

# Econ H191 Tables

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## **1 Tables 1**

## **2 Main tables (updated layouts)**

Table 1: Average Post-Reform Effects on  $\ln(LP)$  by Port and Terminal

<b>Panel A: Haifa (competition clock)</b>				
	<i>SIPG (entrant)</i>		<i>Legacy terminal</i>	
	(1) Baseline	(2) +PortTr	(3) Baseline	(4) +PortTr
All post $m \in [1, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied $\% \Delta LP$ , $[1, 24]$	$\Delta\%$	$\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Post year 1, $m \in [1, 12]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied $\% \Delta LP$ , $[1, 12]$	$\Delta\%$	$\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Post year 2, $m \in [13, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied $\% \Delta LP$ , $[13, 24]$	$\Delta\%$	$\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Average pre, $m \in [-4, -2]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Pre-trends: $p$ (Leads F-test)	$p$	$p$	$p$	$p$
Observations	$N$	$N$	$N$	$N$
Within $R^2$	$R^2$	$R^2$	$R^2$	$R^2$

  

<b>Panel B: Ashdod (competition clock)</b>				
	<i>HCT (entrant)</i>		<i>Legacy terminal</i>	
	(5) Baseline	(6) +PortTr	(7) Baseline	(8) +PortTr
All post $m \in [1, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied $\% \Delta LP$ , $[1, 24]$	$\Delta\%$	$\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Post year 1, $m \in [1, 12]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied $\% \Delta LP$ , $[1, 12]$	$\Delta\%$	$\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Post year 2, $m \in [13, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied $\% \Delta LP$ , $[13, 24]$	$\Delta\%$	$\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Average pre, $m \in [-4, -2]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Pre-trends: $p$ (Leads F-test)	$p$	$p$	$p$	$p$
Observations	$N$	$N$	$N$	$N$
Within $R^2$	$R^2$	$R^2$	$R^2$	$R^2$

Notes: Outcome is  $\ln(LP)$  at the terminal  $\times$  month level. All specifications include terminal and month fixed effects. Columns labeled “+PortTr” additionally include port-specific linear time trends. The event-time design omits the month immediately preceding each reform ( $m = -1$ ) and uses not-yet-treated (NYT) observations as controls under the relevant competition clock. Each window-average row (“Post year 1,  $m \in [1, 12]$ ”, “Post year 2,  $m \in [13, 24]$ ”, “All post,  $m \in [1, 24]$ ”) reports an equal-weight mean of the horizon-specific event-time effects  $\beta_m$  over the stated range of  $m$ . “All post” therefore summarizes the average impact over the first two post-reform years. “Average pre,  $m \in [-4, -2]$ ” summarizes the lead coefficients. “Implied  $\% \Delta LP$ ” converts coefficients via  $100 \cdot (e^\beta - 1)$ . “Pre-trends:  $p$ (Leads F-test)” reports the  $p$ -value of a joint test that all leads  $m \leq -2$  are zero. Standard errors (in parentheses) should be clustered by port (two clusters); significance stars to be added based on wild-bootstrap  $p$ -values: \* $p < 0.10$ , \*\* $p < 0.05$ , \*\*\* $p < 0.01$ . “Within  $R^2$ ” is the within-variation  $R^2$  from the fixed-effects regression.

Table 2: Haifa Privatization — Dynamic and Window-Average Effects

<b>Panel A: Haifa – Legacy (privatization clock)</b>		
	(1) Baseline	(2) +PortTr
All post $m \in [1, 24]$	$\beta$ (SE)	$\beta$ (SE)
Implied $\% \Delta$ LP, $[1, 24]$	$\pm \Delta\%$	$\pm \Delta\%$
Post year 1, $m \in [1, 12]$	$\beta$ (SE)	$\beta$ (SE)
Implied $\% \Delta$ LP, $[1, 12]$	$\pm \Delta\%$	$\pm \Delta\%$
Post year 2, $m \in [13, 24]$	$\beta$ (SE)	$\beta$ (SE)
Implied $\% \Delta$ LP, $[13, 24]$	$\pm \Delta\%$	$\pm \Delta\%$
Average pre, $m \in [-4, -2]$	$\beta$ (SE)	$\beta$ (SE)
Pre-trends: $p$ (Leads F-test)	$p$	$p$
<i>Selected event months <math>m</math> (relative to privatization, <math>m = 0</math>)</i>		
$m = 0$ (privatization month)	$\beta$ (SE)	$\beta$ (SE)
$m = 1$	$\beta$ (SE)	$\beta$ (SE)
$m = 3$	$\beta$ (SE)	$\beta$ (SE)
$m = 6$	$\beta$ (SE)	$\beta$ (SE)
$m = 12$	$\beta$ (SE)	$\beta$ (SE)
$m = 24$	$\beta$ (SE)	$\beta$ (SE)
Observations	$N$	$N$
Within $R^2$	$R^2$	$R^2$
<b>Panel B: Haifa Bayport (SIPG) – Placebo under privatization clock</b>		
	(3) Baseline	(4) +PortTr
All post $m \in [1, 24]$	$\beta$ (SE)	$\beta$ (SE)
Implied $\% \Delta$ LP, $[1, 24]$	$\pm \Delta\%$	$\pm \Delta\%$
Post year 1, $m \in [1, 12]$	$\beta$ (SE)	$\beta$ (SE)
Implied $\% \Delta$ LP, $[1, 12]$	$\pm \Delta\%$	$\pm \Delta\%$
Post year 2, $m \in [13, 24]$	$\beta$ (SE)	$\beta$ (SE)
Implied $\% \Delta$ LP, $[13, 24]$	$\pm \Delta\%$	$\pm \Delta\%$
Average pre, $m \in [-4, -2]$	$\beta$ (SE)	$\beta$ (SE)
Pre-trends: $p$ (Leads F-test)	$p$	$p$
<i>Selected event months <math>m</math> (placebo privatization clock)</i>		
$m = 0$	$\beta$ (SE)	$\beta$ (SE)
$m = 1$	$\beta$ (SE)	$\beta$ (SE)
$m = 3$	$\beta$ (SE)	$\beta$ (SE)
$m = 6$	$\beta$ (SE)	$\beta$ (SE)
$m = 12$	$\beta$ (SE)	$\beta$ (SE)
$m = 24$	$\beta$ (SE)	$\beta$ (SE)
Observations	$N$	$N$
Within $R^2$	$R^2$	$R^2$

Notes: Event time  $m$  is defined relative to the privatization of the Haifa–Legacy terminal (January 2023,  $m = 0$ ). All regressions include terminal and month fixed effects and use not-yet-treated (NYT) observations under the privatization clock as controls; the month  $m = -1$  is omitted. Columns labeled “+PortTr” additionally include port-specific linear trends. Window-average rows (“Post year 1,  $m \in [1, 12]$ ”, “Post year 2,  $m \in [13, 24]$ ”, “All post,  $m \in [1, 24]$ ”) report equal-weight means of the event-time effects  $\beta_m$  over the indicated ranges; the “All post” row summarizes the average effect over the first two post-privatization years. “Implied  $\% \Delta$  LP” converts coefficients via  $100 \cdot (e^\beta - 1)$ . “Average pre,  $m \in [-4, -2]$ ” summarizes the lead coefficients, and “Pre-trends:  $p$ (Leads F-test)” gives the  $p$ -value for a joint test that all leads are zero. Panel A reports the privatization effect for Haifa–Legacy; Panel B applies the same clock as a placebo to Haifa Bayport (SIPG), which is never privatized. Standard errors (in parentheses) should be clustered by port; significance stars to be added based on wild-bootstrap  $p$ -values. “Within  $R^2$ ” is the within-variation  $R^2$  from the fixed-effects regression.

Table 3: Robustness: First- and Second-Year, and All-Post Effects on  $\ln(LP)$ 

	(1) Base	(2) +PortTr	(3) +Tr&Shocks	(4) Balanced	(5) Excl. 20–21	(6) Excl. 23–24
Entrant all post, $m \in [1, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (entrant, [1, 24])	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$
Entrant post yr 1, $m \in [1, 12]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (entrant, [1, 12])	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$
Entrant post yr 2, $m \in [13, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (entrant, [13, 24])	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$
Legacy all post, $m \in [1, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (legacy, [1, 24])	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Legacy post yr 1, $m \in [1, 12]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (legacy, [1, 12])	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Legacy post yr 2, $m \in [13, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (legacy, [13, 24])	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Observations	$N$	$N$	$N$	$N$	$N$	$N$
Within $R^2$	$R^2$	$R^2$	$R^2$	$R^2$	$R^2$	$R^2$
Panel B: Ashdod	(1) Base	(2) +PortTr	(3) +Tr&Shocks	(4) Balanced	(5) Excl. 20–21	(6) Excl. 23–24
Entrant all post, $m \in [1, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (entrant, [1, 24])	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$
Entrant post yr 1, $m \in [1, 12]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (entrant, [1, 12])	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$
Entrant post yr 2, $m \in [13, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (entrant, [13, 24])	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$
Legacy all post, $m \in [1, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (legacy, [1, 24])	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Legacy post yr 1, $m \in [1, 12]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (legacy, [1, 12])	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Legacy post yr 2, $m \in [13, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (legacy, [13, 24])	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Observations	$N$	$N$	$N$	$N$	$N$	$N$
Within $R^2$	$R^2$	$R^2$	$R^2$	$R^2$	$R^2$	$R^2$
Panel C: Pooled Entrant vs Pooled Legacy	(1) Base	(2) +PortTr	(3) +Tr&Shocks	(4) Balanced	(5) Excl. 20–21	(6) Excl. 23–24
Entrant all post, $m \in [1, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (entrant, [1, 24])	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$
Entrant post yr 1, $m \in [1, 12]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (entrant, [1, 12])	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$
Entrant post yr 2, $m \in [13, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (entrant, [13, 24])	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$
Legacy all post, $m \in [1, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (legacy, [1, 24])	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Legacy post yr 1, $m \in [1, 12]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (legacy, [1, 12])	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Legacy post yr 2, $m \in [13, 24]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP (legacy, [13, 24])	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Observations	$N$	$N$	$N$	$N$	$N$	$N$
Within $R^2$	$R^2$	$R^2$	$R^2$	$R^2$	$R^2$	$R^2$

Notes: Outcome is  $\ln(LP)$  at the terminal  $\times$  month level. All specifications include terminal and month fixed effects and use not-yet-terminal (NYT) observations as controls, omitting the month immediately prior to each reform ( $m = -1$ ). “Base” and “+PortTr” correspond to the baseline and trend-augmented specifications in Table 4. “+Tr&Shocks” additionally includes port-specific linear trends and includes windows for major shocks (COVID-19 in 2020–2021 and late-2023/24 congestion/war disruptions). “Balanced” restricts the sample to months in which both entrant and legacy terminals are observed within a port. “Excl. 20–21” and “Excl. 23–24” drop the COVID and late-2023 windows, respectively. Each “post yr 1” row reports the equal-weight mean of the event-time effects  $\beta_m$  for  $m = 1, \dots, 12$ ; each “post yr 2” row analogously averages  $m = 13, \dots, 24$ ; each “all post” row averages  $m = 1, \dots, 24$  and thus summarizes the overall two-year impact of the reform. “Implied %  $\Delta$  LP” converts coefficients via  $100 \cdot (e^\beta - 1)$ . Standard errors (in parentheses) should be clustered by port; significance levels are double-headed and available in the `supp` package. “Within  $R^2$ ” is the within-pooling  $R^2$  from the first effect equation in each panel.

Below, the older versions of these tables:

### 3 Tables 2

Table 4: Average Post-Reform Effect on  $\ln(LP)$  by Port and Terminal

	Panel A: Haifa			Legacy		
	SIPG (entrant)					
	(1) Baseline	(2) +PortTr	(3) +Tr&Shocks	(4) Baseline	(5) +PortTr	(6) +Tr&Shocks
Average post $k \in [1, 4]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Pre-trends (p, leads F)	p	p	p	p	p	p
p (CR2)	p	p	p	p	p	p
p (wild-cluster)	p	p	p	p	p	p
Terminal FE	Yes	Yes	Yes	Yes	Yes	Yes
Quarter FE	Yes	Yes	Yes	Yes	Yes	Yes
Port trends	No	Yes	Yes	No	Yes	Yes
Shock windows	No	No	Yes	No	No	Yes
Observations	N	N	N	N	N	N
Inference clusters	Ports (N=2)	Ports (N=2)	Ports (N=2)	Ports (N=2)	Ports (N=2)	Ports (N=2)
Comparison set	NYT	NYT	NYT	NYT	NYT	NYT
Share post $L=\text{proxy}^\dagger$	s%	s%	s%	s%	s%	s%

  

	Panel B: Ashdod			Legacy		
	HCT (entrant)					
	(7) Baseline	(8) +PortTr	(9) +Tr&Shocks	(10) Baseline	(11) +PortTr	(12) +Tr&Shocks
Average post $k \in [1, 4]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Pre-trends (p, leads F)	p	p	p	p	p	p
p (CR2)	p	p	p	p	p	p
p (wild-cluster)	p	p	p	p	p	p
Terminal FE	Yes	Yes	Yes	Yes	Yes	Yes
Quarter FE	Yes	Yes	Yes	Yes	Yes	Yes
Port trends	No	Yes	Yes	No	Yes	Yes
Shock windows	No	No	Yes	No	No	Yes
Observations	N	N	N	N	N	N
Inference clusters	Ports (N=2)	Ports (N=2)	Ports (N=2)	Ports (N=2)	Ports (N=2)	Ports (N=2)
Comparison set	NYT	NYT	NYT	NYT	NYT	NYT
Share post $L=\text{proxy}^\dagger$	s%	s%	s%	s%	s%	s%

Notes: Not-yet-treated (NYT) design; omitted bin  $k = -1$  (donut). Stars should follow wild-cluster  $p$  when populated. “Implied %  $\Delta$  LP” converts coefficients via  $100 \cdot (e^\beta - 1)$ . +PortTr = port-specific linear trends; +Tr&Shocks additionally includes COVID (2020–21) and late-2023/24 windows. SEs clustered by port (two clusters).  $^\dagger$ Share of post-window quarters relying on  $L$  proxy (0 once direct  $L$  is used).

Table 5: Haifa Privatization — Average Post and Mini Dynamics

<b>Panel A: Haifa Legacy — Privatization Clock</b>			
	(1) Baseline	(2) +PortTr	(3) +Tr&Shocks
Average post $k \in [1, 4]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Pre-trends (p, leads F)	p	p	p
p (CR2)	p	p	p
p (wild-cluster)	p	p	p
Obs; Clusters	N; Ports=2	N; Ports=2	N; Ports=2
Comparison set	NYT	NYT	NYT
Share post $L=\text{proxy}^\dagger$	s%	s%	s%
<i>Mini dynamics (selected <math>k</math>)</i>			
$k = 0$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
$k = 1$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
$k = 2$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
$k = 3$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
$k = 4$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Leads F-test (p)	p	p	p
<b>Panel B: Haifa SIPG — Placebo under Privatization Clock</b>			
	(4) Baseline	(5) +PortTr	(6) +Tr&Shocks
Average post $k \in [1, 4]$	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Pre-trends (p, leads F)	p	p	p
p (wild-cluster)	p	p	p
Mini dynamics ( $k = 0 \dots 4$ )	as above	as above	as above

Notes: Clock at Haifa privatization milestone; Panel B is a placebo on SIPG to show confinement of the privatization effect to Legacy. Other conventions as in Table 4.

Table 6: Event-Time Estimates by Spec — Haifa

<i>k</i>	SIPG (entrant)			Legacy		
	(1) Baseline	(2) +PortTr	(3) +Tr&Shocks	(4) Baseline	(5) +PortTr	(6) +Tr&Shocks
(−4 … −2) avg	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
0	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
1	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
2	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
3	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
4	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Leads F-test (p)	p	p	p	p	p	p

Notes: Omitted bin  $k = -1$ . “(−4 … −2) avg” is the mean of lead coefficients. Terminal and quarter FE in all columns; trends/shocks as indicated. Full  $k$ -grid with  $N(k)$  appears in Appendix A.1.

Table 7: Event-Time Estimates by Spec — Ashdod

<i>k</i>	<i>HCT (entrant)</i>			<i>Legacy</i>		
	(1) Baseline	(2) +PortTr	(3) +Tr&Shocks	(4) Baseline	(5) +PortTr	(6) +Tr&Shocks
(−4 . . . −2) avg	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
0	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
1	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
2	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
3	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
4	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Leads F-test (p)	p	p	p	p	p	p

Notes: Same specification as Table 6. Full  $k$ -grid with  $N(k)$  appears in Appendix A.2.

Table 8: Robustness: Average Post-Reform Effect on  $\ln(LP)$ 

	(1) Base	(2) +PortTr	(3) +Tr&Shocks	(4) Balanced	(5) Excl. 20–21	(6) Excl. 23–24
Entrant avg post	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$
Avg post (TEU-weighted)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
p (wild-cluster)	p	p	p	p	p	p
Legacy avg post	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Avg post (TEU-weighted)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
p (wild-cluster)	p	p	p	p	p	p
Obs; Clusters	N; Ports=2	N; Ports=2	N; Ports=2	N; Ports=2	N; Ports=2	N; Ports=2
Comparison set	NYT	NYT	NYT	NYT	NYT	NYT
Share post $L$ =proxy <sup>†</sup>	s%	s%	s%	s%	s%	s%
Panel B: Ashdod	(1) Base	(2) +PortTr	(3) +Tr&Shocks	(4) Balanced	(5) Excl. 20–21	(6) Excl. 23–24
Entrant avg post	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$
Avg post (TEU-weighted)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
p (wild-cluster)	p	p	p	p	p	p
Legacy avg post	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Avg post (TEU-weighted)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
p (wild-cluster)	p	p	p	p	p	p
Obs; Clusters	N; Ports=2	N; Ports=2	N; Ports=2	N; Ports=2	N; Ports=2	N; Ports=2
Comparison set	NYT	NYT	NYT	NYT	NYT	NYT
Share post $L$ =proxy <sup>†</sup>	s%	s%	s%	s%	s%	s%
Panel C: Pooled Entrant vs Legacy	(1) Base	(2) +PortTr	(3) +Tr&Shocks	(4) Balanced	(5) Excl. 20–21	(6) Excl. 23–24
Entrant avg post	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$	$\Delta\%$
Avg post (TEU-weighted)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
p (wild-cluster)	p	p	p	p	p	p
Legacy avg post	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
Implied % $\Delta$ LP	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$	$\pm\Delta\%$
Avg post (TEU-weighted)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)
p (wild-cluster)	p	p	p	p	p	p
Obs; Clusters	N; Ports=2	N; Ports=2	N; Ports=2	N; Ports=2	N; Ports=2	N; Ports=2
Comparison set	NYT	NYT	NYT	NYT	NYT	NYT
Share post $L$ =proxy <sup>†</sup>	s%	s%	s%	s%	s%	s%

Notes: Balanced panel = terminal-quarters observed for both terminals within the port. “Excl. 20–21” removes COVID peak; “Excl. 23–24” removes late-2023/24 window. Stars should follow wild-cluster  $p$ . Mediation placeholders populate once the K/L pass is run. NYT indicates not-yet-treated controls. <sup>†</sup>Share of post-window quarters relying on  $L$  proxy.

Table 9: Full Event-Time Estimates — Haifa

<i>m</i>	<i>SIPG (entrant)</i>			<i>Legacy</i>			<i>N(m)</i>
	(1) Baseline	(2) +PortTr	(3) +Tr&Shocks	(4) Baseline	(5) +PortTr	(6) +Tr&Shocks	
-4	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
-3	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
-2	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
0	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
1	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
2	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
3	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
4	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
5	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
6	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
7	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
8	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
9	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
10	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
11	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
12	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
13	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
14	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
15	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
16	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
17	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
18	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
19	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
20	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
21	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
22	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
23	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n
24	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n

Notes: Event time  $m$  is measured in months relative to the relevant competition-entry reform ( $m = 0$ ). The month  $m = -1$  is omitted as the reference bin. All specifications include terminal and month fixed effects; “+PortTr” adds port-specific linear trends; “+Tr&Shocks” additionally includes COVID (2020–21) and late-2023/24 shock windows.  $\beta_m$  are event-time coefficients with standard errors in parentheses.  $N(m)$  reports the number of terminal×month observations supporting each event-month  $m$  under the baseline NYT specification.

## A.2. Full Event-Time Estimates — Ashdod

Table 10: Full Event-Time Estimates — Ashdod

m	HCT (entrant)			Legacy				$N(m)$
	(1) Baseline	(2) +PortTr	(3) +Tr&Shocks	(4) Baseline	(5) +PortTr	(6) +Tr&Shocks		
-4	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
-3	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
-2	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
0	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
1	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
2	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
3	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
4	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
5	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
6	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
7	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
8	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
9	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
10	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
11	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
12	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
13	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
14	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
15	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
16	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
17	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
18	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
19	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
20	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
21	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
22	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
23	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	
24	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	$\beta$ (SE)	n	

Notes: Event time  $m$  is measured in months relative to the relevant competition-entry reform ( $m = 0$ ). The month  $m = -1$  is omitted as the reference bin. All specifications include terminal and month fixed effects; “+PortTr” adds port-specific linear trends; “+Tr&Shocks” additionally includes COVID (2020–21) and late-2023/24 shock windows.  $\beta_m$  are event-time coefficients with standard errors in parentheses.  $N(m)$  reports the number of terminal×month observations supporting each event-month  $m$  under the baseline NYT specification.

## Appendix B. Pre-Trend and Placebo Diagnostics (S1)

Table 11: Pre-Trend and Placebo Diagnostics

Port	Terminal	Spec	#Leads	$p(\text{Leads F})$	$p(\text{Placebo clock})$	Notes
Haifa	SIPG (entrant)	Baseline	L	p	p	
Haifa	SIPG (entrant)	+PortTr	L	p	p	
Haifa	SIPG (entrant)	+Tr&Shocks	L	p	p	
Haifa	Legacy	Baseline	L	p	p	
Haifa	Legacy	+PortTr	L	p	p	
Haifa	Legacy	+Tr&Shocks	L	p	p	
Ashdod	HCT (entrant)	Baseline	L	p	p	
Ashdod	HCT (entrant)	+PortTr	L	p	p	
Ashdod	HCT (entrant)	+Tr&Shocks	L	p	p	
Ashdod	Legacy	Baseline	L	p	p	
Ashdod	Legacy	+PortTr	L	p	p	
Ashdod	Legacy	+Tr&Shocks	L	p	p	

Notes: “#Leads” is the count of pre-event lead bins included. Placebo clock (e.g., event date shifted by  $-4$  quarters) tests for timing confounds.