

SUPPLEMENTARY MATERIAL

Supplementary Table 1. Effects of the 2012 legislative amendments on benefit access, insurer decision time and disability duration, uncontrolled for other Australian jurisdictions.

	Interrupted Time Series Analyses			
	Median level change (99% CI)		Median trend change (99% CI)	
Median monthly claims per 100,000 workers	-55.0*	(-68.2 to -41.8)	-0.9	(-1.8 to 0.0)
Median monthly time loss claims per 100,000 workers	-38.5*	(-40.0 to -36.7)	-1.0* [^]	(-1.2 to -0.9)
Median monthly medical-only claims per 100,000 workers	-16.0*	(-21.1 to -10.9)	0.0	(-0.3 to 0.3)
Median insurer decision time in days	0.4	(0.0 to 0.8)	0.0*	(0.0 to 0.1)
75 th percentile insurer decision time in days	2.3	(0.7 to 5.2)	0.5*	(0.3 to 0.8)
Median disability duration in weeks	0.1*	(0.0 to 0.3)	0.0	(0.0 to 0.0)
75 th percentile disability duration in weeks	0.1 [^]	(-0.3 to 0.6)	0.1*	(0.0 to 0.1)

*p<0.01; [^]inconsistent results between controlled and uncontrolled analyses; CI = confidence interval.

Supplementary Table 2. Effects of the 2012 legislative amendments on benefit access, insurer decision time and disability duration by injury/disease type.

	Median level change (99% CI)		Median trend change (99% CI)	
Median monthly claims per 100,000 workers				
Occupational Disease				
New South Wales	-11.8*	(-15.5 to -8.1)	-0.3*	(-0.5 to -0.1)
Comparator Jurisdictions	1.1	(-1.5 to 3.8)	-0.1	(-0.3 to 0.1)
Mental Health Conditions				
New South Wales	-3.0*	(-3.5 to -2.5)	0.0	(-0.1 to 0.0)
Comparator Jurisdictions	0.2	(-0.2 to 0.5)	0.0	(0.0 to 0.0)
All Other Injury				
New South Wales	-31.9*	(-43.8 to -20.0)	0.0	(-0.9 to 0.8)
Comparator Jurisdictions	-10.0*	(-18.4 to -1.7)	-0.4	(-1.0 to 0.1)
Median (IQR) insurer decision time in days				
Occupational Disease				
New South Wales	1.8	(-0.1 to 3.6)	0.2*	(0.1 to 0.3)
Comparator Jurisdictions	-0.7	(-2.0 to 0.6)	-0.1	(-0.1 to 0.0)
Mental Health Conditions				
New South Wales	25.0*	(20.5 to 29.4)	1.2*	(1.0 to 1.4)
Comparator Jurisdictions	-0.9	(-4.0 to 2.3)	0.0	(-0.2 to 0.1)
All Other Injury				
New South Wales	0.5*	(0.1 to 0.9)	0.1*	(0.0 to 0.1)
Comparator Jurisdictions	-0.6*	(-0.9 to -0.3)	-0.03*	(-0.04 to -0.02)
Median (IQR) disability duration in weeks				
Occupational Disease				
New South Wales	0.6	(-0.3 to 1.4)	0.0	(-0.1 to 0.1)
Comparator Jurisdictions	-0.8*	(-1.4 to -0.1)	0.0	(0.0 to 0.1)
Mental Health Conditions				
New South Wales	4.0*	(2.6 to 5.4)	0.3*	(0.2 to 0.3)
Comparator Jurisdictions	-2.6*	(-3.6 to -1.6)	-0.1*	(-0.2 to 0.1)
All Other Injury				
New South Wales	0.3*	(0.1 to 0.5)	0.02*	(0.01 to 0.04)
Comparator Jurisdictions	-0.2	(-0.3 to 0.0)	0.0	(0.0 to 0.0)

*p<0.01; CI = confidence interval.

Supplementary Figure 1. Median monthly claim incidence, insurer decision time and disability duration for workers with occupational diseases, mental health conditions and other injury in New South Wales (blue) and Comparator Jurisdictions (grey), June 2010 to July 2014. Dotted blue lines = counterfactual.

