| R <sup>2</sup>        | 0.25326             | 0.26326            |
| Within R <sup>2</sup> | 0.02019             | 0.02124            |

*Clustered (Start Year-Quarter) standard-errors in parentheses*  
*Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1*

Table 7: Matching

| Dependent Variable:   | CEM                | Delay days                  |
|-----------------------|--------------------|-----------------------------|
| Model:                | (1)                | PSM with 0.2 caliper<br>(2) |
| <i>Variables</i>      |                    |                             |
| Treat                 | -1.57***<br>(0.23) | -2.64***<br>(0.32)          |
| Post                  | 3.61**<br>(1.35)   | 4.71**<br>(1.99)            |
| Treat $\times$ Post   | 1.10**<br>(0.44)   | 1.83***<br>(0.34)           |
| 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          | 124,817            | 39,786                      |
| R <sup>2</sup>        | 0.15075            | 0.15916                     |
| Within R <sup>2</sup> | 0.01716            | 0.01394                     |

*Clustered (Start Year-Quarter) standard-errors in parentheses*  
*Signif. Codes: \*\*\*: 0.01, \*\*: 0.05, \*: 0.1*