### Treatment effects

Instituto Tecnológico Autónomo de México March 8, 2017

## 1 Some Summary Statistics

### Conciliation (Convenio) in the day of treatment

The main variable is convenio, a dummy variable indicating whether the parts conciled or not.

Table 1: Convenio by Calculadora Actora

	Calculadora Actora				
Convenio	No	Yes	Total		
No concilio	1,405	1,338	2,743		
Concilio	153	218	371		
Total	1,558	$1,\!556$	3,114		

Table 2: T-Test: Convenio by Calculadora Actora

	0	1
0	0	
1	-0.042***	0

Table 3: Convenio by Calculadora Demandado

	Calcul	adora	Demandado
Convenio	No	Yes	Total
No concilio	2,037	706	2,743
Concilio	174	197	371
Total	2,211	903	3,114

Table 4: T-Test: Convenio by Calculadora Demandada

	0	1
0	0	
1	-0.139***	0

### Conciliation by "take up survey" ==1

Table 5: Convenio by Calculadora Actora

	Calc	uladora	Actora
Convenio	No	Yes	Total
No concilio	70	938	1,008
Concilio	12	144	156
Total	82	1,082	1,164

Table 6: T-Test: Convenio by Calculadora Actora

	0	1
0	0	
1	0.013	0

Table 7: Convenio by Calculadora Demandado

	Calc	ulador	a Demandado
Convenio	No	Yes	Total
No concilio	45	463	508
Concilio	5	122	127
Total	50	585	635

Table 8: T-Test: Convenio by Calculadora Demandada

	0	1
0	0	
1	-0.109*	0

### Conciliation by "take up survey"==0

Table 9: Convenio by Calculadora Actora

	Calcul	adora	Actora
Convenio	No	Yes	Total
No concilio	1,335	400	1,735
Concilio	141	74	215
Total	1,476	474	1,950

Table 10: T-Test: Convenio by Calculadora Actora

	0	1
0	0	
1	-0.061***	0

Table 11: Convenio by Calculadora Demandado

	Calcul	adora	Demandado
Convenio	No	Yes	Total
No concilio	1,992	243	2,235
Concilio	169	75	244
Total	2,161	318	2,479

Table 12: T-Test: Convenio by Calculadora Demandada

	0	1
0	0	
1	-0.158***	0

### Conciliation in the day of treatment with "takes survey"

Table 13: Convenio by Survey Plaintiff

	Surve	ey Plai	$\overline{ ext{ntiff}}$
Convenio	No	Yes	Total
No concilio	1,735	1,008	2,743
Concilio	215	156	371
Total	1,950	1,164	3,114

Table 14: T-Test: Convenio by Calculadora Actora

	0	1
0	0	
1	-0.024**	0

Table 15: Convenio by Survey Defendant

-	Survey	Def	endant
Convenio	No	Yes	Total
No concilio	2,235	508	2,743
Concilio	244	127	371
Total	2,479	635	3,114

Table 16: T-Test: Convenio by Calculadora Demandada

	0	1
0	0	
1	-0.102***	0

# Instrumenting treatment with intent to treat

...as treatment is endogenous with operation day.

Table 17: IV (Second Stage). Plaintiff

					Plaintiff		
	(1)	(2)	(3)	(4)	(5)	(9)	(7)
TTI	0.0377***	0.0324*** (0.0123)					
Calculator (instrumented with ITT)			0.0554***	0.0509***	0.0673**	0.0532**	0.0357***
			(0.0176)	(0.0178)	(0.0324)	(0.0266)	(0.0124)
Court 7		0.0255		0.0259	0.0116	0.0357	0.00728
		(0.0168)		(0.0166)	(0.0343)	(0.0292)	(0.0124)
Court 9		0.00685		0.0110	-0.00680	0.0133	0.00457
		(0.0159)		(0.0157)	(0.0333)	(0.0285)	(0.0116)
Court 11		0.142***		0.133***	0.178***	0.108***	0.130
		(0.0196)		(0.0191)	(0.0359)	(0.0271)	(0.0923)
Court 16		-0.00772		-0.0186	-0.0282	-0.0362	-0.00154
		(0.0166)		(0.0164)	(0.0325)	(0.0276)	(0.0117)
Notified				0.127***	0	0.0935***	0
				(0.0123)	$\odot$	(0.0183)	$\odot$
Constant	0.0924***	0.0594***	0.0914***	0.00727	0.123***	0.0470	0.000249
	(0.00961)	(0.0149)	(0.00987)	(0.0147)	(0.0300)	(0.0291)	(0.0102)
Observations	3114	3114	3114	3114	1285	1991	1123
R-squared	0.00281	0.0339	0.00374	0.0718	0.0457	0.0271	0.0187
Conditioning on:					Notification	Partial Not	No Not

Table 18: IV (Second Stage). Defendant

	(3)	(4)	(2)	(9)	(7)
Calculator (instrumented with ITT)	0.0973*** 0	.0875***	0.0766**	0.0677**	0.220***
	(0.0307)	(0.0306)	(0.0369)	(0.0338)	(0.0767)
		0.0245	0.0108	0.0356	0.0100
		(0.0163)	(0.0340)	(0.0290)	(0.0127)
		0.00891	-0.00639	0.0119	0.00619
		(0.0154)	(0.0331)	(0.0282)	(0.0126)
		0.127***	0.173***	0.109***	0.133
		(0.0189)	(0.0357)	(0.0270)	(0.0855)
		-0.0203	-0.0321	-0.0378	0.00867
		(0.0161)	(0.0319)	(0.0272)	(0.0131)
		0.105***	0	0.0843***	0
		(0.0149)	$\odot$	(0.0188)	$\odot$
	0.0909***	0.0189	0.125***	0.0535*	-0.00627
	(0.0100)	(0.0123)	(0.0291)	(0.0274)	(0.0120)
	3114	3114	1285	1991	1123
	0.0347	0.0863	0.0500	0.0384	
			Notification	Partial Not	No Not

### First stage

Table 19: IV (First stage). Plaintiff

			Plaintiff		
	(3)	(4)	(5)	(6)	(7)
ITT	0.681***	0.679***	0.722***	0.704***	0.638***
	(0.0107)	(0.0112)	(0.0168)	(0.0136)	(0.0198)
Court 7		0.00758	0.0223	0.0274	-0.0175
		(0.0227)	(0.0344)	(0.0300)	(0.0345)
Court 9		-0.0317	-0.00906	-0.0400	-0.0262
		(0.0232)	(0.0360)	(0.0319)	(0.0338)
Court 11		-0.00328	0.0138	-0.00163	-0.0478
		(0.0225)	(0.0329)	(0.0278)	(0.101)
Court 16		-0.0261	-0.0106	-0.0255	-0.0280
		(0.0230)	(0.0334)	(0.0301)	(0.0359)
Notified		0.0512***	0	0.0500***	Ô
		(0.0141)	(.)	(0.0193)	(.)
Constant	0.0176***	0.00775	0.0150	-0.0108	0.0405
	(0.00436)	(0.0178)	(0.0246)	(0.0272)	(0.0255)
Observations	3114	3114	1285	1991	1123
R-squared	0.383	0.387	0.448	0.405	0.353
Conditioning on:			Notification	Partial Not	No Not

Table 20: IV (First Stage). Defendant

			Defendant		
ITT	(3) 0.388***	(4) 0.395***	(5) 0.635***	(6) 0.554***	(7) 0.104***
	(0.0112)	(0.0119)	(0.0179)	(0.0148)	(0.0138)
Court 7	,	0.0201	0.0306	0.0231	-0.0153
		(0.0228)	(0.0385)	(0.0340)	(0.0252)
Court 9		0.00543	-0.0132	-0.00962	-0.0116
		(0.0227)	(0.0397)	(0.0349)	(0.0246)
Court 11		0.0660***	0.0701*	-0.0209	-0.0241
		(0.0229)	(0.0358)	(0.0307)	(0.0697)
Court 16		0.00389	0.0410	0.00432	-0.0510**
		(0.0226)	(0.0361)	(0.0327)	(0.0230)
Notified		0.286***	0	0.175***	0
		(0.0147)	(.)	(0.0208)	(.)
Constant	0.0154***	-0.128***	-0.0150	-0.104***	0.0363**
	(0.00409)	(0.0179)	(0.0271)	(0.0305)	(0.0182)
Observations	3114	3114	1285	1991	1123
R-squared	0.151	0.252	0.343	0.277	0.0350
Conditioning on:			Notification	Partial Not	No Not

### Does calculator works even without survey?

Table 21: IV

		Plaintiff	Defendant
	Reduced form	IV	IV
Calculator		0.0590***	0.102***
(instrumented with ITT, No survey)		(0.0188)	(0.0328)
ITT	0.0425***	,	,
	(0.0146)		
No survey	-0.0102		
	(0.0250)		
ITT##No survey	-0.00680		
	(0.0314)		
Constant	0.0902***	0.0872***	0.0872***
	(0.0115)	(0.0105)	(0.0107)
Observations	2551	2551	2551
R-squared	0.00380	0.00468	0.0376

# Instrumenting calculator & takes survey with dia tratamiento & dummy digits?

Table 22: IV (Second stage)

	Plair	ntiff	Defen	ıdant
	(1)	(2)	(1)	(2)
Calculator (instrumented with ITT & No survey)	-0.00171 (0.0614)	-0.0309 (0.0614)	-0.00453 (0.0948)	-0.0489 (0.0980)
Takes survey	0.0859	0.110	0.160	0.190
(instrumented with ITT & No survey)	(0.0830)	(0.0828)	(0.134)	(0.135)
Court 7	,	0.0173	, ,	0.0118
		(0.0185)		(0.0189)
Court 9		0.00508		0.00259
		(0.0173)		(0.0172)
Court 11		0.125***		0.129***
		(0.0222)		(0.0263)
Court 16		-0.0248		-0.0282
		(0.0180)		(0.0178)
Notified		0.130***		0.104***
	0.00=0***	(0.0138)	0.00004444	(0.0166)
Constant	0.0876***	0.0122	0.0883***	0.0262**
	(0.0106)	(0.0158)	(0.0108)	(0.0133)
Observations R-squared	2551	$2551 \\ 0.0573$	2551 0.00940	$2551 \\ 0.0492$

Table 23: IV (First stage)

		Pla	intiff			Defer	ndant	
	(1	1)	(1	2)	(	1)	(	2)
	Calculator	Survey	Calculator	Survey	Calculator	Survey	Calculator	Survey
ITT	0.690***	0.493***	0.690***	0.493***	0.391***	0.268***	0.393***	0.275***
	(0.0119)	(0.0123)	(0.0124)	(0.0129)	(0.0126)	(0.0105)	(0.0133)	(0.0112)
Dummy digit	0.0164	-0.174***	0.0155	-0.173***	0.0337	-0.0924***	0.0256	-0.0965***
	(0.0188)	(0.0198)	(0.0187)	(0.0198)	(0.0208)	(0.0163)	(0.0191)	(0.0157)
Court 7	, ,	,	0.0131	0.0225	, ,	,	0.0174	0.0446*
			(0.0248)	(0.0269)			(0.0247)	(0.0229)
Court 9			-0.00301	0.0132			0.0117	0.0243
			(0.0244)	(0.0258)			(0.0239)	(0.0216)
Court 11			0.00217	-0.0712***			0.0926***	-0.0393*
			(0.0246)	(0.0262)			(0.0248)	(0.0217)
Court 16			-0.00224	-0.0179			0.00440	0.00903
			(0.0243)	(0.0265)			(0.0242)	(0.0223)
Notified			0.0442***	0.0101			0.296***	0.212***
			(0.0154)	(0.0167)			(0.0161)	(0.0151)
Constant	0.0176***	0.0416***	-0.00264	0.0481**	0.0116*	0.0180***	-0.138***	-0.0811***
	(0.00641)	(0.00542)	(0.0190)	(0.0200)	(0.00637)	(0.00331)	(0.0190)	(0.0167)
Observations	2551	2551	2551	2551	2551	2551	2551	2551
R-squared	0.402	0.245	0.404	0.250	0.157	0.108	0.268	0.184